

REFERENCES CITED

- Abduln, A.A., and Kayupov, A.K. eds., 1978, Metallogeny off Kazakhstan, *in Ore Formations, Lead and Zinc Deposits*: Nauka, Alma-Ata, 266 p. (in Russian).
- Abramovich, G.Ja., Mitrofanov, G.L., Polyakov, G.V., and Khrenov, P.M., eds., 1988, Map of magmatic formations of the south part of Eastern Siberia and Northern Mongolia: U.S.S.R. Ministry of Geology, Moscow, 5 sheets, scale 1:1,500,000, (in Russian).
- Ageev, N.A., and Korchagin, U.A., 1975, Structural conditions of tungsten mineralization in the Bom-Gorkhonsky deposit (Western Transbaikalia), *in Mineralogy and Geochemistry of Tungsten Deposits*: Leningrad: University, p. 21-26 (in Russian).
- Ajipa, V.P., and others, 1957, Results of 1:200,000 scale geological mapping and general prospecting: Geologic Information Center in Mongolia, Ulaanbaatar, Open-File Report 699 (in Russian).
- Akhmetov, R.N., 1983, Investigation into the structure and polymetamorphism of the ore-bearing series of the Imalyk group of iron ore deposits (BAM zone): Summary of Candidate of Science Thesis, Kiev State University, Kiev, 16 p. (in Russian).
- Alabin, L.V., 1983, Structural-formational and metallogenic zonalities of the Kuznetsk Alatau region: Nauka, Novosibirsk, 112 p (in Russian).
- Alabin, L.V., and Kalinin, Yu.A., 2000, Gold metallogeny of Kuznetsk Alatau: Publishing House, United Institute of Geology, Geophysics, and Mineralogy, Siberian Branch, Russian Academy of Sciences, Novosibirsk, 237 p. (in Russian).
- Alekseev, Yu.A., 1984, Commodities of the Murun complex of potassic alkaline rocks and carbonates: Soviet Geology, no. 5, p. 46-51 (in Russian).
- Alaev L.P., and others, 1985, Results of exploration work carried out in northern border part of Mongolia in 1973-1985: Geologic Information Center, MRAM, Mongolia Open-File Report 4041 (in Russian).
- Alexandrov, A.L., In'shin, E.D., and Yablonovsky, B.V., 1978, On the relationship of gold mineralization with post-folded granitoids, *in Geology, Prospecting and Exploration of Ore Deposits*: Irkutsk Polytechnical Institute, p. 93-98 (in Russian).
- Aminev, V.B., 1969, On the age of gold mineralization in Lena region, *in Problems of Pribaikalian and Transbaikalian Geology*: Transbaikalian Geographic Society, Chita, v. 6, part 2, p. 25-29 (in Russian).
- Amory J. V., and others. 1994, Permian sedimentation and tectonics of Southern Mongolia: Implication for a time-transgressive collision with North China [abs]: Geological Society of America Abstract with Programs, v. 26, p.242.
- Amshinsky, N.N., and Sotnikov, V.I., eds., 1976, Sora copper-molybdenum deposit: Nedra, Moscow, 159 p. (in Russian).
- Amuzinsky, V.A., 1975, Low-sulfide gold-quartz formation of the Verkhoyansk meganticlinorium, *in Gold Ore Formations and Geochemistry of Gold from the Verkhoyansk-Chukotka Fold Area*: Nauka, Moscow, p. 121-153 (in Russian).
- Amuzinskiy, V.A., Borshchevskiy, Yu.A., Fedchuk, V.Ya, and Medvedovskaya, N.I., 1989, Isotope-geochemical characteristics of endogenous carbonates at the Badran deposit, *in Geology and Mineral Deposits of the Central Part of the Main Metallogenic Belt in the northeast U.S.S.R.*: Yakutian Department, Siberian Branch of Academy of Sciences of U.S.S.R., Yakutsk, p. 91-103 (in Russian).
- Amuzinsky, V.A., Moskvitin, S.G., and Pavlova, L.A., 1992, Solid solution of limiting mercury concentration in native gold, *in Rare Native Metals and Intermetallides of Primary and Placer Deposits of Yakutia*: Yakutian Institute of Geology, Siberian Branch, Russian Academy of Sciences, p. 50-64 (in Russian).
- Andreas, R., and others, 1970, Results of 1:100,000 scale geological mapping in Bayanhongor province: Geologic Information Center, Mongolia Open File Report 1895 (in Russian).
- Andreev, G.V., 1965, Petrology of Synnyrsky alkaline pluton: Buryatian Publisher, Ulan-Ude, 117 p. (in Russian).
- Andreev, G.V., and Ushakov, A.A., 1995, Deposits of synnyrites in the Synnyr massif, *in Laverov, N.P., ed., Deposits of Transbaikalia*: GeoInformMark, Chita-Moscow, v. 1, book 1, p. 53-56 (in Russian).
- Andreev, V.V., and Kurceraite, Sh.D., 1977, Iron-quartzites of Siberia and Far East, *in Iron-Quartzite Formation of Siberian and Far East*: United Institute of Geology and Geophysics, Siberian Branch, U.S.S.R. Academy of Sciences, Novosibirsk, p. 58-63 (in Russian).
- Andreeva, E.D., Yashina, R.M., Garam, D., Chuluunbat, D., and Khorchin, I., 1990, Nephelinitic rocks of the northern Mongolia, *in Evolution of Geological Processes and Metallogenesis of Mongolia*: Nauka, Moscow, p. 151-165 (in Russian).
- Andrianov, N.G., Naumov, G.G., and Osipov, V.N., 1984, Geology and endogenous mineralization of the Khoron deposit, *in Geology and Mineralogy of Ore Clusters of the Yana-Kolyma Fold System*, Yakutsk: Yakutian Institute of Geology, U.S.S.R. Academy of Sciences, p. 50-61 (in Russian).
- Androsov, D.V., and Ratkin, V.V., 1990, Pre-folding massive zinc-sulfide ore in the Voznesenka greisen deposit (Primorye): *Geology of Ore Deposits*, no 5, p.46-58 (in Russian).
- Andrusenko, N.I., 1971, Mineralogy and genesis of Iceland spar on the Siberian Platform: Nedra, Moscow, 227 p. (in Russian).
- Archinekov, A.G., 1986, Tolcheinskoye barite deposit and barite deposits of the Batenevsk Ridge in Kuznetsk Alatau, *in Barite*: Nauka, Moscow, p. 224-230 (in Russian).
- Anisimova, G.S., 1993, Mineralogical criteria for local prediction of gold mineralization on the basis of topomineralogical mapping of the Badran ore field, *in Mineralogical-Genetic Aspects of Magmatism and Mineralization in Yakutia*: Yakutian Scientific Centre of Siberian Branch of Russian Academy of Sciences, Yakutsk, p. 49-53 (in Russian).
- Ariunbileg, Sodov, Biryul'kin, G.V., Byamba, Jamba, Davydov, Y.V., Dejidmaa, Gunchin, Distanov, E.G., Dorjgotov, Gamyarin, G.N., Gerel, Ochir, Fridovskiy, V.Yu., Gotovsuren, Ayurzana, Hwang, Duk Hwan, Kochnev, A.P., Kostin, A.V., Kuzmin, M.I., Letunov, S.A., Li, Jiliang, Li, Xujun, Malceva, G.D., Melnikov, V.D., Nikitin, V.M., Obolenskiy,

- A.A., Ogasawara, Masatsugu, Orolmaa, Demberel, Parfenov, L.M., Popov, N.V., Prokopiev, A.V., Ratkin, V.V., Rodionov, S.M., Seminskiy, Z.V., Shpikerman, V.I., Smelov, A.P., Sotnikov, V.I., Spiridonov, A.V., Stogniy, V.V., Sudo, Sadahisa, Sun, Fengyue, Sun, Jiapeng, Sun, Weizhi., Supletsov, V.M., Timofeev, V.F., Tyan, O.A., Vetluzhskikh, V.G., Xi, Aihua, Yakovlev, Y.V., Yan, Hongquan, Zhizhin, V.I., Zinchuk, N.N., and Zorina, L.M., 2003, Significant metalliferous and selected non-metalliferous lode deposits, and selected placer districts of Northeast Asia: U.S. Geological Survey Open-File Report 03-220 (CD-ROM).
- Arkhangelskaya, V.V., 1974, Rare-metal alkaline complexes of the southern margin of the Siberian platform: Nedra, Moscow, 126 p. (in Russian).
- Arkhangelskaya, V.V., 1998, Metallogeny of Early Precambrian in the western part of the Aldan shield, *in* Metallogeny, Oil- and Gas-Bearing Potential and Geodynamics of the North Asian Craton and Framing Orogenic Belts: Second Conference on Metallogeny, 1998, Institute of Geochemistry, Irkutsk, p.83-84 (in Russian).
- Arkhangelskaya, V.V., and Shuriga, T.N., 1997, Geological structure, zonation and mineralization of Zashikhinsky tantalum-niobium deposit: Journal of Exploration and Protection of Mineral Resources, Moscow, no. 12, p. 7-10 (in Russian).
- Arkhipov, Yu.V., ed., 1979, Geology of the U.S.S.R., v. XVIII, Yakutia, U.S.S.R., Mineral Deposits: Nedra, Moscow, 411 p. (in Russian).
- Avdonin, V.V., 1997, The unique lead and zinc deposits: News of High Schools, Geology and Prospecting, no 4, p. 48-56 (in Russian).
- Badarch, G., and Orolmaa, D., 1998, Overview of the geology and tectonic evolution of southern Mongolia: Mongolian Geoscientist, no.10, p. 10-16.
- Badarch, G., and Orolmaa, D., 1999, Accreted terranes of southern Mongolia and adjacent areas: Mongolian Geoscientist, no.14, Special IGSEA Issue, p. 10-12.
- Bahteev, R.H., and Chijova, I.A., 1990, Iron-ore formations of Mongolia and regularities of spatial distribution, *in* Endogenic Ore-Formations of Mongolia: Nauka, Moscow, p. 115-123 (in Russian).
- Bahteev, R.H., and Chijova, I.A., 1984, Endogenic ore-bearing formations of Mongolia and regularities of spatial distribution: Nauka, Moscow, p. 115-123 (in Russian).
- Baikova, V.S., Shulenko, I.K., and Kozakov, I.K., 1987, Geological setting of magnetite occurrences in a Precambrian Complex on southern slope of Govi-Altai Mountain Range: Geology of Ore Deposits, no. 3, p.30-35 (in Russian).
- Bai, Wenji, Wang, Binxi, and Lia, Rixuan, 1994, Chromite deposits of China, *in* Committee of Mineral Deposits of China, Mineral Deposits of China: Geological Publishing House, Beijing, v. 2 of 3, p. 553-588 (in Chinese).
- Bakharev, A.G., Gamyaniin, G.N., Goryachev, N.A., and Polovinkin, V.L., 1988, Magmatism and ore formations of the Ulakhan-Tas Range (northeast Yakutia): Yakutian Institute of Geology, Siberian Branch, Russian Academy of Sciences, 198 p. (in Russian).
- Baklakov, M.S., 1945, Kalguta molybdenum-tungsten deposit in Gorny Altai: Soviet Geology, no. 8, p.43-50 (in Russian).
- Bakulin, Yu.I., Buryak, V.A., Galichanin, E.N., and others 1999, Main problems of investigation and mining of mineral resources in Far East Economic Region: Far East Institute of Mineral Raw Materials, Publishing House, Khabarovsk, 214 p. (in Russian).
- Balykin, P.A., and Shabalin, L.I., 1984, Petrology and genesis of apatite-ilmenite-titanium--magnetite ores of Angashansky (Kruchininsky) pyroxene-gabbro massif, *in* Petrochemistry and Criteria of Ore-Bearing Capacity of Magmatic Complexes: United Institute of Geology and Geophysics and Mineralogy, Siberian Branch, U.S.S.R. Academy of Sciences, Novosibirsk, p. 35-87 (in Russian).
- Banzragch, J., and Chuluundorj, Ch., 1979, Regional distribution of fluorite deposits of Mongolian Peoples's Republic: Geological Setting and Distribution Regularities of Mineral Resources in the Territory of Mongolian Peoples's Republic, Ministry of Geology, Ulaanbaatar, p.38-40 (in Russian).
- Barabanov, V.F., 1975, Mineralogy of wolframite deposits of Transbaikal, Leningrad: University, v. 2, 360 p. (in Russian).
- Baranov, O.V., Shames, P.I., and Scherbakov, A.F., 1971, Cobalt-pyrite mineralization on the Savinsky magnesite deposit, *in* Materials on Geology and Mineral Resources of the Siberian Platform: Nedra, Moscow, p. 32-36 (in Russian).
- Baranova, N.N., Afanas'eva, Z.B., Ivanova, G.F., Mironova, O.F., AND Kolpakova H.H., 1997, Character of ore-forming processes at the Olimpiada Au (Sb, W) deposit: Geochemica, no.3, p. 282-294 (in Russian).
- Baryshev, A.S., 1981, Verkhne-Iisk deposit, *in* Iron Ore Deposits of Siberia: Nauka, Novosibirsk, p. 82 (in Russian).
- Basu, A.R., Poreda, R.J., Renne, P.R., and others, 1995, High-³He plume origin and temporal-spatial evolution of the Siberian flood basalts: Science, v. 269, p. 822-825.
- Batbold D.1997, Mineralogy of the carbonatite from the Lulingol carbonatite pluton, South Mongolia. Ms.C. thesis, Shimane, Shimane University, Japan, 143 p.
- Batjargal, Sh., Lkhamsuren, J., and Dorjgotov, D., 1997, Lead-zinc ore deposits in Mongolia: Mongolian Geoscientist, no. 2. p. 2-14.
- Bat-Ulzii, D., 1996, Petrology and geochemistry of latitic magmatism north-eastern Mongolia. Summary of Ph.D. Thesis, Mongolia Technical University, Ulaanbaatar, 25 p. (in Russian).
- Bat-Ulzii, D., 1999, Late Mesozoic volcanic rocks of Mongolia: Mongolian Geoscientist, no. 13. p. 16-25.
- Bazhanov, V.A., 1988, Major geological and metallogenic features of the Khanka massif, *in* Kokorin, A.M., ed., Metallogeny of Major Tin-Bearing Districts of the Southern Russian Far East: Far East Geological Institute, Vladivostok, p.114-133 (in Russian).
- Bekhtold, A.F., and Semenov, D.F., 1990, Metabasites and ultramafic rocks of the Susunai Ridge (Sakhalin Island): Pacific Ocean Geology, no. 1, p.121-125 (in Russian).
- Belichenko, V.G., 1969, Lower Paleozoic of Western Transbaikalia: Nauka, Moscow, 207 p. (in Russian).

- Belichenko, V.G., 1977, Caledonides of the Baikal mountainous area: Nauka, Novosibirsk, p. 134 (in Russian).
- Belichenko, V.G., Sklyarov, E.V., Dobretsov, N.L., and others, 1994, Geodynamic map of Paleo-Asian Ocean, eastern segment: *Geology and Geophysics*, Novosibirsk, no.7-8, v. 35, p. 29-40 (in Russian).
- Belogolovkin, A.A., 1977, On the dynamics and history of development of the Bom-Gorkhon field structure, *in* *Mechanisms of Formation of Tectonic Structures of Eastern Siberia*: Nauka, Novosibirsk, p. 90-98 (in Russian).
- Belous, N.Kh., and Novozhilov, V.I., 1969, Paragenesis of exhalative-sedimentary iron-ores and pyritic ores in Mainskoye deposit, *in* *Geology and Metallogeny of Volcanogenic-Sedimentary Associations of Siberia*: Nedra, Moscow, p. 101-111 (in Russian).
- Belyatsky, B.V., and Krymsky, R.S., 1999, Age and genetic relationship of rare-metal ore-bearing granites of Voznesenka ore field, Primorye: Rb-Sr and Sm-Nd isotopic data, *in* Stenley, C.J., and others, eds., *Mineral Deposits: Process to Processing*: A.A.Balkema/Rotterdam/Brookfield, v. 1, p.313-316.
- Berger, B.I., and Murina, G.A., 1972, New data on the age of mercury mineralization of the Baikal belt: U.S.S.R. Academy of Sciences Transactions, v. 203, no. 3, p. 647-649 (in Russian).
- Berger, V.I., 1978, Antimony deposits: Nedra, Leningrad, 295 p. (in Russian).
- Berger, V.I., 1986, Mercury, *in* *Criteria for Evaluation a Potential of Regions for Hard Minerals*: Nedra, Leningrad, p. 386-410 (in Russian).
- Berger, V.J., 1981, Precambrian antimony deposits of the Yenisey Ridge, *in* *Geology of Precambrian Mineral Deposits*: Nauka, Leningrad, p.911-929 (in Russian).
- Berman, V.I., and Vogdin N.F., 1968, Exploration of Tsagaansuvarga Cu-Mo deposit: *Geology of Mongolian People's Republic: Geologic Information Center in Mongolia, Ulaanbaatar, Open-File Report 1773* (in Russian).
- Bernstein, P.S., and Petrovskaya, N.V., 1954, Sovetskoye gold-ore deposit (Enisey Ridge), *in* *Geology of the Major Gold-Ore Deposits of the U.S.S.R.: Central Research Geological-Exploratory Institute, Moscow*, v. 6: 164 p. (in Russian).
- Beryozkin, V.I., 1977, Metamorphism of the Lower Proterozoic of the Aldan shield: Nauka, Novosibirsk, 119 p. (in Russian).
- Berzin, N.A., 1967, The Main fault zone of Eastern Sayan: Nauka, Moscow, 147 p. (in Russian).
- Berzin, A.N., Coleman, R.G., Dobrevtsov, N.L., Zonenshain, L.P., Xiao Xuchan, and Chang, E.Z., 1994, Geodynamic map of the Paleoasian Ocean: *Geology and Geophysics*, v. 35, no.7-8, p. 8-28 (in Russian).
- Berzin, N.A., and Kungurtsev, L.V., 1996, Geodynamic interpretation of Altai-Sayan geological complexes: *Geology and Geophysics*, v. 37, no.1, p. 63-81 (in Russian).
- Bilanenko, V.A., Chernyy, E.D., Vitenko, V.G., Gal'chenko, I.N., Beletskiy, V.L., and Koshlyak, V.S., 1986, Mineral resources of South Yakutia and problems of utilization, *in* *Problems of Utilization of Mineral Resources in the BAM region*: Institute of Geology and Geophysics, Siberian Branch, U.S.S.R. Academy of Sciences, Novosibirsk, p. 109-129 (in Russian).
- Bilibin, Yu.A., 1955, Metallogenic provinces and metallogenic epochs: State Technical Publishing Company, Moscow, 356 p. (in Russian).
- Blagonravov, B.A., and Shabalovskii, A.E., 1977, Gold, *in* *Geology of Mongolian People's Republic*, v. III (Mineral Resources): Nedra, Moscow, p. 217-268. (in Russian).
- Blagonravov, B.A., Blagonravova, L.A., and Podkolzin, V.N., 1984, Natural distribution of gold mineralization in the eastern and central Mongolia, *in* *Geology and Mineral Resources of Mongolian Peoples's Republic: Transactions of the International Geological Expedition in Mongolian Peoples's Republic*, v. II, p. 60-78. (in Russian).
- Blagonravov, B.A., and Tsypukov, Y.P., 1978, General features of gold mineralization in the territory of Mongolia: *Geology and Geophysics*, no. 6, p.61.-68.
- Bluman, B.A., 1983, On element migration under the regional metamorphism influence: *Geology and Geophysics*, no.8, p. 95-104 (in Russian).
- Bogatskiy, V.V., and Kureeraite, Sh.D., 1966, Regularities of metasomatic magnetite deposits location in the West Sayan: Nedra, Moscow, 175 p. (in Russian).
- Bogdanov, Yu.V. and Apol'skiy, O.P., 1988, Geodynamic model for the formation of the Olekma-Vitim Cu province: *Geology of Ore Deposits*, no. 3, p. 66-74 (in Russian).
- Bogdanov, Yu.V., Buryanova, E.Z., Kutyrev, E.I., Feoktistov, V.P., and Trifonov, N.P., 1973, Copper stratiform deposits of the U.S.S.R.: Nedra, Leningrad, 312 p. (in Russian).
- Bogdanovich, V.A., 1964, Structural control of Sovetskoye deposit gold mineralization: *Geology and Geophysics*, no. 12, p. 72-81 (in Russian).
- Bognibov, A.I., and Mekhonoshin, A.S., 1990, Petrochemistry and the problems of genesis of the Khaaktyg-Oy titanium gabbroid massif (Eastern Sayan), *in* Polyakov, G.V., ed., *Petrochemistry of Ore-Bearing Gabbro Formations*: Nauka, Novosibirsk, p. 65-91 (in Russian).
- Bogolepov, K.V., 1961, Bauxite bearing formations of Siberia rocks: Paragenesis origin conditions: *Geology and Geophysics*, no.11, p. 14-22 (in Russian).
- Boitsov, V.E., and Pilipenko, G.N., 1998, Gold and uranium in Mesozoic hydrothermal deposits of Central Aldan (Russia): *Geology of Ore Deposits*, v. 40, no. 4, p. 453-369 (in Russian).
- Borisenko, A.S., Pavlova, G.G., Borovikov, and A.A., Obolenskiy, A.A., 1991, Ag-Sb deposits of the Yustid Depression, eastern Russia and northwest Mongolia: *International Geology Review*, v. 41, no.7, p. 639-664.
- Borisenko, A.S., Lebedev, V.I., and Tyulkin, V.G., 1984, Forming condition of hydrothermal cobalt deposits: Nauka, Novosibirsk, 184 p. (in Russian).
- Borisenko, A.S., Obolenskii, A.A., Skuridin, V.A., and others, 1991, Problems of orogenic mineralization with magmatism in ore-districts of southeastern Altai and northwestern Mongolia, *in* *Isotopic Investigation of Ore-Forming Processes*: Nauka, Novosibirsk, p.87-101 (in Russian).

- Borisenko, A.S., Pavlova, G.G., Obolenskii, A.A., Lebedev, V.I., and others, 1992, Silver-antimony ore formation, *in* *Geology, Mineralogy, and Endogenic Zonation, Part 1*: Nauka, Novosibirsk, 189 p. (in Russian).
- Borisenko, A.S., Skuridin, V.A., Lebedev, V.I., and others, 1988, Metallogenesis of ore-districts of southeastern Gornyi Altai and northwestern Mongolia, *in* *Distribution Regularities of Mineral Resources*, v. XV, Metallogenesis of Siberia: Nauka, Moscow, p. 131-139 (in Russian).
- Borisenko, A.S., Bortnikov, N.S., Pavlova, G.G., and others, 1986, Bismuth-containing minerals in siderite-sulphosalt veins of Yustid depression: *Geology and Geophysics*, v. 27, no. 10, p. 70-77 (in Russian).
- Borovkov, V.K., and Gaivoronsky, B.A., 1995, Barun-Shiveinsky deposit, *in* Laverov, N.P., ed., *Deposits of Transbaikalia*, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 142-145 (in Russian).
- Bortnikov, N.S., Gamyarin, G.N., Alpatov, V.V., Naumov, V.B., Nosik, L.P., and Mironova, O.F., 1998, Mineralogical and geochemical features and origin of the Nezhdaninsk deposits, Sakha-Yakutia, Russia: *Geology of Ore Deposits*, v. 40, no. 2, p. 137-156 (in Russian).
- Borzakovskii, Yu.A., and Suprunov, E.A., 1990, Geological and mineral resources maps of western Mongolia with explanatory notes: Geological Information Center, Ulaanbaatar, Mongolia Open –File Report no.4496, scale 1:500,000 (in Russian).
- Borzenko, G.F., and Sklyarov, R.Ju., 1970, Priangarsk copper-bearing basalt: *Soviet Geology*, no.8, p. 96-105 (in Russian).
- Bovin, Yu.P., and Li, L.V., 1976, Some data on ore localization conditions and mineral composition of Bogunai deposit, *in* *Questions of Geology and Ore Productivity of Middle Siberia*: Krasnoyarsk Publishing House, Krasnoyarsk, p. 72-79 (in Russian).
- Bozhko, N.A., Parfenova, O.V., and others, 1999, Structural-metamorphic evolution and paleotectonic nature of the Early Precambrian units of eastern Baikal-Muya region: *Moscow University Newsletter, Geology Series*, no. 2, p. 793-796 (in Russian).
- Brakhfogel', F.F., Zaitsev, A.I., and Shamshina, E.A., 1997, Age of kimberlite magmatites as a basis for predicting diamond-bearing capacity of territories: *Russian Geology*, no. 9, p. 20-24 (in Russian).
- Brander, N.Kh., Zabiroy, Yu.A., Ponomarev, V.G., and Khokhlov, A.P. 1985, Stratiform lead-zinc mineralization in carbonate rocks of Yenisei Ridge (exemplified by Moryanikhinskoye ore deposit): *Geology and Geophysics*, no 2, p. 58-64 (in Russian).
- Brovkov, G.N., Li, L.V., and Okhapkin, N.A., 1978, Geological-structural peculiarities of gold and base-metal mineralization distribution in Baikhalides of the Yenisey Ridge: *Transactions of Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy of Raw Materials, U.S.S.R. Academy of Sciences, Novosibirsk*, v. 262, p. 3-11 (in Russian).
- Brovkov, G.N., Li, L.V., Ponomarev, V.G., Khokhlov, A.P., and Sherman, M.L. 1988, Metallogeny of the Yenisey Ridge, *in* *Regularities of Mineral Deposits Distribution, Metallogeny of Siberia*, v. XV: Nauka, Moscow, p. 140-148 (in Russian).
- Brovkov, G.N., Li, L.V., and Sherman, M.L., eds., 1985, *Geology and metallogeny of Enisey ore belt: Siberian Research, Geological, Geophysical and Mineral Resources Institute, Krasnoyarsk*, 291 p. (in Russian).
- Brovkov, G.N., and Okhapkin, N.A. eds., 1976, Polymetallic ore mineralization of Yenisei Ridge: *Transactions of Siberian Research, Geological, Geophysical and Mineral Resources Institute, Krasnoyarsk*, v. 230, 120 p. (in Russian).
- Bryntsev, V.V., 1994, Precambrian granitoids of Northwestern Pribaikalia: *Nauka, Novosibirsk*, p. 4 (in Russian).
- Budnikov S. V. and others, 1999, The ages and sources of the Hangay Batholith (central Mongolia), *in* *Continental Growth in the Phanerozoic, Evidence from Central Asia: International Geological Correlations Program (IGCP 420), Second Workshop*, p. 11.
- Bulgatov, A.N., 1973, Tectonic structures and features of gold location in the Barguzin taiga: *Geology and Geophysics, Novosibirsk*, no. 12, p. 29-37 (in Russian).
- Bulgatov, A.N., 1983, *Tectonics of Baikhalides*: Nauka, Novosibirsk, 193 p. (in Russian).
- Bulgatov, A.N., and Gordienko, I.V., 1999, Terranes of the Baikal mountainous area and location of gold deposits: *Geology of Ore Deposits*, Moscow, v. 41, no. 3, p. 230-240 (in Russian).
- Bulinnikov, A.Ya., 1960, On peculiar polymetallic (essentially lead) ore mineralization in Kuznetsk Alatau and East Sayan regions, *in* M.A. Usov's Ideas about Geology: U.S.S.R. Academy of Sciences Publishing House, Alma-Ata, Kazakhstan: p. 451-460 (in Russian).
- Bulinnikov, V.A., 1968, Morphogenetical peculiarities of Olkhovskoye ore field, *in* *Questions of Gold Deposits, Geology of Siberia*: Tomsk University Press, Tomsk, p. 121-127 (in Russian).
- Bulnaev, K.B., 1995, Egitinsky deposit, *in* Laverov, N.P., ed., *Deposits of Transbaikalia*, v. 1, book 2: GeoInformMark Chita-Moscow, p.204-210.
- Bulnaev, K.B., 1995, Naransky deposit, *in* Laverov N.P., ed., *Deposits of Transbaikalia*, v. 1, book 2: GeoInformMark, Chita-Moscow, p. 197-203 (in Russian).
- Bulnaev, K.B., 1995, Orekitkan molybdenum deposit, *in* Laverov, N.P., ed., *Deposits of Transbaikalia*, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 170-175 (in Russian).
- Bulynnikov, A.Ja., 1948, Gold-ore formations and gold-bearing provinces of the Altai-Sayan Mountain system: Tomsk University Publishing House, Tomsk, v. 102, 300 p. (in Russian).
- Buryak, V.A., 1982, *Metamorphism and ore formation*, Nedra, Moscow, p. 256 (in Russian).
- Buryak, V.A., Bepalov, V.Ya., Gagaev, V.N., Zarubin, B.A., and Triyan, V.B., 1999, New geology-industrial type of zirconium mineralization (genesis and perspective of use): *Khabarovsk Committee on Natural Resources*, 215 p. (in Russian).
- Bushmin, S.A., Drugova, G.M., and Kharitonov, A.L., 1983, Metamorphism of the Olekma folded zone (eastern Siberia), *in* *Metamorphism of the Precambrian in the Baikal-Amur Railway Region*: Nauka, Leningrad, p. 8-33 (in Russian).
- Buslov, M.M., Fujiwara, J., Safonova, I.Ju., Okada, Sh., and Semakov, N.N., 2000, The junction zone of the Gornyi Altai and Rudni Altai terranes, structure and evolution: *Geology and Geophysics*, v. 41, no.3, p. 383-398 (in Russian).

- Buyakaite, M.U., Kuzymichev A.B., and D.D., and Sokolov, D.D., 1989, A 718 Ma Rb-Sr Isochron age of the Sarhoi Group in East Sayan: U.S.S.R. Academy of Sciences Reports, v. 309, no.1, p.150-154. (in Russian).
- Byamba, J., 1996, Structure-formation map of Mongolia: Geologic Information Center, Mongolia, Open-File Report, scale 1:1,000,000.
- Byamba, J., and Dejidmaa, G., 1999, Terranes of Mongol Altai area: Mongolian Geoscientist, no.14., p.16-19.
- Byamba, J., and Dejidmaa, G., 1999, Geodynamics of the Mongol Altai Area: Mongolian Geosudlaach, no. 3., p. 2-25. (in Mongolian).
- Bych, A.F., and Batyrev, A.I., 1998, Manganese ore deposits of Kemerovsk district: Ores and Metals, no.2, p.22-29 (in Russian).
- Bychok, B.G., and Popov, L.N., 1975, The Khotoidokh sulfide-polymetallic deposit: Journal of Exploration and Protection of Mineral Resources, no. 6, p. 7-9 (in Russian).
- Cao, Jingxian, 1993, Tadong Iron Deposit, *in* Yao, Peihui, ed., Records of China`s Iron Ore Deposits: Metallurgic Industry Press, Beijing, p.311-314 (in Chinese).
- Chao, E.C.T., Baok, J.M, and Minkin J.A., 1992, Host rock controlled epigenetic hydrothermal metasomatic origin of the Bayan Obo REE-Fe-Nb ore deposit, Inner Mongolia, People`s Republic of China: Applied Geochemistry, v. 7, p. 43 (in Chinese).
- Chebanenko, P.F., Vogdin, N.F., and others, 1968, Detailed prospecting in Tsagaansuvarga Cu-Mo deposit: Geologic Information Center, Ulaanbaatar, Open-File Report 1667 (in Russian).
- Chechetkin, V.S., Vodin, R.N., Narkeljun, L.F., and others, 1995, Udokan deposit of cupriferous sandstones, *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 10-19.
- Chekalin, V.M., 1985, On zonation and genesis of Zarechenskoye barite-polymetallic deposit in the Rudny Altai: Geology of Ore Deposits., no.5, p. 90-94 (in Russian).
- Chekalin, V.M., 1991, The major regularities of distribution and principal genetical model of pyrite-polymetallic deposits at the northwestern part of Rudny Altai: Geology and Geophysics, no. 10, p. 78-88 (in Russian).
- Chekalin, V.M., and Polovnikova, L.M., 1997, Inskoye magmatite-skarn ore deposit in Gornyy Altai: Geology and Geophysics, v. 38, no.6, p. 1064-1117 (in Russian).
- Chen, Ping, Lu, Jingwen, Chai, Donghao, and others, 1997, Research on the petrology and mineralogy of bauxites in Shonxi, China: Shanxi Science and Technology Press, p.139 (in Chinese).
- Chen, Qi, Meng, Liangyi, and Du, Yushen, 1994, Porphyry Cu (Mo) Deposit in Bainaimiao middle-late Proterozoic island arc and early Paleozoic Strata, *in* Rui, Zongyao, Shi, Lindao, and Fang, Ruhen, eds., Geology of Nonferrous Metallic Deposits in the Northern Margin of the North China Landmass and Adjacent Area: Geological Publishing House, Beijing, p.220-238 (in Chinese).
- Chen, Xianpei, Gao, Jiuyuan, and Cao, Junchen, 1994, Barite and fluorite deposits of China: Editorial Committee for Discovery History of Mineral Deposits of China Mineral Deposits of China, v. 3, no. 3, 327-329 (in Chinese).
- Cheng, Yuqi, ed., 1986, Outline of regional geology of China: Geological Publishing House, Beijing, p.238-241 (in Chinese).
- Chesnokov, V.N., 1966, Location pattern of muscovite veins in the Mamsky mica-bearing region, *in* Geology and Useful Minerals of the Baikal-Patom Highland: Irkutsk Geological Survey, Irkutsk, p. 121-125 (in Russian).
- Chi, J. M., 1963, Report on the Susuk iron mine: Geological Survey of Korea Bulletin 6, p. 55-72 (in Korean).
- Chikao, Kurimoto, Floragiin, Tungalag, Lkhamsuren, Bayarmandal, and Niidengiin, Ichinnorov, 1998, K-Ar ages of white micas from pelitic schist of the Bayanhongor area, western Mongolia: Geological Survey of Japan Bulletin, v. 49, p. 30-35.
- Cho, K. B., and Lee, J. K., 1966, Investigative report on ore deposits of Seongjoo area (Darak mine): Geological Survey of Korea Bulletin 9, p. 134-163 (in Korean).
- Cho, H. I., Moon, H. S., Lee, D. S., and Lee, T. S., 1977, Investigative Report on the Gapyeong crystalline graphite deposits: Korea Research Institute of Geoscience and Mineral Resources Report on Geoscience and Mineral Resources, v. 2, p. 35-54 (in Korean).
- Choi, C. I., and Kim, K. B., 1963, Drilling report on investigation of Kumma-chon placer: Geological Survey of Korea Bulletin 6, p. 121-154 (in Korean).
- Cluer, J.K., Enkhtuvshin, K., Shaw, R.P., 2000, Sedimentary hosted gold mineralization at Zala Uul, Khentii Range, northeastern Mongolia: Mineralium Deposita, v. 35. p 587-595.
- Compilation Committee, 1992, Geological Map of China, Geological Publishing House, Beijing, scale 1:5,000,000 (in Chinese).
- Coney, P.J., Jones, D.L., and Monger, J.W.H., 1980, Cordilleran suspect terranes: Nature, v. 288, p. 329-333.
- Cox, D.P., 1993, Estimation of undiscovered deposits in quantitative mineral resource assessments: Examples from Venezuela and Puerto Rico: Nonrenewable Resources, v. 2, no. 2, p. 82-91.
- Cox, D.P., and Singer, D.A., eds., 1986, Mineral deposit models: U.S. Geological Survey Bulletin, 379 p.
- Cykin, R.A., 1972, Manganese ore mineralization features in weathering crusts, *in* Manganese Ore Deposits of the U.S.S.R.: Nauka, Moscow, p. 361-372 (in Russian).
- Cykin, R.A., 1981, Manganese ore occurrences in Krasnoyarsk region, *in* Manganese Ore Deposits of the U.S.S.R.: Nauka, Moscow, p. 353-360 (in Russian).
- Cykin, R.A., 1988, The ancient and recent karst in the Yenisey Ridge and their metallogeny: Geology and Geophysics, no.5, p. 33-42 (in Russian).
- Cykin, R.A., 1994, Ore-bearing weathering crusts and paleokarst of the central and southern districts of Krasnoyarsk region: Russian Geology, no.10, p. 39-44 (in Russian).
- Cykin, R.A., and Kostenko, L.P., 1984, Mesozoic-Cenozoic deposits of the Porozhinskoye manganese field, *in* Manganese Ore Origin in the U.S.S.R.: Nauka, Moscow, p. 109-116 (in Russian).
- Cykin, R.A., Sviridov, L.I., and Kostenko, L.P., 1987, Manganese ores of Mochovoye deposit (Yenisey Ridge): Geology of Ore Deposits, no.1, p. 112-118 (in Russian).

- Dacenko, V.M., Alexandrovskiy, Yu.S., Kosorukov, A.P., Pyatov, O.I., and Rublev, A.G., 1994, The main epochs and geodynamic environments of granitoid magmatism and endogenous ore-formation in structures of southwestern border of the Siberian Platform: *Russian Geology*, no.10, p. 27-39 (in Russian).
- Dalrymple, G.B., Czamanske, G.K., Fedorenko, V.A., Simonov, O.N., Lanphere, M.A., and Likhachev, A.P., 1995, A reconnaissance $^{40}\text{Ar}/^{39}\text{Ar}$ geochronological study of ore-bearing and related rocks, Siberian Russia: *Geochemica et Cosmochemica Acta*, v. 59, p.2071-2083.
- Dalrymple, G.B., Czamanske, G.K., and Lanphere, M.A., 1991, $^{40}\text{Ar}/^{39}\text{Ar}$ ages of samples from Norilsk-Talnakh ore-bearing intrusions and the Siberian flood basalts: *EOS*, v. 72, p. 570.
- Dancig, S.Ya., Andreeva, E.D., Pivovarov, V.V., and others, 1988, Nepheline rocks-complex aluminium ore material: Nedra, Moscow, 189 p. (in Russian).
- Dandar, S., Enhbataar, Sh, Dejidmaa, G., Monhbat, Yo. Navchgerel, Ch, Khurelbaater, L., Amar, O., and Enhjargal, M., 1999, Result of 1:200,000 scale metallogenic investigation carried out in Mongol Altai: Geologic Information Center, Ulaanbaatar, Open-File Report 5306 (in Mongolian).
- Dandar, S., Dejidmaa, G., and Enhbataar, Sh., 2001, Pre-collisional and collisional metallogeny of Mongol Altai area, *in* Problems of Geology: Magazine of Earth Science Faculty, National University of Mongolia, no.3-4, p. 368-399 (in Mongolian).
- Danilin, E.L., 1968, On petrochemical features and metallogeny of Seibinsk granites, *in* New Data on Magmatism and Ore Mineralization of Altai-Sayan Folded Area: Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy of Raw Materials, U.S.S.R. Academy of Sciences, Novosibirsk, p. 52-54 (in Russian).
- Danilov, V.G., Ged'ko, M.I., and Shumov, V.V., 1990, The Khotoidokh sulfide-polymetallic deposit: Transactions, Special Educational Institute, Geology and Exploration, no. 2, p. 67-72. (in Russian).
- Dashkevich, I.N., Musatov, D.I., Yaskevich, V.I., Feigin, E.B., and Sherman, M.L., 1969, The major stages of development and deep structure of the western part of Siberian Platform, *in* Proceedings on Geology and Mineral Resources of Krasnoyarsk district: U.S.S.R. Academy of Sciences, Krasnoyarsk, no. 6, p. 3-10 (in Russian).
- Davydov, Yu.V., and Chiryayev, A.G., 1986, Copper mineralization of the lower Proterozoic deposits of the Uguy graben (southern Yakutia): *Geology and Geophysics*, no. 3, p. 18-28 (in Russian).
- Davydov, Yu.V., and Sobolev, A.E., 1990, Lithologic-facies characteristics of Vendian deposits in the South Verkhoyansk region and lead-zinc mineralization: *Geology and Geophysics*, no. 9, p. 11-18 (in Russian).
- Davydov, Yu.V., 1992, Ore-bearing facies systems of stratiform lead-zinc and copper deposits: *Geology and Geophysics*, no. 1, p. 70-76 (in Russian).
- Davydov, Yu.V., 1995, Regularities in the distribution of copper mineralization in the Upper Precambrian deposits of middle Lena, *in* Metal Content of Sedimentary and Magmatic Complexes of Middle Lena: Yakutian Scientific Center, Siberian Branch, Russian Academy of Sciences, Yakutsk, p. 6-17 (in Russian).
- Davydov, Yu.V., 1997, Metallogenic stages in the formation of stratiform mineralization in Yakutia (lead, zinc, copper). *Russian Geology*, no. 9, p. 12-15 (in Russian).
- Dejidmaa, G., 1985, Geochemical features of Boroo gold-field in Mongolia: Summary of Ph.D. Dissertation, U.S.S.R. Academy of Sciences, Novosibirsk, 16 p. (in Russian).
- Dejidmaa, G., 1998, Distribution map of gold and gold-rich copper and iron deposits and occurrences in Mongolia: Geological Information Center, Ulaanbaatar, Mongolia, scale 1:3,000,000.
- Dejidmaa, G., 1996, Gold metallogeny of Mongolia: *Mongolian Geoscientist*, no. 1. p. 6-29.
- Dejidmaa, G., Eideliman, L.E., Alkin, V.S., Kunitsyn, V.V., and others, 1993, Gold-bearing ore-formations in Mongolian Peoples's Republic, *in* Questions for Geology and Metallogeny of Mongolia: Kherlen Geological Expedition, Transactions, no.4, Mongolian Polytechnical Institute. Ulaanbaatar, p. 5-20 (in Russian).
- Dejidmaa, G., Gantomor, B., Gundsambuu, Ts., and others, 1996, Metallogenic map of Mongolia: Geologic Information Center Ulaanbaatar, Mongolia, Open-File Report 5023, scale 1:1,000,000 (in Mongolian).
- Dejidmaa, G., and Nakajima, T. 1999, New data of some granitoid massifs in southern part of Mongol Altai area: *Mongolian Geoscientist*, no. 3, p. 15-36.
- Dejidmaa, G., and others, 1996, Metallogenic map of Mongolia: Geological Information Center, Ulaanbaatar, Mongolia, Open-File Report 5023, scale 1:1,000,000 (in Mongolian).
- Delgertsogt, B., and others, 1980, Result of 1:200,000 scale geological mapping and general prospecting: Geologic Information Center, Mongolia Open-File Report 2982 (in Russian).
- Deng, Jinfu, Zhao, Hailing, Ma, Xuanxu, and others, 1996, Continental roof plume tectonics of China: Key to continental dynamics: Geological Publishing House, Beijing, p.34-39 (in Chinese).
- Denisov, Ju.P., 1968, Structure of Komsomolskoye gold-ore deposit, *in* Questions of Gold Deposit Geology of Siberia: Tomsk University Press, p. 163-165 (in Russian).
- Denisova, T.A., 1990, Lithology and ore formation in old and recent seas of Far East: U.S.S.R. Academy of Sciences, Far East Geological Institute, Vladivostok, p.35-54 (in Russian).
- Dergachev, V.B., 1989, Cesium-bearing variety of ultrarare-metal granite-porphry (Elvane): U.S.S.R. Academy of Sciences Transactions, v. 305, no.6, p. 708-712 (in Russian).
- Dergachev, V.B., Glotov, A.I., Terekhov, B.N., and Bryuzgin, L.A., 1980, Sedovozaimskiy gabbro-peridotite massif and related sulfide Cu-Ni mineralization: *Geology and Geophysics*, no.11, p. 113-137 (in Russian).
- Dergunov A.V., 1989, Central Asian caledonian structures: Nauka, Moscow, 190 p. (in Russian).
- Dergunov, A.B., Luvsandanzan, B., and Pavlenko, V.S., 1980, Geology of western Mongolia: Nauka, Moscow, 196 p. (in Russian).

- Dergunov, A.B., Zaitsev, N.S., Mossakovskii, A.A., and Perilyev, A.S., 1971, Hercyniads of Mongolia and problems of Paleotethys, *in* Problems of Theoretical and Regional Tectonics: Nauka, Moscow, p. 87-103. (in Russian).
- Distanov, E.G., 1977, Pyrite-polymetallic deposits of Siberia: Nauka, Novosibirsk, 351 p. (in Russian).
- Distanov, E.G., 1983, Pyrite-polymetallic deposits of the West Transbaikalia and Salair, *in* Pyritic Ore Deposits of the U.S.S.R.: Nauka, Moscow, p.148-178 (in Russian).
- Distanov, E.G., 1985, Proterozoic pyrite-polymetallic deposits in Siberia and the role of hydrothermal-sedimentary processes of their formation: Geological Survey of Finland Bulletin 331, p. 227-238.
- Distanov, E.G., and Gaskov, I.V., 1999, The evolution of ore-forming processes and distribution of polymetallic deposits in Northeastern Rudny Altai: Geology and Geophysics, v. 40, no.11, p. 1655-1668 (in Russian).
- Distanov, E.G., Klyarovskiy, V.M., Kovalev, K.R., and Perceva, A.P., 1964, On the age of polymetallic mineralization of the Salair ore field: Geology of Ore Deposits, no.5, p. 94-97 (in Russian).
- Distanov, E.G., and Kovalev, K.P., 1995, Kholodninsky stratiform pyrite-polymetallic deposit, *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 83-89 (in Russian).
- Distanov, E.G., and Kovalev, K.P., 1996, Hydrothermal-sedimentary ore genesis and metamorphism of pyrite-polymetallic deposits of W. Transbaikalia and N. Pribaikalia, *in* Jurgenson, G.A., ed., Problems of Ore Formation, Prospecting and Commodity Assessment: Publishing House, United Institute of Geology, Geophysics, and Mineralogy, Siberian Branch, Russian Academy of Sciences, Novosibirsk, p. 49-57 (in Russian).
- Distanov, E.G., Kovalev, K.R., and Tarasova, R.S., 1982, Kholodnenskoye pyrite-polymetallic deposit in Precambrian of Pribaikalia: Nauka, Novosibirsk, p. 207 (in Russian).
- Distanov, E.G., and Obolenskiy, A.A., 1994, Metallogenic development of the Central-Asian Mobile Belt in connection with geodynamic evolution: Geology and Geophysics, no.7-8, p. 252-269 (in Russian).
- Distanov, E.G., and Ponomarev, V.G., 1980, On geological-genetical features of the Gorevskoye lead-zinc deposit: Geology and Geophysics, no.12, p. 27-36 (in Russian).
- Distanov, E.G., Sotnikov, V.I., Obolenskii, A.A., Borisenko, A.S., Berzina, A.P., and Kovalev, K.R., 1998, Main factors of formation of large and superlarge mineral deposits of crust-mantle ore-forming systems (using Siberia as an example): Geology and Geophysics, v. 39, no.7, p. 879-888 (in Russian).
- Distanov, E.G., Stebleva, A.T., Obolenskiy, A.A., Kochetkova, K.V., and Borisenko, A.S., 1975, Genesis of Udereiskoye gold-antimony deposit in Enisey Ridge: Geology and Geophysics, no. 8, p. 19-27 (in Russian).
- Dmitriev, V.P., 1958, New data on polymetallic ore mineralization of Gorny Altai: Prospecting and Mineral Resources Protection, no 9, p. 1-7 (in Russian).
- Dmitriev, V.P., 1964, The main features of Zarechenskoye barite-polymetallic deposit: Geology of Ore Deposits, no 2, p. 97-102 (in Russian).
- Dobretsov, N.L., 1983, Ophiolites and problems of the Baikal-Muya belt, *in* Magmatism and Metamorphism of BAM Zone and Their Role in Formation of Useful Minerals: Nauka, Novosibirsk, p. 11-19 (in Russian).
- Dobretsov, N.L., 1997, Mantle superplumes as a reason of principal geologic periodicity and global changes: Russian Academy of Sciences Transactions, v. 357, no.6, p. 397-800 (in Russian).
- Dobretsov, N.L., Belichenko, V.G., Boos, YU.P., and others, 1989, Geology and ore-bearing capacity of Eastern Sayan Mountains: Nauka, Novosibirsk, 127 p. (in Russian).
- Dobretsov N.L., and Bulgatov A.N., 1991, Geodynamic map of Trans-Baikal (principles of compilation and legend): United Institute of Geology, Geophysics, and Mineralogy, Siberian Branch, Russian Academy of Sciences, Novosibirsk, **SCALE**, 66 p. (in Russian).
- Dobretsov, N.L., Gabov, N.F., and others, 1989, Eclogite-like rocks (drusites) and eclogites in Precambrian blocks of Pribaikalia, *in* Eclogites and Glaucophane Schist in Folded Areas: Nauka, Novosibirsk, p. 7-35 (in Russian).
- Dobretsov, N.L., and Kirdyashkin, A.G., 1994, Deep level geodynamics: Siberian Branch, Russian Academy of Sciences, Novosibirsk, 299 p. (in Russian).
- Dobryanskii, G.N., Sotnikov, V.I., Berzina, A.N., and Yarovoi, S.A., 1992, Peculiarities of magmatism of Aksug copper-molybdenum deposit, *in* Magmatism and Metallogeny of Tuva Ore Regions: Nauka, Novosibirsk, p. 49-62 (in Russian).
- Dobrolyubov, V.A., 1988, Features of geological setting and fluorite mineralization of the late Mesozoic structures in the north-eastern part of the Mongolia-Transbaikalia riftogenic belt: Geology and Exploration, no.5, p.17-24. (in Russian).
- Dodin, D.A., Oganessian, L.V., Chernyshov, N.M., and Yackevich, B.A., 1998, Mineral raw-materials potential of platinum group metals in Russia before XXI century: GeoInformMark, Moscow, 122 p. (in Russian).
- Dodin, D.A., Polyakov, G.V., Dyuzhikov, O.A., Korobeinikov, A.F., Landa, E.A., Melkomukov, V.N., Mitrofanov, G.L., and Savitskii, A.V., 1999, Platinoid deposits of the North-Asian Craton and its framing: metallogeny and geodynamics: Geology and Geophysics, v. 40, no.11, p. 1619-1635 (in Russian).
- Dodin, D.A., Vishnevskiy, A.N., Golubkov, V.S., and Shanurenko, N.K., 1985, Yenisey-Severozemelsk copper-ore belt (problems and perspectives), *in* Ore-Magmatic Complexes of Northwest Siberian Platform and Taimyr: Scientific Research Institute of Arctic Geology, Leningrad, p. 5-15 (in Russian).
- Dolgov, G.A., D.Bat-Erdene, Dolgany F.V., Gotovsuren, A., and others, 1984, Result of 1:50,000 scale general and 1:10,000 scale detailed prospecting on Cu and other mineral resources in the Bayanuul area in 1982-1984: Geologic Information Center, Ulaanbaatar, Mongolia, Open-File Report 3704 (in Russian).
- Dolgushin, S.S., Mikubaev, V.M., and Alabin, L.V., 1979, Explosive breccia of Tioya-Abagass ore field and ore mineralization links (Kuznetsk Alatau), *in* Problems of Genesis of Siberian Iron-Ore Deposits: Nauka, Novosibirsk, p. 66-79 (in Russian).

- Dondovyn, Tomorhuu, 1999, Geodynamics of pre-orogenic magmatic Complexes, Jida zone in Mongolia: Summary of PhD Thesis, Mongolian Technical University, and Institute of Geology and Mineral Resources, Mongolian Academy of Sciences, Ulaanbaatar, 27 p. (in Mongolian and Russian).
- Dook, V.L., Kitsul, V.I., Petrov, A.F., and others, 1986, The Early Precambrian of South Yakutia: Nauka, Moscow, 280 p. (in Russian).
- Dorjgotov, D., 1996, Lead-zinc mineralization of the eastern Mongolian Mesozoic volcano-plutonic belt (ore-formations, complexes, and distribution features using the example of the Goviugtaal-Bayanjargalan and Dornod ore-districts): Summary of Ph.D. dissertation, Mongolian Technical University, Ulaanbaatar, 19 p. (in Russian).
- Dorjnamjaa, D., and Ochir, L., 1984, On a new find of Zavhan phosphorite: Mongolian Academy of Sciences Proceedings, Ulaanbaatar, no.4, p.77-79 (in Mongolian).
- Dorjnamjaa, D., Kepejinskas, V.V., and Gerel, O., 1987, Phosphorite of the Zavhan trough in Western Mongolia: Geology and Geophysics, v. 28, no.9. p.29-38 (in Russian).
- Dorjnamjaa, D., and Eganov, E.A., 1995, Geological characteristics of phosphorites in the Zavhan subbasin: Problems of Mongolian Geology and Paleontology, no.12, p. 35-36 (in Russian).
- Dorjnamjaa, D., Bat-Ireedui, Ya, and Amgalan, J., 1999, Regularities of the spatial distribution and evolution related to formation of phosphorites in the Zavhan basin: Mongolian Geoscientist, no.13. p.41-22.
- Dorjnamjaa, Dorj, and Amgalan, Jantsan, 1999, The Zavhan Phosphate-bearing basin and its perspective: Mongolian Geoscientist, no.13., p.122-124.
- Dorofeev, A.V., 1979, Boron in Yakutia, in Arkhipov, Yu.V., and Frumkin, I.M., eds., Geology of U.S.S.R., Mineral Deposits: Nedra, Moscow, p. 332-342 (in Russian).
- Dovgal, V.N., Tribusnkiy, E.N., Sobotovich, S.A., and Distanova, A.N., 1997, Geological and compositional peculiarities of rare-metal Li-F granites of Altai: Geology and Geophysics, v. 38, no.11, p. 1807-1814 (in Russian).
- Drobot, G.D., Stolyarov, I.S., and Koshenskiy, O.A., 1993, A new type of complex tin ore deposits: Journal of Exploration and Protection of Mineral Resources, Moscow, no. 7, p. 3-7 (in Russian).
- Drozдов, B.V., 1978, Formation of urtites of Kiya-Shaltyr deposit (Kuznetsk Alatau), in Nepheline Raw Materials: Nauka, Moscow, p. 71-74 (in Russian).
- Dyadkina, I.Ya., and Orlova, M.P., 1976, Phlogopite deposits: Nedra, Leningrad, 216 p. (in Russian).
- Dymkin, A.M., Mazurov, M.P., and Nikolaev, S.M., 1975, Petrology and characteristics of ore deposit formation of the Irbinskoye ore field (East Sayan): Nauka, Novosibirsk, 188 p. (in Russian).
- Dyuzhikov, O.A., Distler, V.V., and Fedorenko, V.A., 1976, Stratiform ore occurrences of native copper in volcanogenic rocks in the North Siberian Platform: Geology of Ore Deposits, no. 2, p. 62-75 (in Russian).
- Dyuzhikov, O.A., Distler, V.V., Arkhipova, A.I., and others, 1977, Structure and origin of copper-bearing horizons of welded tuff strata (Siberian Platform): Transactions, Izvestia, U.S.S.R. Academy of Sciences, Geology Series, no. 5, p. 105-120 (in Russian).
- Dyuzikov, O.A., Distler, V.V., Strunin, B.M., and others, 1988, Geology and ore mineralization of Norilsk region: Nauka, Moscow, 279 p. (in Russian).
- Du, Qi, 1980, Features of alteration and mineralization in the Duobaoshan porphyry Cu deposit: Acta Geologica Sinica, v. 54, no. 4, p.309-323 (in Chinese).
- Dzasokhov, V.G., 1985, Specific features of gold mineralization of the South-Muya block, in Problems of Metasomatism and Ore Formation of Transbaikalia: Nauka, Novosibirsk, p. 91-97 (in Russian).
- Dzhida Ore Region, 1984, Problem of development and mastering of mineral resources): Nauka, Novosibirsk, 198 p. (in Russian).
- Eckstrand, O.R., 1984, Canadian mineral deposit types: A geological synopsis: Geological Survey of Canada Economic Geology Report 36, 86 p.
- Editorial Committee of The Discovery History of Mineral Deposits of China, 1995, The Discovery History of Mineral Deposits of China, Shanxi Volume: Geological Publishing House, Beijing, p. 150-160 (in Chinese).
- Editorial Committee of The Discovery History of Mineral Deposits of China, 1995, The Discovery History of Mineral Deposits of China, Shanxi Volume: Geological Publishing House, Beijing, p. 128-158 (in Chinese).
- Editorial Committee of The Discovery History of Mineral Deposits of China, 1995, The Discovery History of Mineral Deposits of China, Shanxi Volume: Geological Publishing House, Beijing, p. 163-165 (in Chinese).
- Editorial Committee of The Discovery History of Mineral Deposits of China, 1996, The Discovery History of Mineral Deposits of China, Liaoning, Volume: Geological Publishing House, Beijing, p.84-86 (Chinese).
- Editorial Committee of The Discovery History of Mineral Deposits, 1996, The Discovery History of Mineral Deposits of China, Xinjiang Volume: Geological Publishing House, Beijing, p. 105-111 (in Chinese).
- Editorial Committee of The Discovery History of Mineral Deposits, 1996, The Discovery History of Mineral Deposits of China, Xinjiang Volume: Beijing, Geological Publishing House, p. 150-160 (in Chinese).
- Editorial Committee of The Discovery History of Mineral Deposits of China, 1996, The Discovery History of Mineral Deposits of China, Inner Mongolia Volume: Geological Publishing House, Beijing, p.160-162 (in Chinese).
- Efimova, M.I., Naumkin, P.A., and Mikhailova, V.A., 1978, Temperatures of the origin of Upper Cretaceous granite rocks, Askold Island, in Ermakov, N.P., ed., Thermobarogeochemistry and Geology-Abstracts: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, v. 1, p.83-85 (in Russian).
- Egorov, L.S., ed., 1970, Carbonatites and alkali rocks of North Siberia: Scientific Research Institute of Arctic Geology, Leningrad, 184 p. (in Russian).

- Egorov, L.S., 1980, Rocks of phosphatic series (apatite-magnetite ores) of Esseiy massif and some general questions of petrology, classification and nomenclature of apatite-olivine-magnetite rocks of ijolite-carbonatite complexes, *in* Alkali Magmatism and Apatite-Bearing Rocks of North Siberia: Nedra, Leningrad, p. 39-60 (in Russian).
- Elkin, E.A., Sennikov, V.V., Buslov, M.M., Yazikov, A.Yu., Gratsianova, K.T., and Bakharev, N.K., 1994, Paleogeographic reconstructions of the Western Altai-Sayan region in the Ordovician, Silurian, and Devonian and their geodynamic interpretation: *Geology and Geophysics*, v. 35, no.7-8, p. 118-145 (in Russian).
- Elyanov, A.A., and Moralev, V.M., 1973, The age of ultramafic alkalic rocks of the Aldan and Soth Verkhoyansk provinces: *Transactions, U.S.S.R. Academy of Sciences, Geological Series*, no. 10, p. 15-23 (in Russian).
- Elyutin, A.V., Chistov, L.B., and Epstein, E.M., 1999, Problems of niobium mineral resources development: *Mineral Resources of Russia*, no. 3, p. 22-29 (in Russian).
- Emelyanov, E.L., Makagon, V.M., Perfiliev, V.V., and Shmakin, B.M., 1998, Geological-economic characteristics of the East-Sayan rare-metal province, *in* Strategy of Use and Development of Sources of Minerals and Raw Materials for Rare Metals in Russia in the XXI century [abs.]: Russian Institute of Mineral Resources, Moscow, p. 59-60 (in Russian).
- Enhbat, Ts., Enhee, D., Horchin, I., and Bayarsaihan, Ts., 1995, Results of 1:200,000 scale geological mapping, Moron City: Geologic Information Center of Mongolia, Ulaanbaatar, Open File Report 4838 (in Mongolian).
- Enkhbaatar, Sh., 1998, Geologic and genetic conditions of gold mineralization development in Zaamar ore-junction: Summary of Ph.D. Thesis, Mongolian Technical University, Ulaanbaatar, 16 p. (in Russian).
- Enkhtuvshin Kh., 1995, A petrological study of the Late Mesozoic and Cenozoic volcanic rocks of the Mongolian Plateau. Masters Thesis, Shimane University, Japan, 55 p.
- Entin, A.R., Zaitsev, A.I., Lazebnik, K.A., Nenashev, N.I., Marshintsev, V.K., and Tyan, O.A., 1991, Carbonatites of Yakutia (composition and mineralogy): Yakutian Scientific Center, Siberian Branch, Russian Academy of Sciences, Yakutsk, 240 p. (in Russian).
- Fang, Ruheng, 1994, Metallotectonic setting and evolution of nonferrous metals on the northern margin of north China landmass and adjacent area, *in* Rui, Zongyao, Shi, Lindao, and Fang, Ruhen, eds., *Geology of Nonferrous Metallic Deposits in the Northern Margin of the North China Landmass and Adjacent Area*: Geological Publishing House, Beijing p. 5-13 (in Chinese).
- Fedorova M.E. 1977, Geological framework and petrology of granitoids of Khangay mountains: Nauka, Moscow, 201 p. (in Russian).
- Fedorovskiy, V.S., 1972, Stratigraphy of the Lower Proterozoic of the Kodar and Udokan Ranges: Nauka, Moscow, 130 p. (in Russian).
- Feng, Shouzhong, 2000, Ore-forming material sources of Fangniugou pyrite polymetallic deposit: *Journal of Guilin Institute of Technology*, Jilin, v. 20, no. 1, p. 5-11 (in Chinese).
- Feofilaktov, G.A., 1992, On the mechanism of structural control of gold mineralization of Zun-Kholba deposit: *Geology of Ore Deposits*, v. 34, no. 4, p. 100-106 (in Russian).
- Filippova I.B., and Vydrin, V.N., 1977, Ferrous metals, *in* *Geology of Mongolian Peoples' Republic*, v. III: Nedra, Moscow, p. 90-140 (in Russian).
- Filippova, I.B., Syetenko, O.D., and Khasin, R.A., 1984, Mesozoic paleogeodynamic situation and some features of metallogenesis of eastern Mongolia, *in* *Geology and Mineral Resources of Mongolian People's Republic*: Nedra, Moscow, v. 2., p. 27-46. (in Russian).
- Fillippova I.B., and Vydrin, V.N., 1977, Black metals, *in* *Geology of the Mongolian People's Republic*: Nedra, Moscow, v. 3, p. 90-140 (in Russian).
- Flerov, B.L., Indolev, L.N., Yakovlev, Ya.V., and Bichyus, B.Ya., 1971, *Geology and genesis of tin deposits of Yakutia*: Nauka, Moscow, 318 p. (in Russian).
- Flerov, B.L., Bichyus, B.Ya., and Korostelev, V.I., 1974, Copper-tungsten skarn deposit, *in* *Mineralogy of Endogenic Deposits of Yakutia*: Nauka, Novosibirsk, p. 41-64 (in Russian).
- Flerov, B.L., 1976, Tin deposits of the Yana-Kolyma fold region: Nauka, Novosibirsk, 283 p. (in Russian).
- Flerov, B.L., Trunilina, V.A., and Yakovlev, Ya.V., 1979, Tin-tungsten mineralization and magmatism of East Yakutia: Nauka, Moscow, 275 p. (in Russian).
- Flerov, B.L., 1984, Tin-polymetallic mineralization in southeast Yakutia, *in* *Geology and Mineralogy of Ore Clusters in the Yana-Kolyma Fold System*: Yakutian Institute of Geology, U.S.S.R. Academy of Sciences, Yakutsk, p. 3-21 (in Russian).
- Fogelman, N.A., 1964, The explosive-injection gold-bearing breccias of the Ilinsky deposit in Transbaikalia: *Bulletin of Moscow Society of Nature Researchers, Geologic Division*, v. 34, p. 90-100 (in Russian).
- Fogelman, N.A., 1968, Tectonics of Mesozoic domal uplift of Trans-Baikal and pattern of location of gold-ore deposits: *Central Research Institute of Geological Prospecting Proceedings*, v. 84, 196 p. (in Russian).
- Fon-der-Flaas, G.S., 1981, Structural features of iron-ore deposits of Angara province and related morphogenetic types of ore bodies: *Geology and Geophysics*, no. 10, p. 22-27 (in Russian).
- Fredericksen, R.S., Rodionov, S.M., and Berdnikov, N.V., 1999, Geological structure and fluid inclusion study of the Kuranakh epithermal gold deposit, Aldan shield, East Russia: *International Symposium on Epithermal (Low-Temperature) Mineralization*, November 15-20, 1999, Guiyang, Guizhou Province, China, p.187-188.
- Fridovskiy, V.Yu., 1996, Deformation and mineralization of the Kular segment of the Kular-Nera slate belt (eastern Yakutia): *Transactions, Special Educational Institute, Geology and Exploration*, no. 4, p. 64-71 (in Russian).
- Fridovskiy, V.Yu., 1998, Structures of the early collisional gold deposits of the Verkhoyansk fold-and-thrust belt: *Pacific Ocean Geology*, no. 6, p. 26-36 (in Russian).

- Fridovskiy, V.Yu., 1999, Strike-slip fault duplexes at the Badran deposit: Proceedings of Higher Education, Geology and Exploration, no. 1, p. 60-65 (in Russian).
- Fridovsky, V.Yu., and Prokopiev, A.V., 2002, Tectonics, geodynamics and gold mineralization of the eastern margin of the North Asia craton, in Blundell, D.J., Neuber, F., and von Quadt, A., eds., The Timing and Location of Major Ore Deposits in an Evolving Orogen: Geological Society, London, Special Publication, no. 206, p. 299-317.
- Frih-Har, D.I., and Badamgarav, J. 1976, Late Mesozoic volcanic rocks of Mongolia: Mesozoic and Cenozoic tectonics and magmatism in Mongolia: Nauka, Moscow, p. 220-287. (in Russian).
- Frolov, A.A., 1975, Structure and mineralization of carbonatite massifs: Nedra, Moscow, 160 p. (in Russian).
- Fu, Debin, 1988, The metallogenic regularities of Cu-Ni sulphide deposits of Jilin province: Jilin Geology, v. 26, no.2, p.123-144 (in Chinese).
- Gablina, I.F., Rzhavskiy, V.F., and Vasilkovskaya, L.V., 1986, Epigenetical ore-controlling zonation of Graviiskoye copper deposit, in Genesis of Stratiform Rare-Metal and Lead-Zinc Deposits: Nauka, Moscow, p. 147-168 (in Russian).
- Galkin, M.A., 1969, Mercury formation of Yakutia, in Structure of the Earth's Crust in Yakutia and Regularities in the Distribution of Economic Minerals: Nauka, Moscow, p. 302-308 (in Russian).
- Gamyanin, G.N., 1978, Barite-polymetallic formation of eastern Yakutia, in New Data on Geology of Ore Deposits in Eastern Yakutia: Yakutian Institute of Geology, U.S.S.R. Academy of Sciences, Yakutsk, p. 56-71 (in Russian).
- Gamyanin, G.N., Silichev, I., Goryachev, N.A., and Belozertseva, N.V., 1985, A polyformational gold deposit: Geology of Ore Deposits, no. 5, p. 86-89 (in Russian).
- Gamyanin, G.N., and Goryachev, N.A., 1988, Near-surface mineralization of eastern Yakutia: Pacific Ocean Geology, no. 2, p. 82-89 (in Russian).
- Gamyanin, G.N., Anikina, E.Yu., Bortnikov, N.S., Alpatov, V.V., Borisenko, A.S., and Nosik, L.P., 1998, The Prognostic silver-polymetallic deposit: mineralogical-geochemical features and genesis: Geology of Ore Deposits, v. 40, no. 5, p. 440-458 (in Russian).
- Ganbaatar, T., 1999, Gypsum deposits in Mongolia: Mongolian Geosudlaach, no. 3, p. 40-52 (in Mongolian).
- Garbuzov S.P., Sedykh, A.N., and Tarasov, G.A., 1987, The Nikolaevsky volcano-tectonic depression, Primorye, in Geology, Skarns, and Ore: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, 184 p. (in Russian).
- Gaskov, I.V., Distanov, E.G., Kalugin, I.A., and Tikunov, Yu.V., 1999, Metallogenic specialization and petrochemical peculiarities of Devonian volcanism of Rudny and Gorny Altai: Geology and Geophysics, v. 40, no.5, p. 703-715 (in Russian).
- Gaskov, I.V., Distanov, E.G., Mironova, N.Yu., and Chekallin, V.M., 1991, Pyrite-polymetallic deposits of late Devonian of northwestern Rudny Altai: Nauka, Novosibirsk, 120 p. (in Russian).
- Gavrilova, S.P., 1979, Features of Devonian and Permian orogenic magmatism in western Mongolia: Geology and magmatism of Mongolia: Nauka, Moscow, p. 78-95 (in Russian).
- Gavrilova, S.P., Maximyk, I.E., and Orolmaa, D., 1984, Features of magmatism and composition of ore of Erdenetiin ovoo copper-molybdenum deposit, in Endogenic Ore-Formations of Mongolia: Nauka, Moscow, p. 101-105 (in Russian).
- Gavrilova, S.P., Maximyk, I.E., and Orolmaa, D., 1989, The Erdenetiin ovoo molybdenum-copper porphyritic deposit, Mongolian People's Republic: Institute of Geochemistry of Rare Element Deposits, U.S.S.R. Academy of Sciences, Moscow, 40 p. (in Russian).
- Genkin, A.D., Lopatin, V.A., Savel'eva, R.V., and others, 1994, Gold ores of Olimpiada deposit (Enisey Ridge, Siberia): Geology of Ore Deposits, v. 36, no. 2, p. 111-136 (in Russian).
- Geological Map of Mongolia, 1999, Mongolian Academy of Sciences, Institute of Geology and Mineral Resources, and Mineral Resources Authority of Mongolia, explanation, 47 p. (in Mongolian and English).
- Geology and mineral resources of Mongolia, 1999, Atlas of Mineral Resources of the ESCAP Region, v. 14: United Nations, New York, 192 p.
- Gerasimov, N.S., Rodionov, S.M., and Kompanichenko, V.N., 1990, Results of Rb-Sr dating of tin granites of Central Sikhotealin: U.S.S.R. Academy of Sciences Reports, v. 312, no. 5, p. 1183-1186 (in Russian).
- Gerel, O., 1990, Petrology, geochemistry and mineralization of subalkaline Mesozoic magmatism in Mongolia: Summary of D.Sc. dissertation, Institute of Geochemistry, Russian Academy of Sciences, Irkutsk, 30 p. (in Russian).
- Gerel, O., 1995, Mineral Resources of the western part of the Mongol-Okhotsk foldbelt. Resource Geology Special Issue, no. 18. p.151-157.
- Gerel, O., 1998, East Asian Mesozoic intraplate magmatism and metallogeny: Mongolian Geoscientist. no.10, p. 86-89.
- Gerel, O., 1998, Phanerozoic felsic magmatism and related mineralization in Mongolia: Geological Survey of Japan Bulletin, v. 49, p. 239-248.
- Gerel, O., Kanisawa, S., and Ishikawa, K., 1999, Petrological characteristics of granites from the Avdrant and Janchivlan plutons, Khentey Range, Central Mongolia, in Problems of Geodynamics and Metallogeny of Mongolia: Institute of Geology and Mineral Resources, Mongolian Academy of Sciences, Ulaanbaatar, Transactions, v. 13, p. 34-39.
- Gerel, O., Kolyar, B., Cluer, K., Enkhtuvshin, Kh., and Blod-Erdene, B., 1999, Geology and gold mineralization in Khentey range: Mongolian Geoscientist. Special Issue IGSEA., no.14. p.107-110.
- Gerel, O., Koval, P.V., and Tsenden, Ts., 1984, Geochemistry of late Paleozoic porphyritic intrusive of Erdenet area [abs]: Conference on Geochemistry and Geochemical Exploration Method of Ore Deposits, Abstracts, p.37-38 (in Russian).
- Getmanskaya, T.I., and Chernov, B.S., 1976, Tin-tungsten formation, in Conditions of Formation and Criteria for Exploration of Economic Wolframite Deposits of TransBaikal: U.S.S.R. Institute of Raw Materials, Moscow, p. 68-131 (in Russian).
- Galkin, G.A., 1969, Position of mica-bearing zones in granite-pegmatite bodies (Sogdiondonsky deposit): Leningrad Mining Institute Proceedings, no. 1, p. 78-92 (in Russian).

- Gladkov, N.A., Ivasko, Yu.I., Rosenfarb, I.A., and Shupikov, V.G., 1969, Geophysical methods in prospecting and exploration of ore deposits in the Salair Range, *in* Problems of Ore Geophysics of Siberia: Transactions of Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy of Raw Materials, Novosibirsk, v. 92, p. 95-103 (in Russian).
- Glazunov, O.M., 1961, Lysansk gabbro-pyroxenite-serpentine complex in the western part of East Sayan: *Geology and Geophysics*, no.3, p. 61-73 (in Russian).
- Glazunov, O.M., 1975, Geochemistry and petrology of gabbro-pyroxenite association of Eastern Sayan: Nauka, Novosibirsk, 202 p. (in Russian).
- Glebov, M.P., 1971, Distribution pattern of trace elements in the minerals of muscovite pegmatites of the Gutaro-Biryusa region, *in* Geochemistry of Pegmatites of Eastern Sayans: Nauka, Moscow, p. 112-133 (in Russian).
- Glebov, M.P., and Shmakin, B.M., 1969, Geochemical features of muscovite pegmatites of Gutaro-Biryusa region: Annual Issue of the Institute of Geochemistry, Siberian Branch, Russian Academy of Sciences, Irkutsk, p. 137-141 (in Russian).
- Glotov, A.I., and Krivenko, A.P., 1990, Permian-Triassic gabbroids of Novosibirsk Priobye, *in* Cu-Ni-Bearing Gabbroid Formations of Siberian Folded Regions: Nauka, Novosibirsk, p. 146-172 (in Russian).
- Goldenberg, V.I., Sanjaadorj, J., and others, 1978, Result of 1:200,000 scale geological mapping and general prospecting carried out in South Govi area: Geological Information Center, Mongolia, Open-File Report 2724 (in Russian).
- Golovko, V.A., and Nasedkina, V.Kh., 1982, Composition and genesis of manganese ores in Porozhinskoye deposit, *in* Geology and Geochemistry of Manganese: Nauka, Moscow, p. 104-109 (in Russian).
- Golubev, B.B., 1959, Iron-quartzite deposits in Tuva as possible source of iron-ores: All-Soviet Union Geological Research Institute Transactions, Leningrad, no. 22, p. 83-90 (in Russian).
- Gonevchuk, V.G. and Gonevchuk, G.A., 1991, On magmatic factors of the coincidence of tin-tungsten and molybdenum mineralization in the Tigrinoye deposit (Primorye) *in* Khomich, V.G., ed., Relationships between Different Deposit Types in Volcanic-Plutonic Belts of the Asia-Pacific Juncture Zone: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, p.111-120 (in Russian).
- Gonevchuk, V.G., Korkorin, A.M., and Popovichenko, V., 1998, The Kavalerovo ore district: *in* Seltman, R., Gonevchuk, G., and Khanchuk, A., eds., International Field Conference in Vladivostok, Russia, September 1998: GeoForschungsZentrumPotsdam (GFZ), Potsdam, p.51-76.
- Gonevchuk, V.G., Semenyak, B.I., and Ishikharu, S., 1998, Age of tin greisens of Primorye and other questions of tin mineralization in Russia: *Geology of Ore Deposits*, v. 40, no. 4, p. 326-335 (in Russian).
- Gongalsky, B.I., Krivolutsky, N.A., and Goleva, N.G., 1995, Deposits of Chiney massif, *in* Laverov N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 20-28 (in Russian).
- Gordienko, I.V., 1987, Paleozoic magmatism and geodynamics of Central-Asian fold belt: Nauka, Moscow, 238 p.
- Gorelov, G.F., Guzman, A.G., Kalugin, I.A., Kassandrov, E.G., Lapukhov, A.S., Lidin, N.S., Mazurov, M.P., Marnich, V.A., and Tretyakov, G.A., 1984, The Chara-Tokko siliceous-iron ore formation: Nauka, Novosibirsk, 160 p. (in Russian).
- Gorokhov, I.M., Dook, V.L., Kitsul, V.I., and others, 1981, Rb-Sr systems of polymetamorphic complexes in the central part of the Aldan crystalline massif. Transactions, U.S.S.R. Academy of Sciences, Geology Series, no. 8, p. 5-16 (in Russian).
- Gorshkov, G.V., 1994, Dorozhinskoye deposit of manganese ores: *Russian Geology*, no.10, p. 58-61 (in Russian).
- Goryachev, N.A., 1998, Geology of Mesozoic gold-quartz vein belts of northeast Asia. Magadan: Northeast Scientific Research Center, Far East Branch, Russian Academy of Sciences, 210 p. (in Russian).
- Gorzhevsky D.I. and Fogelman N.A., eds, 1970, Geology and distribution pattern of endogenous deposits of Transbaikalia: Nedra, Moscow, p. 232 (in Russian).
- Gottesman, V., 1978, Granitoids of the Boroo-Zuunmod gold-bearing district: Khaiguulchin, no. 4, p. 26-32 (in Mongolian).
- Govorov, I.N., 1977, Geochemistry of Primorye ore districts: Nauka, Moscow, 251 p. (in Russian).
- Grebennikov, A.M., 1995, Orlovsky tantalum deposit, *in* Laverov, N.P. ed., Deposits of Transbaikalia, v. 1, book 2: GeoInformMark, Chita-Moscow, p. 96-107 (in Russian).
- Grechishchev, O.K., Obolenskiy, A.A., Borisenko, A.S., and Shcherbakov, Yu, G., 1997, Problems of formation of the Ulug-Tanzek rare-metal deposit (Tuva): *Mineral Deposits*, Baikema, Rotterdam, p. 629-632.
- Gridasova, T.P., and others, 1960, Results of detailed prospecting work in Baytag ore-district: Geologic Information Center, Ulaanbaatar, Mongolia, Open-File Report 1404 (in Russian).
- Dejima, Gunchungiin, and Naito, Kazuki, 1998, Previous studies on the Erdenetiin ovoo porphyry copper-molybdenum deposit, Mongolia: *Geological Survey of Japan Bulletin*, v. 49, p.299-308.
- Guild, P.W., 1978, Metallogenic maps; principles and progress: *Global Tectonics and Metallogeny*, v. 1, no. 10, p. 10-15.
- Gurevich, B.G., 1968, Peculiarities of structure and substance composition of phosphoritic series of Tamalykskoye deposit: Siberian Research Geological, Geophysical and Mineral Resources Institute Transactions, Novosibirsk, no. 68, 112 p. (in Russian).
- Gurinova, E.I., 1964, Problems of pillow-lava formation and connecting island spar deposits in the Tungussk basin: Summary of Ph.D. thesis, All-Russia Scientific and Research Institute of Mineral Raw Materials, Moscow, 46 p. (in Russian).
- Gurov, L.P., 1978, The relation of gold mineralization with upper Mesozoic magmatism, *in* Radkevich, E.A., ed., Gold Mineralization of Primorye: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, p. 3-10 (in Russian).
- Gusev, G.S., and Khain, V.E., 1995, On relationship of the Baikal-Vitim, Aldan-Stanovoy, and Mongol-Okhotsk terranes (southern middle Siberia): *Geotectonics*, Moscow, no. 5, p. 68-82 (in Russian).
- Gvozdev, V.I., ed., 1984, Mineral assemblages of tin and tungsten deposits in the Russian Far East: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, 125 p.(in Russian).

- Hart, Craig, Goldfarb, R.J., Qiu, Yumin, and others, 2002, Gold deposits of the northern margin of the North China Craton: Multiple late Paleozoic-Mesozoic mineralizing events: *Mineralium Deposita*, v. 37, p. 326-351.
- Höll R., Borisenko, A., Obolenskiy, A., Grechistchev, O., and Shcherbakov, Yu., 2000, Sn and Ta granitoid-related ore-magmatic systems: Deputatskiy and Ulyg-Tanzek deposits, Russia, *in Ore-Bearing Granites of Russia and Adjacent Countries: Institute of Mineralogy, Geochemistry and Crystal Chemistry of Rare Elements*, Moscow p. 127-143.
- Howell, D.G., Jones, D.L., and Schermer, E.R., 1985, Tectonostratigraphic terranes of the Circum-Pacific region: Principles of terrane analysis, *in Howell, D.G., ed., Tectonostratigraphic Terranes of the Circum-Pacific Region: Circum-Pacific Council for Energy and Mineral Resources*, Houston, Texas, p. 3-31.
- Hu, Guiming, Wang, Shanlun, and Xie, Kunyi, 1998, Terrane tectonics and metallogenetic the north China Platform: Geological Publishing House, Beijing, p. 253 (in Chinese)
- Hu, Shaokang, Yan, Hongquan, Ye, Mao, and others, 1998, Metallogenetic focus-area of superlarge mineral deposits in bordering zones between, China, Russia and Mongolia: *Science in China Press*, Beijing, series D., v. 41, p. 28-36 (in Chinese).
- Hwang, D.H., 1997, Metallogeny, Geochemistry and Mineral Exploration of Wondong Mine Area in Taebaegsan mineralized province, Korea: Kyungpook National University, p. 1-17 (in Korean).
- Hwang, I.C., 1963, Report on the Iron Ulsan Mine: Geological Survey of Korea Bulletin 6, p. 25-54 (in Korean).
- Hwang, I.C., and Choi, C.I., 1961, Report on the Investigation of the Sungnam Placer Deposit: Geological Survey of Korea Bulletin 4, p. 78-115 (in Korean).
- Hwang, I.C., and Kim, K.W., 1962, Report on the Mulkum Iron Mine: Geological Survey of Korea Bulletin 5, p. 3-42 (in Korean).
- Ibaraki, K., and Suzuki, R., 1993, Gold-silver quartz-adularia veins of the Main, Yamada and Sanjin deposits, Hishikari gold mine: A comparative study of their geology and ore deposits: *Resource Geology Special Issue*, no. 14, p. 1-11.
- Ignatovich, V.I., and Scheglov, A.D., 1968, Tungsten-molybdenum deposits of Pribaikalia and Vitim lowland, *in Geology of the U.S.S.R.: Nedra, Moscow*, v. 35, part 2, p. 114-131 (in Russian).
- Il'in, V.A., Khalilov, V.A., and Kozlov, M.C., 1994, Age of Alakha stock in Gorny Altai according to U-Pb and Rb-Sr data: *Geology and Geophysics*, v. 35, no.1, p. 79-81 (in Russian).
- Il'ina, N.S., 1958, Geology and genesis of Bokson bauxites in Eastern Sayan, *in Bauxites, Their Mineralogy and Genesis: U.S.S.R. Academy of Sciences*, Moscow, p. 267-281 (in Russian).
- Ilyn, A.B., 1973, Chubsugul phosphate-bearing basin: *Nauka, Moscow*, 167 p. (in Russian).
- Ilyn, A.B., 1982, Geological evolution in South Sibiri and Mongolia in the late Pre-cambrian: *Nauka, Moscow*, 116 p. (in Russian).
- Ilyn, A.V., 1983, Geological evolution of East Sibiry and mongolia in upper Precambrian: *Nauka, Moscow*, 114 p. (in Russian).
- Indolev, L.N., and Nevoisa, G.G., 1974, Silver-lead deposits of Yakutia: *Nauka, Novosibirsk*, 252 p. (in Russian).
- Indolev, L.N., Zhdanov, Yu.Ya., and Supletsov, V.M., 1980, Antimony mineralization of the Verkhoyansk-Kolyma province: *Nauka, Novosibirsk*, 230 p. (in Russian).
- Ioganson, A.K., 1988, Geology of the Kurpandzha ore field and environment of formation of copper mineralization in Yakutia, *in Stratiform Mineralization of Yakutia. Yakutian Institute of Geology, U.S.S.R. Academy of Sciences, Yakutsk*, p. 87-98 (in Russian).
- Ishihara, S., 1978, Metallogenesis in the Japanese island arc: *Journal Geological Society London*, v. 135, p. 389-406.
- Ishihara, S., Sasaki, A., and Sato, K., 1992, Metallogenic map of Japan, plutonism and mineralization (2): Geological Survey of Japan, Cretaceous-Tertiary Map Series, scale 1:2,000,000.
- Itsikson, M.I., 1973, Metallogeny of planetary volcanogenic belts of Circum-Pacific: Evolution of volcanism in Earth's history: *Nauka, Moscow*, p. 230-232 (in Russian).
- Itsikson, M.I., 1979, Metallogenic zoning of Circum-Pacific: *Nauka, Moscow*, 232 p. (in Russian).
- Itsikson, M.I., Krasny, L.I., and Matveenko, V.T., 1965, Volcanic belts of Circum-Pacific and their metallogeny, *in Ore-Bearing Capacity of Volcanogenic Formations: Nedra, Moscow*, p.181-196 (in Russian).
- Ivankin, P.F., and Sokolova, N.I., 1969, Morphology and zonation of Teiskaja ore-magmatic system, *in Geologic-Geochemical and Morphological Peculiarities of Magmatogene Ore Deposits of Altai-Sayan Region: Siberian Research, Institute of Geology, Geophysics, and Mineral Resources, Transactions, Novosibirsk no. 104*, p. 14-25 (in Russian).
- Ivanov, A.I., Livshyts, V.I., Perevalov, O.V., and others, 1995, Precambrian of the Patom highland: *Nedra, Moscow*, 353 p. (in Russian).
- Ivanov, A.I., Rozhok, S.N., Strakhova, T.M., and Yakovlev, V.P., 1981, New iron ore region of East Siberia, *in Conference on Precambrian Metallogeny [abs.]: Irkutsk Polytechnic Institute, Irkutsk*, p. 247-248 (in Russian).
- Ivanov, A.I., and Ryazanov, G.V., 1992, Structural-kinematic analysis of Patom trough: *Nauka, Novosibirsk*, 88 p. (in Russian).
- Ivanov, M.K., Ivanova, T.K., Tarasov, A.V., and Shatkov, V.A., 1971, Peculiarities of petrology and ore mineralization of differentiated intrusions of Norilsk ore cluster (Norilsk-I, Norilsk-II, Chernaya Gora deposits), *in Petrology and Ore-Bearing of Talnakh and Norilsk Differentiated Intrusions: Nedra, Leningrad*, p. 197-304 (in Russian).
- Ivanov, O.N., Zinkov, A.V., and Taskaev, V.I., 1989, Mineralogy of Late Paleogene gold-silver deposits of lower Amur region, *in Khomich, V.G., ed., Mineral Types of Ore Deposits in Volcanic Belts and Activation Zones of North-East Asia: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok*, p. 87-89 (in Russian).
- Ivanova, G.F., 1976, Mineralogy and geochemistry of tungsten mineralization in Mongolia: *Nauka, Moscow*, 259 p. (in Russian).
- Ivensen, Yu.P., Amuzinskiy, V.A., and Nevoisa, G.G., 1975, Structure, formation history, magmatism, and metallogeny of the northern Verkhoyansk folded zone: *Nauka, Novosibirsk*, 322 p. (in Russian).

- Iwasaki, C., 1912, The metallogeny of the Japanese Islands: *Journal of College of Science, Tokyo Imperial University*, v. 32, p. 1-23 (in Japanese).
- Izawa, E., Kurihara, M., and Itaya, T., 1993, K-Ar ages and the initial Ar isotopic ratio of adularia-quartz veins from the Hishikari gold deposit, Japan: *Resources Geology Special Issue*, no. 14, p. 63-69.
- Izawa, E. and Urashima, Y., 1989, Quaternary gold mineralization and its geologic environments in Kyushu, Japan: *Economic Geology Monograph* no. 6, p. 233-241.
- Izoh, A.E., Polyakov, G.V., and Krivenko, A.P., 1984, Apatite-ilmenite-titanium magnetite mineralization in intrusions of gabbro-anorthosite formation in western Mongolia, *in Ore-Formations of Mongolia: Nauka, Moscow*, p. 144-152 (in Russian).
- Izokh, A.E., Polyakov, G.V., and others, 1990, The gabbro formations of western Mongolia: *Nauka, Novosibirsk*, 269 p. (in Russian).
- Jahn, B.M., Gruau, G., Darnard-Griffiths, I., and others, 1990, The Aldan shield, Siberia: Geochemical characteristics, ages, petrogenesis, and comparison with the Sino-Korean craton [abs.]: *Third International Archean Symposium Perth, Extended Abstracts*, p. 179-182.
- Jargalsaihan, D., Kaziner, M., Baras, Z., and Sanjaadorj, D., 1996, Guide to the mineral resources of Mongolia: *Geological Exploration, Consulting and Services Co., Ulaanbaatar*, 329 p.
- Jiang, Rong, and others, 1987, Stratigraphic horizons, genesis, distribution regularity and ore prospecting directions for bauxite deposits in China: *Institute of Mineral Deposits Bulletin, Chinese Academy of Geological Sciences*, v. 1, no.19, p. 3-22 (in Chinese).
- Jones, D.L., Howell, D.G., Coney, P.J., and Monger, J.W.H., 1983, Recognition, character, and analysis of tectonostratigraphic terranes in western North America, *in Hashimoto, M., and Uyeda, S., eds., Accretion Tectonics in the Circum-Pacific Regions, Proceedings of the Oji International Seminar on Accretion Tectonics, Japan, 1981: Advances in Earth and Planetary Sciences, Tokyo, Terra Scientific Publishing Company*, p. 21-35.
- Jurgenson, G.A., and Grabeklis, R.B., 1995, Baley ore field, *in Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 2: GeoInformMark, Chita-Moscow*, p. 19-32 (in Russian).
- Kachalo, I.P., Aladyshkin, A.S., Savchenko, A.A., and Fedotova, V.M., 1976, Perspectives of fluospar deposit exploration in the central and eastern regions of Altai-Sayan folded area, *in Petrov, V.P., ed., Fluorite: Nauka, Moscow*, p. 122-133 (in Russian).
- Kadensky, A.A., 1960, Magnetite mineralization of the Sutam district, *in Iron Ores of Southern Yakutia: Publishing Company U.S.S.R. Academy of Sciences, Moscow*, p. 225-244 (in Russian).
- Kalugin, A.S., 1961, Study on structural control of thicknesses, grade, resources and relationships between gangue and ore minerals for the Kalguta rare-metals ore deposit, *in Materials on Geology and Mineral Resources of Siberia: State Geological and Technical Literature Publishing House, Moscow*, p. 31-38 (in Russian).
- Kalugin, A.S., Kalugina, T.S., Ivanov, V.J., and others, 1981, Iron-ore deposits of Siberia: *Nauka, Novosibirsk*, 238 p. (in Russian).
- Kalugin, A.S., Kalugina, T.S., Kassandrov, E.G., and others, 1974, Development of geological-geophysical prospecting of iron-ore in Altai region, *in New Data on Ore Deposits Geology of Siberia: United Institute of Geology and Geophysics Transactions, Siberian Branch, Russian Academy of Sciences, Novosibirsk*, no. 198, p. 7-12 (in Russian).
- Kalugin, I.A., 1985, Metamorphism of volcanogenic-sedimentary iron-ores: *Nauka, Novosibirsk*, 148 p. (in Russian).
- Kalugin, I.A., 1976, Metamorphism and metasomatism of iron-ores in Kholzunskoye deposit, Altai: *Nauka, Novosibirsk*, 101 p. (in Russian).
- Kandinov, M.N., and Dobrolyubov, V.A., 1984, Distribution regulations and preconditions of fluorite mineralization in the eastern and central Mongolia: *Geology and Mineral Resources of Mongolian Peoples' Republic*, v. II.: *Nedra, Moscow*, p. 165-176. (in Russian).
- Karsakov, L.P., and Romanov, B.I., 1976, The Kolchedannyy Utyos gold ore deposit, *in Genetic Types and Regularity in the Distribution of Gold Deposits in the Far East: Nauka, Novosibirsk*, p. 118-121 (in Russian).
- Kasandrov, E.G., and Zaporozhskiy, E.F., 1970, Kholzunskoye ore deposit: *United Institute of Geology and Geophysics Transactions, Siberian Branch, Russian Academy of Sciences, Novosibirsk*, no. 96, p. 156-161 (in Russian).
- Kashtanov, V.A., 1990, Geology and mineralogy of sedimentary cover of Near-Enisey baikalides: *Nauka, Novosibirsk*, 190 p. (in Russian).
- Kavardin, G.I., Golubkov, V.S., Ivanova, A.M., and Staricina, G.N., 1967, Metallogenic zonation of Enisey nickel-bearing province: *Institute of Arctic Geology Transactions, Leningrad*, no. 11, p. 43-137 (in Russian).
- Kavardin, G.I., 1976, Metallogeny of NW of Siberian Platform: *Nedra, Leningrad*, 159 p. (in Russian).
- Kavitskiy, M.L., Mkrytchan, A.K., Storozhenko, A.A., and Ustalov, V.V., 1980, Porozhinskoye manganese ore deposit: *Prospecting and Mineral Resources Protection*, no. 3, p. 13-16 (in Russian).
- Kazansky, V.I., 1972, Ore-bearing tectonic structures of activation zones: *Nedra, Moscow*, 240 p. (in Russian).
- Kazarinov, A.I., 1969, Genesis of the Kuranakh-type gold ore deposits, *in Gold Ore Formations of the Far East: Nauka, Moscow*, p. 125-135 (in Russian).
- Kazarinov, V.P., and Krasilnikova, I.A., eds., 1972, Phosphorite-bearing formations of South Siberia: *Krasnoyarsk Publishing House, Krasnoyarsk*, 223 p. (in Russian).
- Kempe, U., Dandar, S., Getmanskaya, T.I., and Wolf, D., 1994, Tungsten-antimony mineralization (focused on new occurrences in the Mongolian Altai), *in Metallogeny of Collisional Orogens: Czech Geological Survey, Prague*. p.301-308 (in Czech).

- Kepejinskas, V.V., and Luchitskii, I.V., 1973, The Permian volcanic association of central Mongolia, *in* Associations of Volcanic Rock, Stratigraphic Position, and Composition, Mongolian People's Republic: Nauka, Moscow, 71-93 (in Russian).
- Kepejinskas, V.V., and Luchitskii, I.V. 1974, Continental volcanic associations of central Mongolia: Nauka, Moscow, 72 p. (in Russian).
- Ke-Zhang, Qin, Zhi-Tain, Wang and Long-Ju, Pan, 1995, Magmatism and metallogenic systematics of the southern Ergun Mo, Cu, Pb, Zn and Ag Belt, Inner Mongolia, China: Resource Geology Special Issue, no. 18. 1995, 159-169.
- Khanchuk, A.I., and Ivanov, V.V., 1999a, Mesozoic-Cenozoic geodynamic environments and gold mineralization of the Russian Far East: Geology and Geophysics, 1999, v. 40, no. 11, p. 1635-1645 (in Russian).
- Khanchuk, A.I., and Ivanov, V.V., 1999b, Mesozoic-Cenozoic geodynamics of East Russia and gold mineralization: Geodynamics and Metallogeny, Dalnauka, Vladivostok, 1999, p. 7-30 (in Russian).
- Khanchuk, A.I., Gonevchuk V.G., and Simanenko, V., 1998, The Primorye region - the southern Sikhote-Alin accretionary fold system: geology and metallogeny, *in* Seltmann, R., Gonevchuk, G., and Khanchuk, A., eds. International Field Conference in Vladivostok, Russia, September 1998: GeoForschungsZentrum Potsdam (GFZ), p. 1-8.
- Khanchuk, A.I., Ratkin, V.V., Ryazantseva, M.D., Golozubov, V.V., and Gonokhova, N.B., 1996, Geology and mineral deposits of Primorsky Krai (territory): Far East Branch Geological Institute, Russian Academy of Sciences, Dalnauka, Vladivostok, 61 p.(in Russian).
- Khanchuk, A.I., 1993, Geology setting and evolution of the northwest Pacific continental framework: Summary of Ph.D. dissertation, Russian Academy of Sciences, Geological Institute, Moscow, 31 p. (in Russian).
- Khar'kiv, A.D., Zinchuk, N.N., and Zuev, V.M., 1997, The history of diamonds: Nedra, Moscow, 601 p. (in Russian).
- Khasin, R.A., 1977, Rare metals, *in* Geology of Mongolian People's Republic, v. III (Mineral Resources): Nauka, Moscow, p. 270-435 (in Russian).
- Khasin, R.A., Marinov, N.A., Khurts, Ch., and Yakimov, L.I., 1977, Copper-molybdenum deposits - Erdenetiin Ovoo in northern Mongolia: Geology of Ore Deposits, no.6, p.3-15. (in Russian).
- Khasin, R.A. 1971, Major features of evolution of magmatism in Mongolia, *in* Magmatism and Metallogenesis of Mongolian People's Republic: Nedra, Moscow, v. 4, p.7-10. (in Russian).
- Khazagarov, A.M., 1968, Zonation of gold-ore mineralization in contact zones of the Olkhovsk intrusive massive, *in* Morphogenesis and Zonation of Intrusives and Associated Gold, Iron, and Polymetallic Deposits of Siberia: Siberian Research, Geological, Institute of Geology, Geophysics, Mineral Resources, Novosibirsk, p. 141-144 (in Russian).
- Khazagarov, A.M., 1963, Some peculiarities of gold ore localization at the Olkhovskoye ore field (East Saján): Geology of Ore Deposits, no. 3, p. 92-96 (in Russian).
- Khetchikov, L.N., Govorov, I.N., Pakhomova, V.A., and others, 1992, New data on genesis of lithium-fluorite granite of the Khanka medium massif: U.S.S.R. Academy of Sciences Transactions, v. 322, no.6, p. 1121-1127 (in Russian).
- Khil'tova, V.Ya., Vrevskiy, A.B, Lobach-Zhuchenko, S.B., and others, 1988, Precambrian geology of the U.S.S.R.: Nauka, Leningrad, 455 p. (in Russian).
- Khlebnikov, A.Ya., 1971, Tectonic composition of the Chadobetski Uplift, *in* Geology and Mineral Recourses of Krasnoyarsk region: U.S.S.R. Academy of Sciences, Krasnoyarsk, p. 148-154 (in Russian).
- Khodanovich, P.Yu., 1995, Dzhida ore field, *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 149-163 (in Russian).
- Khodanovich, P.Yu., 1995, Malo-Oinogor deposit, *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 164-169 (in Russian).
- Khomich V.G., 1990, Control of shallow-depth mineralization by injection structures: U.S.S.R. Academy of Sciences Transactions, v. 315, no. 3, p. 694-699 (in Russian).
- Khomich, V.G., Vanenko, V.A., Sorokin, A.P., Shikhanov, V.V., and Lushchei, A.A., 1978, Hydrothermal-metasomatic and explosive rocks of the Pokrovsky gold deposit, *in* Mironuk, A.P., ed., New Data on Mineral Resources of the Central Baikal-Amur Railroad Zone: U.S.S.R. Academy of Sciences, Far East Geological Institute, Blagoveshchensk, p.119-128 (in Russian).
- Khomich, V.G., Ivanov, V.V., and Fatiyanov, I.I., 1989, Types of gold-silver deposits: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, 292 p. (in Russian).
- Khrapov, A.A. 1977, Fluorite, *in* Geology of Mongolian People's Republic, v. III (Mineral Resources): Nedra, Moscow, p. 493-552. (in Russian).
- Khrenov, P.M., and Rafienko N.I., 1960, On metallogeny of northwestern Transbaikalia: East-Siberian Geological Institute Proceedings, Irkutsk, p. 3-19 (in Russian).
- Kievlenko, E.Ya., 1974, Geology and evaluation of island-spar deposits: Nauka, Moscow, 158 p. (in Russian).
- Kilchichakov, K.M., and Tokunov, V.F., 1971, Gold mineralization in Tapsa-Kaakhem region, *in* Proceedings on Geology of Tuva: Kyzyl Publishing House, Tuva, U.S.S.R., v. 2, p. 104-109 (in Russian).
- Kim, O. J., Yoon, S. K., and Park, N. Y., 1959, Preliminary report on the Yangyang iron deposits: Geological Survey of Korea Bulletin 2, p. 47-74 (in Korean).
- Kim, C.H., and Yun. S.K., 1959, Uranium -bearing crystalline graphite deposit, southeastern Kongju-up area: Geological Survey of Korea Bulletin 2, p. 189-218 (in Korean).
- Kim, J.T., 1965, Report on the Seosan iron ore deposits area: Geological Survey of Korea Bulletin 8, p. 79- 158 (in Korean).
- Kim, J.T., and Shin, J.B., 1966, Investigation report on the Wangpiri cassiterite mine: Geological Survey of Korea. Bulletin 9, p. 115-133 (in Korean).

- Kim, K.W., and Kim, Y.Y., 1962, Report on the Susan limonite and manganese deposits: Geological Survey of Korea Bulletin 5, p. 43-73 (in Korean).
- Kim, O.J., and Park, H.I., 1959, Geology and ore deposits of Sannae nickle mine at Toktongri, Sannae-myon, Namwon-gun, Cholla-pukdo: Geological Survey of Korea Bulletin 2, p. 17-46 (in Korean).
- Kim, S.E., 1964, Report on the Dongjin mine: Geological Survey of Korea Bulletin 7, p. 29-52 (in Korean).
- Kim, S.E., and Kim, Y.D., 1977, Geology and ore deposits of Haman-Gunpuk UNDP airborne anomaly area: Korea Research Institute of Geoscience and Mineral Resources, Report on Geoscience and Mineral Resources, v. 2, p. 5-34 (in Korean).
- Kim, S.E., Oh, I.S., and Lee, I.Y., 1965, Report on investigation of Yomisan zinc deposits: Geological Survey of Korea Bulletin 8, p. 159-204 (in Korean).
- Kim, S.E., and Oh, I.S., 1968, Report on the Kangwon iron deposits: Geological Survey of Korea Bulletin 10, p. 69-92 (in Korean).
- Kim, S.K., and Koh, I.S., 1963, Geology and ore deposits of the Wolak tungsten mine: Geological Survey of Korea Bulletin 6, p. 89-120 (in Korean).
- Kim, W.J., Park, N.Y., Kim, S.E., Oh, I.S., and Lee, I.Y., 1965, Investigative report on the Hongchon-Jaun iron ore deposit: Geological Survey of Korea Bulletin 8, p. 41-78 (in Korean).
- Kinoshita, K., ed., 1961, Mineral Resources of Japan, 9, Kyushu region: Asakura Publishing Co., 695 p. (in Japanese).
- Kiselov, V.Ya., Gubkin, G.N., and Solovyev, N.S., 1986, New type of polymetallic deposits in eastern Mongolia: Geology of Ore Deposits, no. 3, p. 94-99. (in Russian).
- Kislov, E.V., Konnikov, E.G., Posokhov, V.F., and Shalagin, V.L., 1989, Isotope evidence of the crustal contamination in the Ioko-Dovyren massif: Geology and Geophysics, no. 9, p. 140-144.
- Kito, N., 1987, Stratigraphic relation between greenstones and clastic sedimentary rocks in the Kamuikotan Belt, Hokkaido, Japan: Journal of Geological Society of Japan, v. 93, p. 21-35.
- Kleiner, Yu.M., Budkov, L.M., and Kostantinov, N.F. 1977, Refractors, thermoinsulators and diaelectrics: Geology of Mongolian People's Republic, v. III (Mineral Resources): Nedra, Moscow, p. 552-562. (in Russian).
- Kleiner, Yu.M., Budkov, L.M., and Konstantiniv, N.F., 1977, Graphite, *in* Geology of Mongolian People's Republic, v. III (Mineral Resources): Nauka, Moscow, p. 552-558 (in Russian).
- Klimov, N.V., 1979, Mercury, *in* Arkhipov, Yu.V., and Frumkin, I.M., eds. Geology of U.S.S.R., Mineral Deposits: Nedra, Moscow, p. 249-259 (in Russian).
- Klyushkina, A.M., Prusevich, A.M., and Skobelev, Yu.D., 1963, Kiya-Shaltyr alkali gabbroic pluton, *in* Materials on Geology of West Siberia: State Geological and Technical Literature Publishing House, Moscow, p. 46-77 (in Russian).
- Komov, I.L., 1969, Geological structure, ore composition, and genesis of Enashiminskoye magnetite deposit, Enisey Ridge: News of High Schools, Geology and Prospecting, no. 3, p. 91-96 (in Russian).
- Komarov, Yu.V., Kopylov, E.N., Belogolovkin, A.A., others, eds., 1978, Tin mineralization of the Turka-Vitim deep-seated fault in Western Trans-Baikal: Nauka, Novosibirsk, 93. p. (in Russian).
- Konev, A.A., 1970, Zhidoy alkaline-ultrabasic pluton: Nauka, Moscow, 84 p. (in Russian).
- Konev, A.A., Vorobjov, E.I., and Lazebnik, K.A., 1996, Mineralogy of the Murun alkaline massif: United Institute of Geology, Geophysics and Mineralogy, Novosibirsk, 220 p. (in Russian).
- Kong, Qinshun, 1994, Plate tectonics and the relevant deposits in Altay, Xinjing, *in* Xinjiang, Rui Xingjian, ed. Treatises on Gold Deposits in Altay: Geological Publishing House, Beijing, p. 247-253 (in Chinese).
- Kormilitsyn, V.S., and Ivanova, A.A., 1968, Shirokinsky ore field and metallurgy of eastern Transbaikalia: Nedra, Moscow, 1,976 p. (in Russian).
- Konnikov, E.G., Gibsher, A.S., Izoh, A.E., Sklyarov, E.V., and Khain, E.V., 1994, Late Proterozoic evolution of the northern segment of the Paleoasian Ocean: new radiological and geochemical data: Geology and Geophysics, v. 35, no.7-8. p. 152-168 (in Russian).
- Kononov, A.N., 1969, Yaloman granodiorite adamellite complex of the central part of Gorny Altai: U.S.S.R. Academy of Sciences Publishing House, Krasnoyarsk 163 p. (in Russian).
- Kononova, V.A., 1961, Urtite-ijolite intrusions of southeast Tuva and some questions about genesis: Transactions of Institute of Ore Deposits Mineralogy, Petrography and Geochemistry, U.S.S.R. Academy of Sciences Press, Moscow, no. 90, 109 p. (in Russian).
- Kononova, V.A., 1962, Primary layering in Bajankol hedenbergite-nepheline syenite intrusion, *in* Alkali Rocks of Siberia: U.S.S.R. Academy of Sciences Press, Moscow, p. 39-70 (in Russian).
- Konovalov, I.V., 1985, Conditions of formation of gold ore metamorphic-hydrothermal mineralization (Eastern Siberia): Nauka, Novosibirsk, 97 p. (in Russian).
- Konstantinov, M.M., Kosovets, T.N., Orlova, G.Yu., Shchitova, V.I., Zhidkov, S.N., and Slezko, V.A., 1988, Control of localization of gold-quartz stratiform mineralization: Geology of Ore Deposits, no. 5, p. 59-69 (in Russian).
- Konyshev, V.O., Zhidkov, N.A., and Stepanov, V.A., 1993, Gold mercury deposits in Yakutia: Kolyma, v. 3, p. 11-15 (in Russian).
- Koo, J.H., Lee, T.S., and Chung H.O., 1977, Report of geophysical survey for uranium deposits over Chubu tunnel area, Samgoe coal mine area and Soryong coal mine area: Korea Research Institute of Geoscience and Mineral Resources Report on Geoscience and Mineral Resources, v. 1, p. 127-167. (in Korean).
- Koo, M.O., and Kim, K.D., 1966, Geology and mineral deposits of the Chilbo tungsten mine: Geological Survey of Korea Bulletin 9, p. 98-114 (in Korean).
- Kormilitsyn, V.S., 1973, Ore formations and processes of ore formation (as exemplified in Transbaikalia): Nedra, Leningrad, 328 p. (in Russian).

- Kornev, T.Ya., Kachevskaya, G.I., Kachevskiy, L.K., Dacenko, V.M., Nozhkin, A.D., Kovrigina, E.K., Storozhenko, A.A., Vasil'ev, V.F., Diner, A.E., Kristin, B.N., Zablotskiy, R.A., and Celykovskiy, A.F., 1996, Correlation scheme of magmatic and metamorphic complexes of the Yenisey Ridge: Transactions of Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy of Raw Materials, Russian Academy of Sciences, Novosibirsk, 35 p. (in Russian).
- Kornev, T.Ya., Dacenko, V.M., and Bozin, A.V., 1974, Riphean magmatism and pyrite polymetallic ore mineralization of Yenisey Ridge: Nedra, Moscow, 131 p. (in Russian).
- Kornev, T.Ya., 1985, Structural control of iron-ore, manganese and base-metal mineralization of Yenisey Ridge: U.S.S.R. Academy of Sciences Transactions, v. 284, no. 5, p. 1187-1191 (in Russian).
- Korobeinikov, A.F. and Macushevskiy, A.V., 1976, Au in intrusive and contact-metasomatic rocks of Tardan skarn field in the Tuva region: Geochemistry, no. 9, p. 1409-1416 (in Russian).
- Korobeinikov, A.F., Voroshilov, V.G., Pshenichkin, A.Ya., Zykov, Yu.A., and Kolpakova, N.A., 1997, Pt content in deposits of Au-skarn ore formation: Ores and Metals, no. 3, p. 39-49 (in Russian).
- Korostelev, P.G., Gonevchuk, V.G., Gonevchuk, G.A., and others, 1990, Mineral assemblages of a greisen tungsten-tin deposit (Primorye), in Gvozdev, V.I., ed., Mineral Assemblages of Tin and Tungsten Deposits in the Russian Far East: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, p. 17-61 (in Russian).
- Korotaev, V.V., Divina, L.V., Vinogradov, B.K., and others, 1986, Egitinsky fluorite deposit, in Geology and Genesis of Fluorite Deposits: Far East Geological Institute, Vladivostok, p. 108-117 (in Russian).
- Koroteev, V.A., ed., 1996, Metallogeny of fold system with respect to plate tectonics: Urals Branch, Russian Academy of Sciences Press, Ekaterinburg, 248 p. (in Russian).
- Kosals, Ya.A., 1968, Geochemistry of Be, B, Li and F in the formation of calc-silicate skarn (Gorny Altai): Geochemistry, no. 2, p. 180-189 (in Russian).
- Kosals, Ya.A., 1971, Conditions of beryllium (helvine) mineralization in skarn, in Granitoid Massifs and Ore Mineralization of Siberia: Nauka, Novosibirsk, p. 222-261 (in Russian).
- Koshelev, Yu.Ya., and Chechetkin, V.S., 1996, Gold in the north of the Chita region: Geology, level of knowledge, and prospects, in Problems of Ore Formation, Search for and Assessment of Mineral Deposits: Siberian Branch Publishing House, Russian Academy of Sciences, Novosibirsk, p. 160-165 (in Russian).
- Kosticyn, Yu.A., Altukhov, E.N., and Filina, N.P., 1998, Rb-Sr isochron dating of alkaline granite from northeastern Tuva: Geology and Geophysics, v. 39, no. 7, p. 917-923 (in Russian).
- Kostin, A.V., Zaitsev, A.I., Shoshin, V.V., Ganeev, A.Sh., and Lobanov, S.P., 1997, A silver province in the West Verkhoyansk region: Yakutian Institute of Geology, Siberian Branch, Russian Academy of Sciences, 155 p. (in Russian).
- Kotkin, V.V., 1975, Features of lithological control of gold mineralization in the central part of the Lena gold ore region: Summary of Candidate of Science Thesis, Irkutsk Technical University, 24 p. (in Russian).
- Kotov, P.A., 1995, Usuglinsky deposit, in Laverov, N.P., ed.: Deposits of Transbaikalia, v. 1, book 2: GeoInformMark, Chita-Moscow, p. 190-193.
- Kovach, V.P., Velikoslavinskiy, S.D., Kotov, A.B., and Sal'nikova, E.B., 1995a, Sm-Nd isotope systematics of siliceous metavolcanic rocks of the Fedorov group in the Aldan shield (mid-Timpton River): Russian Academy of Sciences Transactions, v. 335, no. 3, p. 357-361 (in Russian).
- Kovach, V.P., Kotov, A.B., Sal'nikova, E.B., and others, 1995b, Age limits for the formation of highly-metamorphosed supracrustal complexes of the Aldan shield: first Sm-Nd isotope data, in Russian Foundation of Fundamental Research in the Siberian region (Earth's Crust and Mantle): Abstracts of Papers of Institute of Earth's Crust, Siberian Branch, Russian Academy of Sciences, Irkutsk, v. 2, p. 56-57 (in Russian).
- Koval, P.V., 1998, Regional petrochemical analysis of granitoids: United Institute of Geology, Geophysics, and Mineralogy, Siberian Branch, Russian Academy of Sciences, Novosibirsk, 492 p. (in Russian).
- Koval, P.V., Yakimov, V.M., Naigerbauer, V.A., and Goreglyad, A.V., 1982, Regional petrochemical analysis of Mesozoic intrusions: Nauka, Moscow, 206 p. (in Russian).
- Koval, P.V., and Gerel, O., 1986, Volcanic association of areas of porphyritic copper mineralization of Mongol-Ohotsk zone, in Geochemistry of Volcanic Rocks of Different Geodynamical Situations: Nauka, Novosibirsk, p.69-93 (in Russian).
- Koval, P.V., and Gerel, O., Smirnov, V.N., and Tseden, Ts., 1985, The porphyritic association of the Erdenet area (petrography and chemical composition), in Questions of Geology and Metallogeny of Eastern Mongolia: Kherlen Geological Expedition Issue, Ulaanbaatar, p. 59-112 (in Russian).
- Koval, P.V., and Tsypukov, Yu.P., 1977, Mesozoic intrusive association of the Hentii uplift (Mongolian Peoples's Republic): U.S.S.R. Academy of Sciences Reports, v. 236, no. 6, p. 1438-1441 (in Russian).
- Kovalenko, V.I., and others. 1974, Lugin gol pseudoleucite syenite in Mongolia (first discovery): Geochemistry, no. 8, p. 38-48 (in Russian).
- Kovalenko, V.I., Goreglyad, A.V., and Tsareva, G.M., 1985, Halzanburged massif - new occurrence of rare metals alkaline granitoids in Mongolian Peoples's Republic: Russian Academy of Sciences Proceedings, v. 280, no.4, p. 954-959 (in Russian).
- Kovalenko, V.I., Koval, P.V., Yakimov, V.M., and Sherhan, O., 1986, Metallogeny of Mongolia (W, Sn, Rare and RE elements): U.S.S.R. Academy of Sciences, Institute of Geology, Novosibirsk, 52 p. (in Russian).
- Kovalenko, V.I., Koval, P.V., Yakimov, V.M., Sherhan, O., and Yarmolyuk, V.V., 1988, Rare metals metallogeny of Mongolian People's Republic on basis of potential ore-bearing magmatic rocks, in Ore-Bearing Magmatic Association: Nauka, Moscow, p.114-159 (in Russian).
- Kovalenko, V.I., and Kovalenko, N.I. 1976, Ongonites: Nauka, Moscow, v. 15, 127 p. (in Russian).

- Kovalenko, V.I., Kovaly P.V., Yakimov, V.M., Sherhan, O., and Yarmolyuk, V.V., 1988, Rare metal metallogeny of Mongolian Peoples' Republic on a basis of theory of potential ore-bearing of magmatic rocks, *in Ore-Bearing Features of Magmatic Associations*: Nauka, Moscow, p. 114-159. (in Russian).
- Kovalenko, V.I., and Yarmolyuk, V.V., 1990, Evolution of magmatism in the structures of Mongolia, *in Evolution of Geological Processes and Metallogenesis of Mongolia*: Nauka, Moscow, p. 23-54 (in Russian).
- Kovalenko, V.I., and Yarmolyuk, V.V., 1995, Endogenous rare metal ore formation and rare metal metallogeny of Mongolia. *Economic Geology*, v. 90, p. 520-529.
- Kovalenko, V.I., Yarmolyuk, V.V., and Bogatkov, O.A., 1995, Magmatism, geodynamics and metallogeny of Central Asia: MIKO Commerical Herald Publishers, Moscow, 274 p. (in Russian).
- Kovalenko, V.I., Yarmolyuk, V.V., Samoilov, V.S., Koval, P.V., Goteglyud, A.V., and others, 1990, New ore-occurrences and metallogenic provinces of Mongolia, *in Evolution of Geological Processes and Metallogenesis of Mongolia*: Nauka, Moscow, p. 187-213 (in Russian).
- Kovalev, A.A., 1978, Mobilism and prospecting geologic criteria: Nedra Press, Moscow, 287 p. (in Russian).
- Kovalev, K.R., 1986, Features of volcanogenic-sedimentary ore formation in the Eravna ore region (Western Transbaikalia), *in Smirnov, V.I., ed., Endogenous Ore Formations of Siberia and Problems of Ore Formation*: Nauka, Novosibirsk, p. 135-150 (in Russian).
- Kozakov I.K., 1986, Precambrian infrastructure complexes of Paleozoic Structures in Mongolia: Nauka, Leningrad, 144 p. (in Russian).
- Kozhemyachenko, N.F., Arkhipchuk, R.Z., and Teterin, V.S., 1971, Basic features of the structure and genesis of the Naransky fluorite deposit, *in Materials on Geology and Useful Minerals of Buriatia*: Buryatian Geological Survey, Ulan-Ude, no. 15, p. 112-119 (in Russian).
- Kozlov, V.D., and Svadkovskaya, L.N., 1977, Petrochemistry, geochemistry and ore-bearing capacity of granitoids of Central Transbaikalia: Nauka, Novosibirsk, 252 p. (in Russian).
- Kozlovskaya, S.F., and Adamenko, O.M., 1971, The main stage of regional penepplanation (Yenisey Ridge), *in Plateau and Lowlands of East Siberia*: Nauka, Moscow, p. 136-143 (in Russian).
- Kozlovsky, E.A., ed., 1988, Geology of the BAM Zone, geological structure: Nedra, Leningrad, 443 p. (in Russian).
- Krasny, L.I., and Rasskasov, Yu.P., 1975, The new ore district in the northern Priokhotye: *Geology and Exploration*, v. 12, p. 5-11 (in Russian).
- Krutsko, N.S., 1962, Basic features of location of chrysotile-asbestos in peridotite-serpentine zone of Eastern Sayan, *in Features of Location of Useful Minerals*: U.S.S.R. Academy of Sciences, Moscow, v. 6, p. 195-205 (in Russian).
- Krutsko, N.S., 1964, Asbestos deposits of Buriatia and methods of mastering, *in Proceedings, Second Conference on Metallogeny of Sayan-Baikal area*: Buryatian Research Institute, Ulan-Ude, p. 140-148 (in Russian).
- Kudrin, V.S., Stavrov, O.D., and Shuryga, T.N., 1994, New type of spodumene Ta-bearing rare-metal granites: *Petrologiya*, v. 2, no.1, p. 88-95 (in Russian).
- Kudrin, V.S., and Kudrina, M.A., 1959, Alkaline rocks of the Eastern and Northeastern Tuva related to rare-metal mineralization: Nauka, Moscow, 160 p. (in Russian).
- Kudryavtsev, V.A., and Akhmetov, R.N., 1977, Geology and iron ores of the Khatinsk region, *in Composition and Genesis of Iron Quartzites of Siberia and the Far East*: Publishing House, Institute of Geology and Geophysics, Siberian Branch, U.S.S.R. Academy of Sciences, Novosibirsk, p. 27-35 (in Russian).
- Kutyrev, E.I., Sobolev, A.E., Ispravnikov, A.V., Tolstykh, A.N., and Shleipkin, P.D., 1988, Cupriferous sandstones and basalts of the Sette-Daban region, *in Stratiform Mineralization of Yakutia*: Yakutian Institute of Geology, U.S.S.R. Academy of Sciences, Yakutsk, p. 74-87 (in Russian).
- Kurbatov, S.M., 1934, Contact copper deposits in the Khakas region of Siberia: U.S.S.R. Academy of Sciences Publishing House, Leningrad, 60 p. (in Russian).
- Kurceraite, Sh.D., Semenov, V.N., and Andreev, O.V., 1974, Distribution of iron-ore deposits of South Krasnoyarsk region, *in Problems of Genesis, Distribution, and Perspectives of Iron-Ore Mineralization in Altai-Sayan Folded Area*, part 2: Nauka, Novosibirsk, p. 5-24 (in Russian).
- Kurianov, F.K., 1958, Molybdenum ore occurrences of the Baikal mountainous area, *in Proceedings, First Conference on Metallogeny of Western Transbaikalia*: U.S.S.R. Academy of Sciences, Irkutsk, p. 125-133 (in Russian).
- Kuzebny, V.S., 1995, Kyzyl-Tashtyg etalon of Tumattaiga rhyolite-basaltic complex (Eastern Tuva): *Transactions of Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy, Russian Academy of Sciences, Novosibirsk*, 132 p. (in Russian).
- Kuznetsov, V.A., 1963, Questions of geology and metallogenesis of Gornyi Altai: Institute of Geology and Geophysics, Novosibirsk, 302 p. (in Russian).
- Kuznetsov, V.A., 1966, Major features of endogenic metallogeny of Altai-Sayan folded province, *in Formation Analysis Basis of Endogenic Metallogeny of Altai-Sayan Province*: Nauka, Novosibirsk, p. 16-43 (in Russian).
- Kuznetsov, V.A. ed., 1981, Ore formations of Tuva: Nauka, Novosibirsk, 200 p. (in Russian).
- Kuznetsov, V.A. ed., 1982, Geology of U.S.S.R., v. XIV, West Siberia, Mineral Resources, book 1: Nedra, Moscow, 319 p. (in Russian).
- Kuznetsov, V.A., Distanov, E.G., Obolenskiy, A.A., Sotnikov, V.I., and Tychinskiy, A.A., 1966, Analysis of genesis of endogenous metallogeny of Altai-Sayan region: Nauka, Novosibirsk, 155 p. (in Russian).
- Kuznetsov, V.A., Vasil'ev, V.I., Obolenskiy, A.A., and Shcherban', I.P., 1978, Geology and genesis of mercury deposits of Altai-Sayan folded area: Nauka, Novosibirsk, 394 p. (in Russian).

- Kuznetsov, V.V., Ponomarev, V.G., Akimtsev, V.A., Babkin, E.S., Konkin, V.D., Kuznetsova, T.P., and Saraev, S.V., 1990, Gorevskoye zinc-lead deposit: *Geology of Ore Deposits*, no 5, p. 3-18 (in Russian).
- Kuznetsov, Yu.A., Bognibov, V.I., Distanova, A.N., Sergeeva, E.S., 1971, Early Paleozoic granitoid association of Kuznetsk Alatau: Nauka, Moscow, Press, 352 p. (in Russian).
- Lamb, M.A., and Badarch, G., 1997, Paleozoic sedimentary basins and volcanic-arc systems of southern Mongolia: New stratigraphic and sedimentologic constraints, *International Geology Review*, v. 26., p. 1021-1035.
- Lamb, M.A., and Cox, Dennis, 1998, New $^{40}\text{Ar}/^{39}\text{Ar}$ age data and implications for porphyry copper deposits of Mongolia: *Economic Geology*, v. 93, p. 521-529.
- Lapin, A.V., 1992, Chadobetsk complex of ultrabasic alkali rocks and carbonatites: *Transactions, Izvestia, U.S.S.R. Academy of Sciences, Geology Series, Moscow*, v. 12, no. 6, p. 8-101 (in Russian).
- Lapin, A.V., 1996, Classification and prediction of ore deposits in weathering crust of carbonatites: *Geology of Ore Deposits*, v. 38, no. 2, p. 172-186 (in Russian).
- Lapin, A.V., Plashko, V.V., and Manyshev, A.A., 1987, Carbonatites of Tatarsk deep fault zone in the Yenisei Ridge: *Geology of Ore Deposits*, no. 1, p. 30-46 (in Russian).
- Lapin, A.V., and Tolstov, A.V., 1993, New unique rare-metals deposits in weathering crust of carbonatite: *Prospecting and Mineral Resources Protection*, no. 3, p. 7-11 (in Russian).
- Lapin, A.V., and Tolstov, A.V., 1995, Carbonatite weathering crust deposits: Nauka, Moscow, 208 p. (in Russian).
- Lapukhov, A.S., 1966, On connection of barite-polymetallic mineralization with magmatism at the Salair ore field: *Geology of Ore Deposits*, no.6, p. 80-91 (in Russian).
- Lebedev, G.S., Ivanenko, V.V., and Korpenko, V.I., 1994, Geochronology of volcanic-plutonic complexes in the Verkhneurmi ore field: *Geology of Ore Deposits*, v. 36, p.362-371 (in Russian).
- Lebedev, V.I., Vladimirov, A.G., and Khalilov, V.A., 1993, U-Pb dating and problem of dividing of magmatic and metamorphic rocks of Precambrian-Early Paleozoic age in the West Sangilen (SE Tuva): *Geology and Geophysics*, v. 34, no.7, p. 43-52 (in Russian).
- Lebedev, V.I., 1967, About structure of Co-Cu deposits: *Papers of Leningrad Mining Institute*, v. 111, no. 2, p. 36-45 (in Russian).
- Lebedev, V.I., 1971, Conditions of formation of Cu-Ni-Co-As veins, *in Materials on Geology of Tuva U.S.S.R.*, Kizyl: Tuva Press, no. 11, p. 128-137 (in Russian).
- Lebedev, V.I., 1998, Ore-magmatic systems of typical As-Co deposits: *United Institute of Geology and Geophysics, Siberian Branch, Russian Academy of Sciences, Novosibirsk*, 135 p. (in Russian).
- Lebedev, V.I., and Cheresov, A.M., 1989, Structural factors of Khovuaksky ore-magmatic system localization: *Geology and Geophysics*, v. 30, no. 11, p. 20-27 (in Russian).
- Lee, C.H., 1959, Report on the Investigation of Soonkyong Cassiterite Deposits: *Geological Survey of Korea Bulletin 2*, p. 75-90 (in Korean).
- Lee, C.H., 1960, Report on the Oryu-dong Crystalline Graphite Mine: *Geological Survey of Korea Bulletin 3*, p. 66-77. (in Korean).
- Lee, C.H., 1962, Report on the Graphite Deposits in Koksung, Cholla-namdo: *Geological Survey of Korea Bulletin 5*, p. 92-105. (in Korean).
- Lee, J.K., and Kim, B.C., 1969, Drilling Report on Musimchon Gold Placer, Chungju: *Geological Survey of Korea Bulletin 11*, p. 97-116 (in Korean).
- Lee, J.K., and Yoon, Y.D., 1970, The Preliminary Drilling Report on the Gold Placer of the Asan Bay: *Geological Survey of Korea Bulletin 12*, p. 133-145 (in Korean).
- Levchenko, S.V., 1975, Pre-platform metallogeny of Kuznetsk-Minusinsk ore region: Nauka, Moscow, 192 p. (in Russian).
- Levitskiy, V.V., 1966, Structure and zonation of gold mineralization in a typical ore belt of Siberia, *in Problems of Genesis and Features of Location of Endogenous Deposits: Nauka, Moscow*, p. 316-326 (in Russian).
- Levitskiy, O.D., 1964, *Geology of ore deposits of Transbaikalia: Nauka, Moscow*, 335 p. (in Russian).
- Levitskiy, V.I., 1994, Petrology, mineralogy and genesis of the Onotsky talk deposit: *Transactions of All Union Mineralogical Society*, no. 6, p. 20-32 (in Russian).
- Li, Henian, 1993, Geochemistry and mineralization indication of Permian strata in southern-central Daxinganling Area: *Seismological Publishing House, Beijing*, p.79-86 (in Chinese).
- Li, L.V., 1974, Connection of gold deposits formation with progressive regional metamorphism processes in the Yenisey Ridge, *in Ore Mineralization and Metallogeny of Geological Structures in the Yenisey Ridge: Krasnoyarsk Publishing House, Krasnoyarsk*, p. 102-112 (in Russian).
- Li, L.V., 1974, Peculiarities of gold-ore mineralization of South-Enisey Ridge: *Krasnoyarsk, Transactions of Siberian Research, Institute Geology, Geophysics, and Mineral Resources*, no. 144, 134 p. (in Russian).
- Li, L.V., 1982, Connection of endogenous ore mineralization with tectonic-magmatic activation processes in Angara-Kansk block: *U.S.S.R. Academy of Sciences Transactions*, v. 263, no.3, p. 676-679 (in Russian).
- Li, L.V., 1997, Gold-ore deposits in Precambrium units of Enisey Ridge, *in Geology and Mineral Resources of Central Siberia: Krasnoyarsk Research, Geological and Mineral Resources Institute, Krasnoyarsk*, p. 184-222 (in Russian).
- Li, L.V., and Dacenko, V.M., 1970, Position of granitoid associations and place of gold mineralization in geological development of Yenisey Ridge: *Transactions, Tomsk Polytechnic Institute*, v. 239, p. 60-65 (in Russian).
- Li, L.V., Kruglov, G.P., and Sherman, M.L., 1990, Disseminated gold-sulfide ore mineralization of Enisey Ridge: *U.S.S.R. Academy of Sciences Transactions*, v. 313, no. 3, p. 690-694 (in Russian).

- Li, L.V., Kruglov, G.P., Shokhina, O.J., and Verbickiy, B.P., 1984, The role of litological and structural factors in streaky-disseminated ores localization within and over intrusive zones: *Geology of Ore Deposits*, no.1, p. 83-88 (in Russian).
- Li, L.V., Mikheev, V.G., Dorofeev, N.P., and Bychkova, A.G., 1971, Geological-structural conditions of distribution and relationship of gold and antimony mineralization of South-Yenisey district (Yenisey Ridge); *Trudy, Transactions of Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy of Raw Materials, U.S.S.R. Academy of Sciences, Novosibirsk*, v. 114, p. 60-66 (in Russian).
- Li, L.V., and Shokhina, O.I., 1974, Gold behaviour during the progressive regional metamorphism processes of Precambrian rocks of the Yenisey Ridge: *Geochemica*, no. 3, p. 402-410 (in Russian).
- Li, L.V., Shokhina, O.I., Utyuzhnikov, G.P., and Yushkov, M.G., 1979, Gold distribution within host rocks of Au-quartz deposit: *Geochemica*, no.6, p. 941-945 (in Russian).
- Li, Rongdao, 1993, The Sanminghe iron deposit, *in* Yao Peihui, ed., *Iron Deposits in China: Metallurgic Industry Press, Beijing*, p. 234-237 (in Chinese).
- Li, Ruiyan, Luo, Yiqing, Dong, Yemaixing, and others, 1994, Phosphor ore deposits of China, *in* The Compilation Committee of Ore Deposits in China, ed., *Ore Deposits in China*, v. 3 of 3: Geological Publishing House, Beijing, 8 p. (in Chinese).
- Lin, Qiang, Ge, Wenchun, Sun, Deyou, and others, 1998, Tectonic signification of Mesozoic volcanic rocks in northeastern China: *Geological Sinica Society*, v. 33, no. 2, p. 129-139 (in Chinese).
- Litavrina, R.F., and Kosenko, V.I., 1978, Magmatism and mineralization of the Vysokogorsky tin deposit, *in* Korostelev, P.G., ed., *Mineral Deposits of the Russian Far East: U.S.S.R. Academy of Sciences, Far East Geological Institute, Vladivostok*, p. 55-62 (in Russian).
- Litvinovsky, B.A., Zanzilevich, A.N., Posokhov, V.F., and others, 1998, New data on the structure and time of formation of the Oshurkovsky massif of alkaline gabbro and syenites Transbaikalia: *Geology and Geophysics*, v. 39, no. 6, p. 730-734 (in Russian).
- Liu, Fu, Deng, Xiangyun, Wang, Yue, Lang, Shizhong and Liang, Zhenjun, 1996, Geological features and ore-researching direction of the Laozhuoshan gold deposit, Heilongjiang Province: *Gold*, v. 17, no.8, p. 11-14 (in Chinese).
- Lkhundev, Sh., and others, 1998, Results of 1:200,000 scale geological mapping: *Geologic Information Center Open-File Report no. 5172, Ulaanbaatar* (in Mongolian).
- Lu, Liangzhao, Xu, Xuechun, and Dong, Yongshen, 1998, Three main styles of early Precambrian metamorphic evolution in Northern Sino-Korea craton and their geodynamics: *Geological Journal of China Universities*, v. 4.no. 1, p. 3-10 (in Chinese).
- Lu, Liangzhao, Xui, Xuechun, and Lu, Fulai, 1996, Early Precambrian Khonolalite series of northern China: *Changchun Publishing House, Changchun*, p. 126-199 (in Chinese).
- Luchitskiy, I.V., 1959, Nepheline ores and host alkali nepheline in the southern Krasnoyarsk region, *in* *Mineral Resources of Krasnoyarsk region: Nauka, Moscow*, p. 195-222 (in Russian).
- Ludington, S., and Cox, D., 1996, Data base for a national mineral-resource assessment of undiscovered deposits of gold, silver, copper, lead, and zinc in the conterminous United States by U.S. Geological Survey Minerals Team: *U.S. Geological Survey Open-File Report 96-96, CD-ROM*.
- Luo, Hui, and Li, Zhenhui, and others, 1986, Iron formation, *in* Bai, Jin, ed., *Mineral Resources*, chapter 8, *The Early Precambrian Geology of Wutaishan: Tianjin Science and Technology Press, Tianjin*, p. 339-359 (in Chinese).
- Lurye, A.M., 1988, Genesis of copper sandstones and shales: *Nauka, Moscow*, 182 p. (in Russian).
- Luvsandanzan, B., Perfil'yev, Y.S., Heraskova, T.N., Ilyn, A.V., Tomurtogoo, O., and others, 1990, Major features of geological structure of the northern Mongolia: Evolution of geological processes and metallogenesis of Mongolia: *Nauka, Moscow*, p. 139-150 (in Russian).
- Luzgin, B.N., 1974, Nature and peculiarities of mineralogical zonation of Sinjuchinskoye Au-ore field (Gorny Altai), *in* *Magmatism, Lithology and Ore Content Problems of Siberia: West-Siberian Publishing House, Novosibirsk*, p. 128-135 (in Russian).
- Makagon, V.M., Lepin, V.S., and Brandt, S.B., 2000, Rb-Sr dating of rare-metal pegmatites of Vishnyakovsky deposit (Eastern Sayan): *Geology and Geophysics*, v. 41, no. 12, p. 1783-1789 (in Russian).
- Makagon, V.M., Poletaeva, I.V., and Eremin, G. M., 1983, Geological-structural and geochemical features of two types of rare-metal pegmatites, *in* *Geochemistry of Pegmatites and Methods of Prospecting: Nauka, Novosibirsk*, p. 97-103 (in Russian).
- Makrygina, V.A., Sandimirova, G.P., Nikolaev, V.M., and others, 1993, New data on the age of migmatites and granite gneisses of Chuysky series (northern Pribaikalia): *Geology and Geophysics*, v. 34, no. 9, p. 31-36 (in Russian).
- Malich, N.S., Masaitis, V.L., and Staritskiy, Yu.G., eds., 1974, Geological formations of pre-Cenozoic units of Siberian Platform and Associated Ore Deposits: *Nedra, Moscow*, 280 p. (in Russian).
- Malich, N.S., Masaitis, V.L., and Surkov, V.S. eds., 1987, Geological structure of the U.S.S.R. and distribution of mineral deposits, v. 4, *Siberian Platform: Nedra, Leningrad*, 448 p. (in Russian).
- Malich, N.S., and Tuganova, E.V., 1980, Principles and procedure of mineralogenetic analysis of Platforms: *Nedra, Moscow*, 287 p. (in Russian).
- Marakuchev, A.A., Emel'yanenko, E.P., and Nekrasov, I.Ya., 1990, The original concentric-zoned structure of the Kondyor alkali-ultramafic massif: *U.S.S.R. Academy of Sciences Transactions*, v. 311, no. 1, p. 167-170 (in Russian).
- Marinov, N.A., Hasin, R.A., and Khurts, C.H., eds., 1977, *Geology of Mongolia*, v. III: *Nedra, Moscow*, 700 p. (in Russian).
- Martynuk, M.V., Vas'kin, A.F., Bol'skiy, A.S., Volskaya, I.P., Ryamov, S.A., Sharueva, L.I., Shapochka, I.I., and Reinlib, E.L., 1983, Geological map of Khabarovsk Krai and Amur Oblast, Khabarovsk: *Dal Geology Company*, 134 p. (in Russian).

- Masaitis, V.L., Mikhailov, M.V., and Selivanovskaya, T.V., 1975, The Popigay meteorite crater: Nauka, Moscow, 124 p. (in Russian).
- Masaitis, V.L., Mashchak, M.S., Raikhlin, A.I., Selivanovskaya, T.V., and Shafranovskiy, G.I., 1998, Diamond-bearing impactites of the Popigay astrobleme: All-Russia Geological Research Institute, Publishing House, St. Petersburg, 179 p. (in Russian).
- Maslennikov, V.V., 1977, Conditions of localization of antimony-mercury mineralization in the North Verkhoyansk region: *Soviet Geology*, no. 5, p. 115-125 (in Russian).
- Matrenitskii, A.T., 1977, A new data about volcano-plutonic association of Orhon-Selenge depression of Mongolia, *in* *Fundamental Problems of Geology of Mongolia*: Nauka, Moscow, p. 101-104 (in Russian).
- Matrenitskii, A.T., 1981, Characteristics of upper Paleozoic orogenic magmatism and its ore-bearing (for example of Orhon-Selenge depression of Mongolian Peoples's Republic), *in* *Petrology and Mineralization of Magmatic Formation Indicator*: Nauka, Moscow, p.353-373 (in Russian).
- Matrosov, P.S., and Shaposhnikov, G.N., eds., 1988, Geological structure of the U.S.S.R. and regularities of mineral deposit distribution, v. 7, book 1, Altai, Sayan, and Enisey Ridge Regions: Nedra, Leningrad, 309 p. (in Russian).
- Mazurov, M.P., 1985, Genetic models of skarn iron-ore formations: Nauka, Novosibirsk, 183 p. (in Russian).
- Mekhonoshin, A.S., 1999, Basic-ultrabasic magmatism of Onotsky greenstone belt (Eastern Sayan): *Geology and Geophysics*, v. 40, no. 12, p. 1772-1784 (in Russian).
- Mekhonoshin, A.S., Glazunov, O.M., and Burmakina, G.V., 1986, Geochemistry and ore-bearing capacity of metagabbros of eastern Sayan: Nauka, Novosibirsk, 102 p. (in Russian).
- Mel'nikov, V.D., 1978, Hydrothennolites and ore assemblages, *in* Moiseenko, V.G., ed., *Assemblages of hydrothennally altered rocks and their relationships with ores*: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, p. 28-42 (in Russian).
- Mel'nikov, V.D., 1984, Gold-ore hydrothermal formations: Far Eastern Branch, U.S.S.R. Academy of Sciences, Vladivostok, 132 p. (in Russian).
- Mel'nikov, V.M., and Izrailev, L.M., 1975, On the lead-zinc stratiform mineralization of the Verkhoyansk meganticlinorium: *Geology of Ore Deposits*, no. 1, p. 101-104 (in Russian).
- Melnikova L.V., 1974, Mineral assemblages of gold deposits, *in* Petrovskaya, N.V., ed., *Primorye Volcanics: Mineralogy of Gold, Abstracts for Symposium on Mineralogy and Geochemistry of Gold*: U.S.S.R. Far East Geological Institute, Academy of Sciences, Vladivostok, p. 16-17 (in Russian).
- Miguta, A.K., 1997, Composition and paragenetic mineral assemblages of uranium ores of the El'kon region (Aldan shield, Russia): *Geology of Ore Deposits*, v. 39, no. 4, p. 323-343 (in Russian).
- Mihaleva, L.A., 1963, Small intrusives of Terekt mountain range in Gornyi Altai and their role in metallogenesis, *in* *Questions of Geology and Metallogenesis of Gornyi Altai*: Nauka, Novosibirsk, p.155-242 (in Russian).
- Mihaleva, L.A., 1986, Lateral zoned setting of basite magmatism in early Mesozoic activated zones in folded structures of Gornyi Altai: *Geology and Geophysics*, no.3, p. 33-39 (in Russian).
- Mihaleva, L.A., 1989, Mesozoic lamprophyry-diorite formation in southern Siberian: Nauka, Novosibirsk, 165 p. (in Russian).
- Mikhailov, D.A., 1983, Metasomatic origin of ferrous quartzites of the Precambrian: Nauka, Leningrad, 168 p. (in Russian).
- Mikubae, B.M., 1979, Pre-ore joint structures of Teisk ore cluster and their role in localization of ore bodies (Kuznetsk Alatau) *in* *Problems of Genesis of Iron-Ore Deposits of Siberia*: Nauka, Novosibirsk, p. 62-66 (in Russian).
- Minaeva, A.V., and Bykov, A.S., 1974, Latheritic weathering crusts of South-West Salair, *in* *Ore Bearing Weathering Crusts*: Nauka, Moscow, p. 26-31 (in Russian).
- Minato, M., Hunahashi, M., Watanabe, J., and Kato, M. eds., 1979, Variscan geohistory of northern Japan: The Abean orogeny: Tokai University Press, Tokyo, 426 p.
- Mineral resources (metals) map of China, 1992: Geological Publishing House, Beijing, scale, 1:5,000,000 (in Chinese).
- Mironov, A.G., Roschektaev, P.A., Zhmodik, S.M., and others, 1995, Zun-Kholba gold deposit, *in* Laverov, N.P., ed., *Deposits of Transbaikalia*, v. 1, book 2: GeoInformMark, Chita-Moscow, p. 56-66 (in Russian).
- Mironov, Yu.B., and Trofimov, N.S. 1993, New data on gold mineralization in north-eastern Mongolian Peoples's Republic, *in* *Questions of Geology and Metallogenesis of Mongolia*: Kherlen Geological Expedition Letters, Ulaanbaatar, v. 4, p. 53-66 (in Russian).
- Mironov, Yu.B., and Solovyev, N.S., 1993, Geology and metallogenesis of the North Choibalsan ore district, *in* *Questions of Geology and Metallogenesis of Mongolia*: Kherlen Geological Expedition Letters, Ulaanbaatar, v. 4, p. 97-118 (in Russian).
- Mironov, Yu.B., Solovyev, N.S., Lyvov, N.S., and Pecherkin, V.K., 1989, Features of geological structure and ore mineralization place in the Dornot volcano-tectonic structure, eastern Mongolia: *Geology and Geophysics*, no. 9, p. 22-32 (in Russian).
- Mironov, Yu.B., and others, 1989, Result of general and detailed prospecting at scale 1:50,000 and 1:10,000 in Ulz gol area: Geologic Information Center, Mongolia, Open-File Report 2459 (in Russian).
- Mironov, Yu.B., Solovyev, N.S., Lyvov, N.S., and Pecherkin, V.K., 1989, Features of geological structure and ore mineralization place in the Dornot volcano-tectonic structure (eastern Mongolia): *Geology and Geophysics*, no.9, p. 22-32 (in Russian).
- Miroshnikov, A.E., 1981, Paleotectonics of Middle-Late Cambrian stage of Priangarsk platform copper-bearing basin development: *Geotectonics*, no.2, p. 48-57 (in Russian).

- Miroshnikov, A.E., 1988, Middle-Late Cambrian teleorogenic copper-bearing basin at marginal southwestern part of the Siberian Platform, *in* Distribution Regularities of Mineral Deposits, v. XV, Metallogeny of Siberia: Nauka, Moscow, p. 227-233 (in Russian).
- Miroshnikov, A.E., Laikevich, S.S., and Shklyarik, G.K., 1981, Priangarsk copper-ore district: Moscow Press, 109 p. (in Russian).
- Miroshnikov, A.E., and Shklyarik, G.K., 1979, Near-bank lagoons as a new type of paleosedimentary traps for non-ferrous metals: Doklady, U.S.S.R. Academy of Sciences, Moscow, v. 244, no.1, p. 162-164 (in Russian).
- Miroshnikov, A.E., and Prokhorov, B.I., 1974, Geology and geochemistry of quartz-gold-ore deposits of Sarala ore field: Siberian Research Geological, Geophysical, and Mineral Resources Institute, Krasnoyarsk, 116 p. (in Russian).
- Mirtova, S.M., 1978, Major distribution features of mineral deposits in volcanogenic-sedimentary complexes of Kuznetsk Alatau: Lithology and Mineral Deposits, no. 1, p. 82-94 (in Russian).
- Mitchell, A.G., and Garson, M.S., 1981, Mineral deposits and global tectonic settings: Academic Press, London, 421 p.
- MITI, 1994, Report o Regional Survey of Geological Structure, 1993 Fiscal Year, Ministry of International Trade and Industry (MITI), 86p. (in Japanese).
- MITI, 1988, Report of Regional Geological Survey; Bantan Area, 1987 Fiscal Year, Ministry of International Trade and Industry (MITI), 178p. (in Japanese).
- MITI, 2000a, Regional geological survey; Hokusatsu and Kushikino area, 1999 fiscal year: Ministry of International Trade and Industry (MITI), 104 p. (in Japanese).
- MITI, 2000b, Regional geological survey; Nansatsu area, 1999 fiscal year: Ministry of International Trade and Industry (MITI), 58 p. (in Japanese).
- Mitrofanov, G.L., Levitsky, V.V., Mitrofanova, N.N., 1983, On relationship of magmatism and endogenous metallogeny with block structure of the basement in Kotero-Ukolkitsky and Muya regions of the western BAM sector, *in* Magmatism and Metamorphism of BAM Zone and Their Role in Formation of Useful Minerals: Nauka, Novosibirsk, p. 73-79 (in Russian).
- Mitrofanov, G.L., Nemerov, B.K., Korobeinikov, A.F., and Semeikina, L.K., 1994, Platinum-bearing capacity of Late Precambrian carbonaceous formations of Baikal-Patom Highland, *in* Platinum of Russia, Problems of Development of Platinum-Bearing Deposits: GeoinformMark, Moscow, p. 150-154 (in Russian).
- Mitrofanova, N.N., 1979, Geological position and types of metasomatic formations of the Late Cambrian tin ore deposit of the Mokhovoy in the Mid-Vitim mountain land, *in* Problems of Petrogenesis and Ore Formation, Correlation of Endogenous Processes: Institute of the Earth's Crust, U.S.S.R. Academy of Sciences, Irkutsk, p. 56-57 (in Russian).
- Mitropolskiy, A.S., 1959, Karasug group of complex iron-ore deposits, *in* Iron-Ore Deposits of Altai-Sayan Mountain Region: U.S.S.R. Academy of Sciences Press, Moscow, p. 498-511 (in Russian).
- Mitropolskiy, A.S., 1972, Conditions of formation of carbonate-iron-ore deposits of Tuva, *in* Ore-Shoots Origins and Problems: Nauka, Novosibirsk, p. 418-424 (in Russian).
- Mitropolskiy, A.S., and Kulik, N.A., 1975, Bi-Ni-Co mineralization in Mesozoic reactivation zones of Gorny Altai and western Tuva, *in* Distribution Regularities of Mineral Deposits: Nauka, Moscow, v. 11, p. 306-313 (in Russian).
- Miyashita, S., Arai, T., and Nagahashi, T., 1997, Significance of greenstones in the Hidaka belt, Hokkaido: Evidence for polycollision of ocean ridge: Geological Society of Japan, Memoir 47, p. 307-323 (in Japanese with English abstract).
- Mkrtychan, A.K., 1966, Phosphorite-bearing volcanogenic-sedimentary formation of Kuznetsk Alatau: Geology and Geophysics, no. 2, p. 39-48 (in Russian).
- Mkrtychan, A.K., and Vasil'ev, V.S., 1976, Barite-bearing province of Kuznetsk Alatau: Prospecting and Mineral Resources Protection, no. 5, p. 19-22 (in Russian).
- Mkrtychan, A.K., Cykin, R.A., and Savanjak, Yu.V., 1980, Manganese-bearing deposits of Enisey Ridge, *in* New Data on Manganese Deposits of U.S.S.R.: Nauka, Moscow, p. 205-210 (in Russian).
- Moiseenko, V.G., and Eirish, L.V., 1996, Gold-ore deposits of the Russian Far East, Vladivostok, Dalnauka, 352 p. (in Russian).
- Mokhosoev, M.V., ed., 1984, Dzhida ore region (problems of mineral resources): Nauka, Novosibirsk, 198 p. (in Russian).
- Momdзи, G.S., ed., 1976, Platform magnesian magnetite ore formation: Nedra, Moscow, 204 p. (in Russian).
- Moon, C.U., 1966, Report of Investigation of Eungok lead-zinc mine: Geological Survey of Korea Bulletin 9, p. 79-97 (in Korean).
- Moon, K.J., 1987, Significance of the occurrences of the Sangdong Granite and scheelite-bearing quartz veins in Precambrian schist: Journal of Geological Society of Korea, v. 23, no. 4, p. 306-316.
- Moon, C.U., and Cho, K. B., 1965, Report on Investigation of Jesamuk mine: Geological Survey of Korea Bulletin 8, p. 205-228 (in Korean).
- Monger, J.W.H., and Berg, H.C., 1987, Lithotectonic terrane map of western Canada and southeastern Alaska: U. S. Geological Survey Miscellaneous Field Studies Map MF-1874-B, scale 1:2,500,000, 12 p.
- Mossakovskii, A.A., 1975, Orogenic structures and volcanism of Paleozoic of Eurasia and its position in process of the motion of continental earth crust: Nauka, Moscow, 318 p. (in Russian).
- Mossakovskii, A.A., and Tomurtogoo, O., 1972, Scheme of stratigraphy of Permian and Mesozoic volcano-sedimentary formations of Orhon-Selenge depression, Mongolian People's Republic: U.S.S.R. Academy of Sciences Report no.5, 206 p. (in Russian).
- Mossakovskii, A.A., and Tomurtogoo, O., 1976, Upper Paleozoic in Mongolia: Nauka, Moscow, 127 p. (in Russian).
- Mu, Baolei, Jiang, Peimo, Zeng, Yishan, and Yan, Guohan, 1988, The Fanshan igneous complex and apatite-magnetite deposit in Hebei Province, China: Peking University Press, Beijing, p. 146 (in Chinese).
- Muchin, A.S., and Ladygin, P.P., 1957, New data on geological and industrial characteristics of Usinskoye manganese-ore deposit: Papers of West Siberian Geological Prospecting Trust, Tomsk, no. 2: p. 27-37 (in Russian).

- Munkhtsengel, B., and Iizumi, Sh., 1999, Petrology and geochemistry of the Lugiin Gol nepheline syenite complex in the Gobi-Tianshan foldbelt, southern Mongolia: A post-collisional potassic Magmatism: *Mongolian Geoscientist*, no. 14, Special Issue, IGSEA, p. 12-13.
- Murzaev, S.P., 1974, Petrology of phlogopite magnesian skarns: Publishing House, U.S.S.R. Academy of Sciences, Yakutsk, 179 p. (in Russian).
- Myznikov, I.K., 1995, Deposits of ferruginous quartzites (Chara group), *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 48-52.
- Nagibina, M.S., 1975, Late Mesozoic structures of eastern Mongolia, *in* Mesozoic and Cenozoic Tectonics and Magmatism in Mongolia: Nauka, Moscow, p.60-81. (in Russian).
- Nagibina, M.S., Shuvalov, V.F., and Martinson, G.G., 1977, Main features of stratigraphy and evolution history of Mesozoic structures in Mongolia, *in* Major Problems of Mongolian Geology: Nauka, Moscow, p. 76-91 (in Russian).
- Naito, K., 1993, Occurrences of quartz veins in the Hishikari gold deposit, southern Kyusyu, Japan: *Resources Geology*, Special Issue, no. 14, p. 37-46.
- Nakagawa, M., 1999, PGE abundance of ultramafic rocks in the Kamuikotan ophiolitic complex, Hokkaido, Japan: *Geological Society of Japan Memoirs*, no. 52, p. 69-76 (in Japanese with English abstract).
- Nakagawa, M., Ohta, E., and Kurosawa, K., 1991, Platinum-group minerals from the Mukawa serpentinite, southern Kamuikotan belt, Japan: *Mining Geology*, v. 41, p.329-335.
- Nakajima, T., 1989, Geological map for mineral resources assessment of the Hokuroku district: Geological Survey of Japan Miscellaneous Map Series 27, scale 1:50,000, with explanatory text, 107 p. (in Japanese with English abstract).
- Narkelun, L.F., Bezrodnych, Yu.P., Trubachev, A.I., and Salikhov, V.S., 1977, Copper sandstones and schists of southern part of Siberian platform: Nedra, Moscow, 223 p. (in Russian).
- Natal'in, B.A., 1991, Mesozoic accretionary and collisional tectonics of the southern Far East: *Pacific Ocean Geology*, no. 5 (in Russian).
- Natal'in, B.A., 1993, History and mode of Mesozoic accretion in southeastern Russia: The Island Arc, v. 2, p. 32-48.
- Natapov, L.M., 1981, Stratiform lead-zinc ores in the lower Lena River: *Geology of Ore Deposits*, no. 2, p. 125-129 (in Russian).
- Naumov, S.S., and Shumilin, M.V., 1994, Uranium deposits of Aldan: *Soviet Geology*, no. 11-12, p. 20-23 (in Russian).
- Nazarova, A.S., 1983, Ores of sulfide-cassiterite deposits as a promising source of combined commodities: Nedra, Moscow, 94 p. (in Russian).
- Nechaev, V.P., Markevich, P.V., Malinovsky, A.I., Philippov, A.N., and Vysotsky, S.Y., 1996, Tectonic setting of the Cretaceous sediments in the lower Amur Region, Russian Far East: *Journal of Sedimentary Society of Japan*, v. 43, p. 69-81.
- Neelov, A.N., and Podkovyrov, V.N., 1983, Structural and metamorphic evolution of Baikal-Patom folded system, *in* Precambrian Metamorphism in the Baikal-Amur rail Track Region: Nauka, Leningrad, p. 181-198.
- Nefediev, M.A., 1985, Structural factors of mineralization location of the Ozerninsky ore zone from geological-geophysical data, *in* Andreev, G.V., ed., Problems of Metasomatism and Ore Formation of Transbaikalia: Nauka, Novosibirsk, p. 43-51 (in Russian).
- Neimark, L.A., Ovchinnikova, G.V., Gorokhovskiy, B.M., and others, 1990, On the age and genesis of gold ore deposits of the Baikal mountainous area, *in* Isotope Dating of Endogenous Ore Deposits [abs.]: Abstracts, Institute of Geology and Physics of Minerals, Kiev, p. 230-232 (in Russian).
- Neimark, L.A., Ryck, E.Yu., Gorokhovskiy, B.M., 1994, Pb-isotope characteristics of some Late Riphean Pb-Zn deposits at folded boundary of the Siberian Platform: *Transactions Russian Academy of Sciences*, v. 339, no.5, p. 662-665 (in Russian).
- Neimark, L.A., Rytsk, E.Yu., Levchenko, O.A., and others, 1990, On the Early Proterozoic Upper Riphean age of the Olokit complex rocks (Northern Pribaikalia) with zircon data geochronology, *in* Geology and Geochronology of Precambrian of the Siberian Platform and Framework: Nauka, Leningrad, 190, p. 206-222.
- Nekhoroshev, V.P., 1958, Geological Map of Altai: State Geological Publishing Company, Moscow, scale 1:500,000: 259 p. (in Russian).
- Nekludov, A.G., 1995, Distribution regularities of gold and gold-antimony mineralization in Riphean sedimentary basins of the Yenisey Ridge: Summary of Ph. D. thesis, All-Russia Geological Research Institute, Petersburg, 24 p. (in Russian).
- Nekrasov, I.Ya., and Pokrovsky, V.K., 1973, Tin-bearing properties of subvolcanic rocks in the northern portion of the Polousny Range and Primorskaya lowland, *in* Apeltsyn, F.E., Grinberg, G.A., Nekrasov, I.Ya., and Rubick, K.N., eds., Magmatism in the Northeastern U.S.S.R.: Nauka, Moscow, p. 178-179 (in Russian).
- Nie, Fengjun, Zhang, Hongtao, Sun, Hao, and Fan, Jianting, 1998, Geological features and origin of the Hadamiao gold deposit in Inner Mongolia: *Mineral Deposits*, v. 8, no. 2, p. 51-59 (in Chinese).
- Nikitin, V.M., 1990, Geology and prospectives of discovery of quartzites in the Sutam block of the Aldan shield: Summary of Candidate of Science Thesis, Dnepropetrovsk, 16 p. (in Russian).
- Nikolaev, S.S., and Neverovich, E.M., 1958, Au-ore deposits of Sinjuchinsoe ore field in Gorny Altai, *in* Materials on Base-Metals, Rare-Metals and Precious-Metals Geology: Transactions of Siberian Research Geological, Geophysical and Mineral Resources Institute, Novosibirsk, no. 3, p. 43-54 (in Russian).
- Nokleberg, W.J., Bundtzen, T.K., Berg, H.C., Brew, D.A., Grybeck, Donald, Robinson, M.S., Smith, T.E., Yeend, Warren, 1987, Significant metalliferous lode deposits and placer districts of Alaska: *U.S. Geological Survey Bulletin*, 104 p., 2 plates, scale 1:5,000,000.

- Nokleberg, W.J., Bundtzen, T.K., Berg, H.C., Brew, D.A., Grybeck, Donald, Robinson, M.S., Smith, T.E., and Yeend, Warren, 1994a, Metallogeny and major mineral deposits of Alaska, *in* Plafker, G. and Berg, H.C., eds., *The Geology of Alaska*: Boulder, Colorado, Geological Society of America: *The Geology of North America*, v. G1, p. 855-904.
- Nokleberg, W.J., Bundtzen, T.K., Berg, H.C., Brew, D.A., Grybeck, Donald, Robinson, M.S., Smith, T.E., Yeend, Warren, and 54 contributors, 1994b, Metallogenic map of significant metalliferous lode deposits and placer districts of Alaska, *in* Plafker, G. and Berg, H.C., eds., *The Geology of Alaska*: Boulder, Colorado, Geological Society of America: *The Geology of North America*, v. G1, Plate 11, scale 1:2, 500,000.
- Nokleberg, W.J., Bundtzen, T.K., Brew, D.A., and Plafker, George, 1995, Metallogenesis and tectonics of porphyry Cu and Mo (Au, Ag), and granitoid-hosted Au deposits of Alaska, *in* Schroeter, Tom, ed., *Porphyry Deposits of the Northwestern Cordillera*: Canadian Institute of Mining, Metallurgy, and Petroleum Special Volume 44, p. 103-141.
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Koch, R.D., Ratkin, V.V., Rozenblum, I.S., Shpikennan, V.I., Frolov, Y.F., Gorodinsky, M.E., Melnikov, V.D., Ognyanov, N.V., Petrachenko, E.D., Petrachenko, R.I., Pozdeev, A.I., Ross, K.V., Wood, D.H., Grybeck, Donald, Khanchuk, A.I., Kovbas, L.L., Nekrasov, I.Ya., Sidorov, A.A., and 1996, Significant metalliferous lode deposits and placer districts for the Russian Far East; Alaska, and the Canadian Cordillera: U.S. Geological Survey Open-File Report 96-513-A, 385 p.
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Koch, R.D., Ratkin, V.V., Rozenblum, I.S., Shpikennan, V.I., Frolov, Y.F., Gorodinsky, M.E., Melnikov, V.D., Diggles, M.F., Ognyanov, N.V., Petrachenko, E.D., Petrachenko, R.I., Pozdeev, A.I., Ross, K.V., Wood, D.H., Grybeck, Donald, Khanchuk, A.I., Kovbas, L.I., Nekrasov, I.Ya., and Sidorov, A.A., 1997a, Significant metalliferous lode deposits and placer districts for the Russian Far East, Alaska, and the Canadian Cordillera; U.S. Geological Survey Open-File Report 96-513-B, CD-ROM.
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Ratkin, V.V., Shpikennan, V.I., Goryachev, N.A., Khanchuk, A.L., Koch, R.D., Rozenblum, I.S., Gorodinsky, M.E., Frolov, Y.F., Pozdeev, A.I., Parfenov, L.M., and Sidorov, A.A., 1997b, Mineral deposit and metallogenic belt maps of the Russian Far East, Alaska, and the Canadian Cordillera; Geological Survey of Canada Open File 3446, 2 sheets, scale 1:5, 000,000, 5 sheets, scale 1:10,000,000.
- Nokleberg, W.J., Bundtzen, T.K., Eremin, R.A., Ratkin, V.V., Dawson, K.D., Shpikerman, V.I., Goryachev, N.A., Frolov, Y.F., Pozdeev, A.I., Rozenblum, I.S., Khanchuk, A.I., Koch, R.D., Monger, J.W.H., Parfenov, L.M., Rodionov, S.M., and Sidorov, A.A., Metallogenesis of the Russian Far East, Alaska, and the Canadian Cordillera: U.S. Geological Survey Open File Report 03-434, 406 p.
- Nokleberg, W.J., Bundtzen, T.K., Grybeck, D., Koch, R.D., Eremin, R.A., Rozenblum, I.S., Sidorov, A.A., Byalobzhesky, S.G., Sosunov, G.M., Shpikennan, V.I., and Gorodinsky, M.E., 1993, Metallogenesis of mainland Alaska and the Russian Northeast: Mineral deposit maps, models, and tables, metallogenic belt maps and interpretation, and references cited: U.S. Geological Survey Open-File Report 93-339, 222 pages, 1 map, scale 1:4, 000,000, 5 maps, scale 1:10,000,000.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Baranov, B.V., Byalobzhesky, S.G., Bundtzen, T.K., Feeney, T.D., Fujita, K., Gordey, S.P., Grantz, A., Khanchuk, A.I., Natahn, B.A., Natapov, L.M., Norton, I.O., Patton Jr., W.W., Plafker, G., Scholl, D.W., Sokolov, S.D., Sosunov, G.M., Stone, D.B., Tabor, R.W., Tsukanov, N.V., and Vallier, T.L., 1997c, Summary Circum-North Pacific tectono-stratigraphic terrane map: U.S. Geological Survey, Open File Report 96-727, 1 sheet, scale 1:10,000,000; Geological Survey of Canada, Open File 3428, 1 sheet, scale 1:10,000,000.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Baranov, B.V., Byalobzhesky, S.G., Bundtzen, T.K., Feeney, T.D., Fujita, Kazuya, Gordey, S.P., Grantz, A., Khanchuk, A.I., Natal'in, B.A., Natapov, L.M., Norton, I.O., Patton, W.W. Jr., Planer, G., Csholl, D.W., Sokolov, S.D., Sosunov, G.M., Stone, D.B., Tabor, R.W., Tsukanov, N.V., Vallier, T.L. and Wakita, Koji, 1994c, Circum-North Pacific tectonostratigraphic terrane map: U.S. Geological Survey Open-File Report 94-714, 221 pages, 2 sheets, scale 1:5, 000,000; 2 sheets, scale 1: 10,000,000.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Norton, I.O., Khanchuk, A.I., Stone, D.B., Scotese, C.R., Scholl, D.W., and Fujita, K., 2001, Phanerozoic tectonic evolution of the Circum-North Pacific: U.S. Geological Survey Professional Paper 1626, 122 p.
- Nokleberg, W.J., West, T.D., Dawson, K.M., Shpikerman, V.I., Bundtzen, T.K., Parfenov, L.M., Monger, J.W.H., Ratkin, V.V., Baranov, B.V., Byalobzhesky, S.G., Diggles, M.F., Eremin, R.A., Fujita, K., Gordey, S.P., Gorodinskiy, M.E., Goryachev, N.A., Feeney, T.D., Frolov, Y.F., Grantz, A., Khanchuk, A.I., Koch, R.D., Natalin, B.A., Natapov, L.M., Norton, I.O., Patton, W.W. Jr., Plafker, G., Pozdeev, A.I., Rozenblum, I.S., Scholl, D.W., Sokolov, S.D., Sosunov, G.M., Stone, D.V., Tabor, R.W., Tsukanov, N.V., and Vallier, T.L., 1998, Summary terrane, mineral deposit, and metallogenic belt maps of the Russian Far East, Alaska, and the Canadian Cordillera: U.S. Geological Survey Open-File Report 98-136, 1 CD-ROM.
- Nozhkin, A.D., and Trofimov, Yu.P., 1982, Alkali-granite-sienite association of Srednevorogovsk massif (Yenisey Ridge), *in* *Geology of base-metal deposits in folded boundary of the Siberian Platform*: Nauka, Novosibirsk, p. 61-69 (in Russian).
- Nozhkin, A.D., Turkina, O.M., 1989, Geochemistry and Sn mineralization of leucogranitic association (Yenisey Ridge), *in* *Geochemistry of Rare-Metal, REE and Radioactive Elements in Rock- and Ore-Forming Processes*: Nauka, Novosibirsk, p. 37-67 (in Russian).
- Obolenskaya, R.V., 1971, The Chui Complex of alkaline basaltoids of Gornyi Altai: Nauka, Novosibirsk, 147 p. (in Russian).
- Obolenskaya, R.V., 1983, Mesozoic magmatism of Altai-Sayan folded province: Nauka, Novosibirsk, 48 p. (in Russian).
- Obolenskaya, R.V., and Firsov, L.V., 1966, About early Mesozoic age of mica lamporphyry of the Chui Complex in Gornyi Altai: Report of U.S.S.R. Academy of Sciences, v. 170, no. 4., p. 916-919. (in Russian).
- Obolenskiy, A.A., 1981, Kuznezsk-Altai mercury belt: *Geology of Ore Deposits*, v. XXIII, no. 3, p. 55-66 (in Russian).
- Obolenskiy, A.A., 1984, About genetic origin of ore-formations of epithermal hydrothermal deposits of Mongolia and south Siberian, *in* *Endogenic I of Mongolia*: Nauka ,Novosibirsk, p. 163-172 (in Russian).

- Obolenskiy, A.A., 1985, Genesis of deposits of mercury ore-formation in the Southern Siberian Metallogenic province and Mongolia: Nauka, Novosibirsk, 194 p. (in Russian).
- Obolenskiy, A.A., 1985, Genesis of deposits of mercury ore formation: Nauka, Novosibirsk, 194 p. (in Russian).
- Obolenskiy, A.A., Distanov, E.G., and Sotnikov, V.I., 1999, Metallogeny of the Central Asian orogenic belt: Geology and Geophysics, v. 40, no. 11, p. 1588-1604 (in Russian).
- Obolenskiy, A.A., 1960, On the structural interrelations of ore veins at one of the stockwork deposits: Geology of Ore Deposits, no 9, p. 42-52 (in Russian).
- Obolenskiy, A.A., and Obolenskaya, R.V., 1968, Relation of mercury deposits to magmatism and the nature of ore-forming solutions, *in* Problems of Metallogeny of Mercury (data for Siberia and the Far East): Nauka, Moscow, p. 79-100 (in Russian).
- Obolenskiy, A.A., Rodionov, S.M., Ariunbileg, Sodov, Dejidmaa, Gunchin, Distanov, E.G., Dorjgotov, Dangindorjiin, Gerel, Ochir, Hwang, Duk Hwan, Sun, Fengyue, Gotovsuren, Ayurzana, Letunov, S.N., Li, Xujun, Nokleberg, W.J., Ogasawara, Masatsugu, Seminsky, Z.V., Smelov, A.P., Sotnikov, V.I., Spiridonov, A.A., Zorina, L.V., and Yan, Hongquan, 2003b, Preliminary mineral deposit models for Northeast Asia (Adobe Acrobat PDF and Word versions), *in* Nokleberg, W.J., and 10 others, eds.: Preliminary Publications Book 2 from Project on Mineral Resources, Metallogenesis, and Tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 03-203 (CD-ROM), 47 p.
- Obolenskiy, A.A., Rodionov, S.M., Dejidmaa, Gunchin, Gerel, Ochir, Hwang, Duk Hwan, Miller, R.J., Nokleberg, W.J., Ogasawara, Masatsugu, Smelov, A.P., Yan, Hongquan, and Seminsky, Z.V., with compilations on specific regions by Ariunbileg, Sodov, Biryul'kin, G.B., Byamba, Jamba, Davydov, Y.V., Distanov, E.G., Dorjgotov, Dangindorjiin, Gamyarin, G.N., Fridonskiy, V.Yu., Goryachev, N.A., Gotovsuren, Ayurzana, Khanchuk, A.I., Kochnev, A.P., Kostin, A.V., Kuzmin, M.I., Letunov, S.A., Li, Jiliang, Li, Xujun, Malceva, G.D., Melnikov, V.D., Nikitin, V.M., Parfenov, L.M., Popov, N.V., Prokopiev, A.V., Ratkin, V.V., Shpikerman, V.I., Sotnikov, V.I., Spiridonov, A.V., Stogniy, V.V., Sudo, Sadahisa, Sun, Fengyue, Sun, Jiapeng, Sun, Weizhi, Supletsov, V.M., Timofeev, V.F., Tyan, O.A., Vetluzhskikh, V.G., Waktu, Koji, Xi, Aihua, Yakovlev, Y.V., Zhizhin, V.I., Zinchuk, N.N., and Zorina, L.M., 2003a, Preliminary metallogenic belt and mineral deposit location maps for Northeast Asia (Paper Print-On-Demand and Web versions), U.S. Geological Survey Open-File Report 03-204, 1 sheet, scale 1:7,500,000, 3 sheets, scale 1:15,000,000, explanatory text, 143 p.
- Obolenskiy, A.A., Sotnikov, V.I., and Sharapov, V.N., eds., 1988, Ore-formation and genetic models of the endogenous ore associations: Nauka, Novosibirsk, 344 p. (in Russian).
- Obolenskiy, A.A., Vasil'ev, V.I., and Obolenskaya, R.V., 1968, Geological construction and genesis of Belo-Osipovsk mercury deposit in Kuznetsk Alatau, *in* Ore Associations and Genesis of Endogenous Deposits of Altai-Sayan Area: Nauka, Moscow, p. 56-75. (in Russian).
- Obruchev, V.V., 1928, Various investigations on ore deposit systematics: Journal of Mineralogy, Geology, and Paleontology, v. A., no. 4, p. 143-146 (in German).
- Ochirbat, P., 1998, Uranium investigation, strategy of Uranium Industry, *in* Strategy and Ecology of Development of Mineral Wealth Complex of Mongolia: Interpress, Ulaanbaatar, p.29-98 (in Mongolian).
- Odintsova, I.V., and Levitsky, V.V., 1983, Application of magmatic ore-controlling factors in local forecast as exemplified by the Bodaibo and Muysky regions, *in* Fomin, I.N., ed., New Data on Metallogeny of Transbaikalia: Transbaikalian Research Institute, Chita, p. 116-114 (in Russian).
- Ognyanov, N.V., 1986, Geology of tin-bearing districts and deposition of the Khingan-Okhotsk tin-bearing area, *in* Lugov, S.F., ed., Geology of tin deposits of the U.S.S.R: Nedra, no. 1, p. 340-399 (in Russian).
- Oh, M.S., and Kim, Y.D., 1980, Geology and ore deposits of Youngdeog mine, Moggye mineralized zone: Korea Institute of Geoscience and Mineral Resources, Report on Geoscience and Mineral Resources, v. 8, p. 71-98 (in Korean).
- Ohtagaki, T., Tsukada, Y., Hirayama, H., Fujioka, H., and Miyoshi, T., 1974, Geology of the Shakanai mine, Akita Prefecture: Mining Geology Special Issue, no. 6, p. 131-139.
- Okami, K., and Ehiro, M., 1988, Review and recent progress of studies on the pre-Miyakoan sedimentary rocks of the Northern Kitakami Massif, Northeast Japan: Earth Science (Journal Association of Geological Collaboration Japan), v. 42, p. 187-201 (in Japanese with English abstract).
- Okhapkin, N.A., Miroshnikov, A.E., Brovko, G.N., and Kornev, T.Ya, 1976, Description of ore deposits of Yenisei polymetallic belt, *in* Polymetallic Ore Mineralization of Yenisei Ridge: Transactions of Siberian Research, Geological, Geophysical and Mineral Resources Institute, U.S.S.R. Academy of Sciences, Krasnoyarsk, v. 20, p. 38-51 (in Russian).
- Omelyanenko, S.A., Kulagashev, A.I., and Golev, V.K., 1973, Some prospecting evidence of intra-intrusive chambers as exemplified by the Shumilovsky tin-tungsten deposit, *in* Geology, Prospecting, and Assessment of Deposits in Transbaikalia: Transbaikalian Research Institute, Chita, p. 14-17 (in Russian).
- Onikhimovkiy, V.V., and Belomestnykh, Yu.S., 1996, Useful minerals of Khabarovsk Krai: Dalgeocenter, Khabarovsk, 496 p.
- Ontoev, D.O., 1960, Some data on geology and zonation of mineralization of Khapcheranga deposit (Eastern Transbaikalia): Geology of Ore Deposits, no. 5, p. 55-71 (in Russian).
- Ontoev, D.O., 1966, Chemistry of rock-alteration processes and of fluorite-rare earth elements in iron-ore genesis: Geology of Ore Deposits, no. 4, p. 63-68 (in Russian).
- Ontoev, D.O., 1974, Stages of mineralization and zonation of deposits of Transbaikalia: Nauka, Moscow, 242 p. (in Russian).
- Orlov, A.N., 1994, Ore-bearing complexes in the substratum rocks and crusts of weathering of the Tomtor massif of ultrabasic alkaline rocks and carbonatites: Russia Geology, no. 8, p. 63-68 (in Russian).
- Orlov, V.P., ed., 1998, Iron-ore mineral resources of Russia: GeoInformMark, Moscow, 848 p. (in Russian).
- Orlova, P.V., 1958, Lithology, conditions of formation and distribution pattern of bauxites of the Bokson deposit, *in* Bauxites, Their Mineralogy and Genesis: U.S.S.R. Academy of Sciences, Moscow, p. 267-281 (in Russian).

- Orlovsky, V.V., Gryazev, V.A., Levshuk, A.E., and others, 1988, On two porphyry mineralization types in the northern Primorye, *in* Vlasov, G.M., ed., *Porphyry-type mineralization in the Russian Far East: U.S.S.R. Academy of Sciences, Institute of Tectonics and Geophysics, Khabarovsk*, p. 121-134 (in Russian).
- Ovchinnikov, L.N., and Voronovskiy, S.N., 1974, Age dating of ore deposits, *in* *New Data on Isotopic Geochronology: Nauka, Moscow*, p. 18-27 (in Russian).
- Oyungerel, S., and Takahashi, Y., 1999, New radiometric age of the granitoids in Bayanhongor area, central Mongolia: *Mongolian Geoscientist*, no. 13, p. 38-40.
- Ozerova, N.A., Berger, V.I., Vinogradov, V.I., Maslennikov, V.I., Nosik, L.P., and Gubanov, I.V., 1990, Sources of sulfur for mercury and antimony deposits of the Verkhoyansk-Kolyma province, *in* *Sources of Ore Matter and Physico-Chemical Conditions of Epithermal Ore Formation: Nauka, Novosibirsk*, p. 5-23 (in Russian).
- Pakhomova, V., Silyanik, V., Popov, V., and Logvenchev, P., 1997, Fluid inclusions in local metallogenic research, *in* *Magmatic-Metamorphic Processes: Abstracts/Resumes XIV ECROFI (Current European Research on Fluid Inclusions)*, Nancy, France, p. 253-254.
- Panina, L.I., 1972, Mineralogical-genetic characteristics of some alkaline massifs of Pribaikalia: *Nauka, Novosibirsk*, 127 p. (in Russian).
- Parfenov, L.M., 1995a, Terrane analysis of the Mesozoic orogenic belts of the Russian Northeast [abs.]: *Geological Society of America Abstracts with Programs*, v. 27, p. 70-71.
- Parfenov, L.M., 1995b, Terranes and formation of the Mesozoic orogenic belts of eastern Yakutia: *Pacific Ocean Geology*, v. 14, no.6, p. 32-43 (in Russian).
- Parfenov, 1995c, Tectonics and regional metallogeny of the Verkhoyansk-Kolyma region, *in* Bundtzen, T.K., Fonesca, A.L., and Mann, R., eds. *The Geology and Mineral Deposits of the Russian Far East: Glasier House Publications and the Alaska Miners Association, Anchorage, Alaska*, p. 61-84.
- Parfenov, L.M., and Kuz'min M.I., eds., 2001, *Tectonics, geodynamics, and metallogeny of the territory of the Sakha Republic (Yakutia): MAIK Nauka/Interperiodika, Moscow*, 600 p. (in Russian).
- Parfenov, L.M., Khanchuk, A.I., Badarch, Gombosuren, Miller, R.J., Naumova, V.V., Nokleberg, W.J., Ogasawara, Masatsugu, Prokopiev, A.V., and Yan, Hongquan, with contributions on specific regions by Belichenko, Valentina, Berzin, N.A., Bulgatov, A.N., Byamba, Jamba, Deikunenko, A.V., Dong, Yongsheng, Dril, S.I., Gordienko, I.V., Hwang, Duk Hwan, Kim, B.I., Korago, E.A., Kos'ko, M.K., Kuzmin, M.I., Orolmaa, Demberel, Oxman, V.S., Popeko, L.I., Rudnev, S.N., Sklyarov, E.V., Smelov, A.P., Sudo, Sadahisa, Suprunenko, O.I., Sun, Fengyue, Sun, Jiapeng, Sun, Weizhi, Timofeev, V.F., Tretyakov, F.F., Tomurtogoo, Onongin, Vernikovskiy, V.A., Vladimiro, A.G., Wakita, Koji, Ye, Mao, and Zedgenizov, A.N., 2003, Preliminary Northeast Asia geodynamics map: U.S. Geological Survey Open-File Report 03-205, 2 sheets, scale 1:5,000,000.
- Parfenov, L.M., Vetluzhskikh V.G., Gamyaniin G.N., Davydov Yu.V., Deikunenko A.V., Kostin A.V., Nikitin V.M., Prokopiev A.V., Smelov A.P., Supletsov V.M., Timofeev V.F., Fridovskiy V.Yu., Kholmogorov A.I., and Yakovlev Ya.V., 1999, Main metallogenic units of the Sakha Republic (Yakutia), Russia: *International Geology Review*, v. 41, no. 5, p. 425-457.
- Parfenov, L.M., Vetluzhskikh, V.G., Gamyaniin, G.N., Davydov, Yu.V., Deikunenko, A.V., Kostin, A.V., Nikitin, V.M., Prokopiev, A.V., Smelov, A.P., Supletsov, V.M., Timofeev, V.F., Fridovsky, V.YU., Kholmogorov, A.I., and Yakovlev, Ya.V., 1999, Metallogenic zonation of the territory of Sakha Republic: *Pacific Ocean Geology*, no. 2, p. 8-40.
- Park, B.C., Shin, J.B., and Kim, C.M., 1964, Drilling report on investigation of Hanjin gold placer: *Geological Survey of Korea Bulletin 7*, p. 53-66 (in Korean).
- Park, J.K., and Hwang, D.H., 1995, Magnetite-Monazite-apatite-strontianite-barite mineralizations, Proterozoic carbonate rocks, Hongchon-Jaun area, Kangwon-do, Korea: *Korea Institute of Geology, Mining and Materials Report KR-95(C)-10*, p. 3-58 (in Korean).
- Park, N.Y., 1963, Report on the Kuryong iron deposits: *Korea Institute of Geology and Mineral Resources Bulletin 6*, p. 5-24 (in Korean).
- Park, N.Y., and Chung, K.S., 1968, Report on the Bupyong silver mine lead deposits: *Geological Survey of Korea Bulletin 10*, p. 5-32 (in Korean).
- Park, N.Y., Hwang, D.H., Kim, M.S., and Kim, C.G., 1988, A study on geology, metallic mineral deposits and drilling exploration of the Chungmu-Goseong Regionally mineralized area: *Korea Institute of Energy and Resources Report KR-88-2A-1*, p. 5-50, 100-119 (in Korean).
- Park, N.Y., Kim, S.Y., An, H.R., and Park, J.K., 1969, Regional survey of Kyongju molybdenum deposits: *Geological Survey of Korea Bulletin 11*, p. 5-28 (in Korean).
- Pasova, F.G., and Spirin, S.L., 1970, Mesozoic bauxite-bearing deposits and weathering crust at the Siberian Platform: *Soviet Geology*, no. 7, p. 3-18 (in Russian).
- Pavlov, A.N., 1971, On metallogeny of mercury in the Tuva: *Contributions to Tuba U.S.S.R. Geology*, v. 2: Kyzyl, Tuva Book Publishing Company, p. 139-141 (in Russian).
- Pavlov, N.V., 1961, Magnesian-magnetite ore deposits of Tungus syncline of Siberian Platform: U.S.S.R. Academy of Sciences Publishing House, Moscow, 224 p. (in Russian).
- Pavlov, S.F., ed., 1969, *Geological Studies of the U.S.S.R: Institute of the Earth's Crust, Irkutsk*, v. 24, issue II, 700 p. (in Russian).
- Pecherkin, Yu.N., and Solovyev, N.S., 1984, Result of exploration carried out in Dornot volcanic-tectonic structure: *Geologic Information Center, Ulaanbaatar, Mongolia, Open-File Report 2466* (in Russian).
- Pei, Rongfu, 1994, *Deposit models of China: Geological Publishing House Beijing*, 357 p., (in Chinese).

- Peltek, E.I., 1967, Types of bauxite deposits of the Siberian Platform and some peculiarities of their formation and distribution: Transactions of Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy of Raw Materials, U.S.S.R. Academy of Sciences, Novosibirsk, v. 58, p. 3-18 (in Russian).
- Peltek, E.J., 1971, Bauxite deposits of the Yenisey Ridge and Siberian Platform, *in* Platform of the U.S.S.R.: Nauka, Moscow, p. 221-262 (in Russian).
- Peltek, E.I., 1969, Distribution of bauxite deposits in southwest part of Siberian Platform and Enisey Ridge, *in* Materials on Geology and Mineral Resources of Krasnoyarsk region: Krasnoyarsk Publishing House, Krasnoyarsk, no. 6, p. 98-105 (in Russian).
- Peng, Qiming, Feng, Benzhi, Liu, Jingdong, and Zhou, Ri, 1993, Geology of the Early Proterozoic boron deposits in eastern Liaoning, Northeastern China: Resource Geology Special Issue, no.15 p. 343-350.
- Petrachenko, E.D., and Petrachenko, R.I., 1985, Copper-molybdenum mineralization in the Kuril-Kamchatka arc and the East Sikhote-Alin volcanic belt: U.S.S.R. Academy of Sciences, Far East Geological Institute, Vladivostok, 275 p. (in Russian).
- Petrachenko, R.I., Oleinikov, A.V., and Petrachenko, E.D., 1988, Ore in Cretaceous to Paleocene plutonic complexes of the northern Sikhote-Alin Area, *in* Vlasov, G.M., ed., Porphyry-Type Mineralization in the Russian Far East: U.S.S.R. Academy of Sciences, Institute of Tectonics and Geophysics, Khabarovsk, p. 75-93 (in Russian).
- Petrov, M.M., and Mkrtychan, A.K., 1976, Perspectives of extraction of mineral resources for molybdenum industry in Krasnoyarsk region: Prospecting and Mineral Resources Protection, no. 2, p. 21-24 (in Russian).
- Petrov, V.G., 1974, Gold mineralization conditions in the northern part of Yenisey Ridge: Nauka, Novosibirsk, 184 p. (in Russian).
- Petrovskaya, N.V., 1973, Massive gold: Nauka, Moscow, 347 p. (in Russian).
- Petrovskaya, N.V., 1967, Mineral associations in gold-ore deposits of Soviet Union: Transactions of Central Research Geological-Exploration Institute, Moscow, no. 76, p. 78-112 (in Russian).
- Petrovskaya, N.V., Bernshtein, P.S., Mirchink, S.G., and Andreeva, M.G., 1961, Geological structure, mineralogy and features of genesis of gold ore deposits of the Baley ore field (Eastern Transbaikalia): Proceedings, Central Research Geological-Exploration Institute, Moscow, no. 45, parts I-II, 98 p. (in Russian).
- Petrovskaya, S.G., and Spiridonov, A.M., 1977, Zonation of geochemical haloes, hydrothermally altered rocks, and veinlet formations of molybdenum deposits (Western Transbaikalia): Geology and Geophysics, no. 3, p. 64-71 (in Russian).
- Pettijohn, F.J., 1981, Sedimentary rocks, Nedra, Moscow, 751 p. (in Russian).
- Philippov, A.N., 1990, Formation of West Sikhote-Alin volcanic-sedimentary, rocks: U.S.S.R. Academy of Sciences, Far East Geological Institute, Vladivostok, 143 p. (in Russian).
- Pinus, G.V., Kuznetsov, V.A., Vokhov, I.M., 1958, Ultrabasites of Altai-Sayan folded area: Moscow, U.S.S.R. Academy of Sciences Publishing House, 295 p. (in Russian).
- Plyushev, E.V., ed., 2001, Ore knots of Russia: All-Russia Geological Research Institute, Saint Petersburg, 416 p. (in Russian).
- Podleak K.V., Vlasova, D.K., and Kudrya, P.F., 1984, Skarns and connected ores of Mongolia, *in* Endogenic Ore-Bearing Formations of Mongolia: Nauka, Moscow, 149 p. (in Russian).
- Podlessky, K.V., Vlasova, D.K., and Kudrya, P.F., 1988, Skarns and connected ores of Mongolia: Nauka, Moscow, 149 p. (in Russian).
- Pokalov, V.T., 1972, Genetic types and exploration criteria of endogenous deposits of molybdenum: Nedra, Moscow, 169 p. (in Russian).
- Pokalov, V.T., 1978, Shakhtaminsky deposit, *in* Ore Deposits of the U.S.S.R., Nedra, Moscow, v. 3, p. 156-158 (in Russian).
- Pokalov, V.T., 1992, Ore-magmatic systems of hydrothermal deposits: Nedra, Moscow, 288 p. (in Russian).
- Poletaev, I.A., 1973, Metasomatic processes and structural control for formation of pyrite cobalt-bearing ores of Savinsky deposit, Eastern Sayan: Summary of Candidate of Science Thesis, Polytechnical Institute, Irkutsk, 18 p. (in Russian).
- Polyakov, G.V., 1971, Paleozoic magmatism and iron-ore mineralization of the southern and central Siberia: Nauka, Moscow, Press, 311 p. (in Russian).
- Polyakova, O.P., 1963, Lead-zinc deposits of the Kadainsky ore field, *in* Volfson F.I., ed., Problems of Geology and Genesis of Lead-Zinc Deposits of Eastern Transbaikalia: Institute of Geology of Ore Deposits Proceedings, Moscow, no.83, p. 359-368 (in Russian).
- Ponomarev, V.G., Zabirow, Yu.A., 1988, Prospecting indications and evaluation criteria of Pb-Zn mineralization at the Yenisey Ridge: Transactions of Siberian Scientific Research Branch, Institute of Geology, Geophysics, and Mineralogy of Raw Materials, U.S.S.R. Academy of Sciences, Novosibirsk, 141 p. (in Russian).
- Ponomarev, V.G., Vostroknutov, E.P., and Akimtsev, V.A., 1991, The expert system as a method of prospecting of stratabound base-metal ore mineralization: Russian Academy of Sciences, Siberian Branch Press, Novosibirsk, 119 p. (in Russian).
- Popov, V.D., 1981, Features of geological structure and temperature conditions of formation of Egitinsky fluorite deposit: Geology and Geophysics, no. 4, p. 132-134 (in Russian).
- Popov, N.V., Smelov, A.B., Dobretsov, N.N., and others, 1990, The Olondo greenstone belt: Yakutian Institute of Geology, Siberian Branch, U.S.S.R. Academy of Sciences, 172 p. (in Russian).
- Popov, N.V., Popova, M.N., and Smelov, A.P., 1997, First findings of native gold in the Olondo greenstone belt (Aldan shield) and assessment of its gold potential: Russian Academy of Sciences Transactions, Russian Academy of Sciences, Moscow, v. 356, no. 2, p. 234-237 (in Russian).
- Popov, N.V., Shaporina, M.N., Amuzinsky, V.A., Smelov, A.P., and Zedgenizov, A.N., 1999, Metallogeny of gold of the Aldan shield., v. 40, no. 5, p. 716-728 (in Russian).
- Popov, V.E., 1967, Devonian sedimentary-volcanogenous strata of the western part of Gorny Altai and their metallogeny: Nedra, Leningrad, 151 p. (in Russian).

- Popov, V.S., Kudryavtsev, Yu.K., Altukhov, E.N., and others, 1988, Geological position of copper-molybdenum-porphry ore mineralization of Altai-Sayan folded area: *Geology of Ore Deposits*, v. 30, no. 3, p. 84-89 (in Russian).
- Potapiev, V.V., 1965, Granites of the Kolyvansk massif and related mineralization, *in* *Geology and Geochemistry of ore deposits in Siberia*: Nauka, Novosibirsk, p. 39-115 (in Russian).
- Pozharitskaya, L.K., and Samoilov, V.S., 1972, Petrology, mineralogy and geochemistry of carbonatites of eastern Siberia: Nauka, Moscow, 265 p. (in Russian).
- Poznyak, V.O., and Dejidmaa, G., 1977, Some regularities of distribution of gold mineralization in northwestern Khentii and its vicinity, *in* *Geological Setting and Distribution Regularities of Major Mineral Resources Deposits in the Territory of Mongolian Peoples's Republic*: Nedra, Moscow, p. 67-77. (in Russian).
- Pratt, W.P., ed., 1981, Metallic mineral-resource potential of the Rolla quadrangle, Missouri, as appraised in September 1980: U.S. Geological Survey Open-File Report 81-518, 77 p., 11 plates, scale 1:250,000.
- Prochorova, S.M., Evzikova, I.K., and Mikhailova, A.F., 1966, Phlogopite-bearing of Maimecha-Kotui province of ultramafic alkali rocks: Nedra, Moscow, 195 p. (in Russian).
- Prokopiev, A.V., Fridovsky, V.Yu., and Deikunenko, A.V., 2001, Some aspects of the tectonics of the Verkhoyansk fold-and-thrust belt (northeast Asia) and structural setting of the Dyandi gold ore cluster: *Polarforschung*, v. 69, p. 169-176.
- Purevsuren, B., Enhtor, D., and Narantsetseg, O., 2000, Results of 1:50,000 scale geological mapping, Darhan city: Geologic Information Center of Mongolia Open File Report 5337 (in Mongolian).
- Pyatov, O.I., 1984, Middle Paleozoic granitoids of Kandat zone (northeast Tuva) and their ore mineralization, *in* *Petrology and Mineral Deposits of Krasnoyarsk Region*: Nauka, Novosibirsk, p. 11-15 (in Russian).
- Qu, Xueqin, Mu, Zhongyan, and Hong, Changzheng, 1992, Analysis on the ore-forming model of the Wuxing sulphide copper-nickel type of platinum-pladium deposit in Heilongjiang province: *Heilongjiang Geology*, v. 3, no. 2, p. 31-35 (in Chinese).
- Radkevich, E.A., 1982, Metallogeny of Circum-Pacific ore belt, *in* *Metallogeny of Circum-Pacific: Far Eastern Branch*, U.S.S.R. Academy of Sciences, p.3-16 (in Russian).
- Radkevich, E.A., ed., 1991, Pacific margin of Asia: Metallogenesis: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, 204 p. (in Russian).
- Radkevich E.A., Moiseenko V.G., Molchanov P.Ya., Melnikov V.D., and Felavanov, I.I., 1969, The Tokur deposit as a representative of a quartz low-sulfide formation, *in* Radkevich, E.A., ed. *Gold formations of the Russian Far East*: Nauka, Moscow, p. 61-73.
- Rafienko, N.I., 1961, Pre-dike mineralization manifestation in Kalguta rare-metal deposit, *in* *Materials on Geology and Mineral Resources of Siberia*: State Geological and Technical Literature Publishing House, Moscow, p. 39-46 (in Russian).
- Ratkin, V.V., 1991, On the relationship of skam borosilicate and polymetallic ores of the Dalnegorsk ore district, *in* Shcheka, S.A., ed., *Ore Deposits of the Russian Far East: Mineralogical Criteria for Prediction, Prospecting, And Estimation*: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, 112 p. (in Russian).
- Ratkin, V., 1995, Pre- and post-accretionary metallogeny of the southern Russian Far East: *Resource Geology, Special Issue no. 18*, p. 127-133.
- Ratkin, V.V., and Khanchuk, A.I., 1995, Lode mineral deposits of the southern Russian Far East, *in* Bundtzen, T.K., Fonseca, A.L., and Mann, Roberta, eds., *The Geology and Mineral Deposits of the Russian Far East*: Alaska Miners Association, Glacier House Publications, Anchorage, Alaska, p. 85-89.
- Ratkin V.V., Khetchikov, L.N., and Dmitriev, V.E., 1992, On the role of colloids and paleohydrothermal cavities for the formation of rhythmically banded ore of the Dalnegorsk borosilicate deposit: *U.S.S.R. Academy of Sciences Transactions*, v. 325, p. 1214-1217. (in Russian).
- Ratkin, V.V. and Watson, B.N., 1993, Dalnegorsk borosilicate deposits: Geology and sources of boron on the basis of isotope data: *Pacific Ocean Geology*, no. 6, p. 95-102 (in Russian).
- Ratkin, V.V., Simanenkov, L.F., Kuznetsov D.N., and Korol R.V., 1990, Tin-zinc ores of East Sikhote-Alin volcanic belt: *Geology of Ore Deposits*, no. 2, p. 68-77 (in Russian).
- Ratkin, V.V., Simanenkov, L.F., and Logvenchev, P.I., 1991, Mineralogical and geochemical zoning of skam and vein polymetallic deposits of the Dalnegorsk district as a basis for local prediction of the vertical distribution of the deposit, *in* Shcheka, S.A., ed., *Ore Deposits of the Russian Far East: Mineralogical Criteria for Prediction, Prospecting, And Estimation*: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, p. 33-35 (in Russian).
- Rauzer A.A., Janchiv, G., and others, 1987, Results of 1:200,000 scale geological mapping and general prospecting: Geologic Information Center, Ulaanbaatar, Mongolia, Open-File report 4861 (in Russian).
- Ravich, M.G., 1959, Metallogeny of small intrusions of Gorny Taimyr region, *in* *Regularities of Mineral Deposit Distribution*, v. II: U.S.S.R. Academy of Sciences Publishing House, Moscow, p. 289-307 (in Russian).
- Ravich, M.G., and Markov, F.G., 1959, Main features of geology and metallogeny of Gorny Taimyr: *Soviet Geology*, no. 5, p. 11-24 (in Russian).
- Reif, F.G., and Bazheev, E.D., 1982, Magmatic processes and tungsten mineralization: Nauka, Novosibirsk, 286 p. (in Russian).
- Remane, Jurgen, 1998, Explanatory note to global stratigraphic chart, *in* *Circular of International Subcommission on Stratigraphic Classification (ISSC) of IUGS Commission on Stratigraphy*, Appendix B: International Union of Geological Sciences (IUGS) Commission on Stratigraphy, v. 93, 11 p.
- Renne, P.R., and Basu, A.R., 1991, Rapid eruption of the Siberian traps flood basalts at the Permo-Triassic boundary: *Science*, v. 253, p. 176-179 (in Russian).
- Rikhvanov, L.P., Plusnin, G.S., and Ershov, V.V., 1987, On the genesis of radiogeochemically specialized volcanites of the southern Siberia: *Geochemica*, no.12, p. 1740-1750 (in Russian).

- Rodionov, S.M., 1988, Geology of porphyry-tin deposits of the Zvezdny ore district in Primorye: *Geology of Ore Deposits*, no. 6, p.43-53 (in Russian).
- Rodionov, S.M., 2000, Tin metallogeny of the Russian Far East, *in Ore-bearing Granites of Russia and Adjacent Countries: Institute of Geochemistry of Rare Element Deposits*, U.S.S.R. Academy of Sciences, Moscow, p. 237-262 (in Russian).
- Rodionov, S.M., and Nokleberg, W.J., 2000, Mineral deposit models for Northeast Asia [abs.], *in Mineral Resources and Tectonics of Northeast Asia: Institute for Transfer of Industrial Technology International Symposium June 8-9, Abstracts*, Agency of Industrial Science and Technology Research Center, Tsukuba, Japan, p. 51-53.
- Rodionov, S.M., Obolenskiy, A.A., Khanchuk, A.I., Dejidmaa, G., Hongquan, Y., Hwang, D.H., and Nokleberg, W.J., 2000, Metallogenic belts of Northeast Asia: Definitions, principles, and examples [abs.], *in Mineral Resources and Tectonics of Northeast Asia: Institute for Transfer of Industrial Technology International Symposium, June 8-9, Abstracts*. Agency of Industrial Science and Technology Research Center, Tsukuba, Japan, p. 82-83.
- Rodionov, S.M., and Rodionova, L.N., 1980, About volcanic-intrusive genesis of ores of Tigrinoe deposit, *in Volcanogenic mineralization in Russian Far East: U.S.S.R. Academy of Sciences, Vladivostok*, p. 69-73 (in Russian).
- Rodionov, S.M., Rodionova, L.N., and Shapenko, V.V., 1987, Cassiterite-quartz mineralization of Central Sikhote-Alin, *in Mineralogy of Ore Districts of Soviet Far East: U.S.S.R. Academy of Sciences, Vladivostok*, p. 4-14 (in Russian).
- Rodionov, S.M., Shapenko, V.V., and Rodionova, L.N., 1984, Structure and genesis of tin-tungsten deposits of Central Sikhote-Alin: *Geology of Ore Deposits*, no. 1, p. 22-30 (in Russian).
- Romanovich, I.F., Koplus A.V., and Timofeev, I.N., 1982, Economic types of deposits of useful non-metalliferous minerals: Nedra, Moscow, p. 207 (in Russian).
- Roslyakov, N.A., and Sviridov, V.G., eds., 1998, Geological structure and mineral resources of West Siberia: United Institute of Geology and Geophysics, Siberian Branch, Russian Academy of Sciences, Novosibirsk, v. 2, 254 p. (in Russian).
- Rostovsky, F.I., Ivankin, A.N., and Nikolaeva, A.N., 1987, On polyfunctional skarn-scheelite-sulfide mineralization in Primorye, *in Levashov, G.B., ed., Phanerozoic Magmatism of the Sikhote-Alin Volcanic Belt: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok*, p. 142-154. (in Russian).
- Rotarash, I.A., Samygin, S.G., Gredyushko, E.A., Keilman, G.A., Mileev, V.S., and Perfil'ev, A.S., 1982, Devonian active continental margin in the Southwestern Altai: *Geotectonics*, no.1, p. 44-59 (in Russian).
- Rozhdestvensky, V.S., 1987, Tectonic evolution of the Sakhalin Island: *Pacific Ocean Geology*, no. 3, p. 42-51 (in Russian).
- Rozhkov, I.S., Grinberg, G.A., Gamyarin, G.N., Kukhtinskiy, Yu.G., and Solovyev, V.I., 1971, Late Mesozoic magmatism and gold mineralization of the Upper Indigirka region: *Nauka, Moscow*, 238 p. (in Russian).
- Rub, M.G., Gladkov, N.G., Pavlov, V.A., and Shershakov, B.I., 1974, New data on age of igneous rocks of the western Kavalerovo district, Primorye: *U.S.S.R. Academy of Sciences Transactions, Geology Series*, no. 12, p. 36-45 (in Russian).
- Rubanov, V.A., Mitrofanov, L.F., and Mikov, A.D., 1970, Geological structure and features of ore bodies and location in the Irokinda-Kindikansky Field, *in Problems of Geology of Gold Deposits: Tomsk Polytechnic Institute Transactions*, v. 239, p. 322-325 (in Russian).
- Ruchkin G.V., Ivakin A.N., Shnyder, M.S., and Rodionov, S.M., 1986, Geological structure and genesis of tin-tungsten deposit of stockwork types in Primorie: *Pacific Geology*, no. 2, p. 68-75 (in Russian).
- Ruchkin, G.V., Bogovin, V.D., Donets, A.I., Isakovich, I.I., Konkin, V.D., Krutty, V.M., 1977, Lead-zinc mineralization hosted by Vendian carbonates in the southeastern Yakutia: *Geology of Ore Deposits*, v. 4, p. 3-20 (in Russian).
- Rudnik, V.A., ed., 1989, Ancient rocks of the Aldan-Stanovoy shield, *in Guide-book for the International Geologic Excursion for project MPGK 280 on Ancient rocks of the Earth: Nauka, Leningrad*, 260 p. (in Russian).
- Rui, Xinjia, and others, 1993, Primary gold deposits in Altay, Xinjiang, *in Ministry of Geology and Mineral Resources, People's Republic of China, Geological Memoirs, series 4, no. 32: Geology Publishing House, Beijing*, 275 p. (in Chinese).
- Rui, Zongyao, 1994, Nonferrous metallic deposit in the Yanji-Yinbian Mesozoic activizing region, *in Rui, Zongyao, Shi, Lindao, and Fang, Ruhing, and others, Geology of Nonferrous Metallic Deposits in the Northern Margin of the North China Landmass and Adjacent Area, Geology Publishing House, Beijing*, p. 299-304 (in Chinese).
- Rui, Zongyao, 1994, Discussion on major ore-control factors, *in Rui, Zongyao, Shi, Lindao, and Fang, Ruheng, and others, Geology of Nonferrous Metallic Deposits in the Northern margin of the North China Landmass and Adjacent Area, Geology Publishing House, Beijing*, p. 453-488 (in Chinese).
- Rui, Zongyao, 2000, The study on porphyry Cu deposits of Northwest, Northeast, and North China, *in Tu, Guangzhi, and others, Superlarge Mineral Deposits of China, v. 1: Science Press, Beijing*, p. 397-425 (in Chinese).
- Rui, Zongyao, Shi, Lindao, and Fang, Ruheng, ed., 1994, *Geology of nonferrous metallic deposits in the northern margin of the North China landmass and adjacent area: Geological Publishing House, Beijing*, 576 p., (in Chinese).
- Rundquist, D.V., Bobrov, V.A., Smirnova, T.N., and others, 1992, Stages of formation of Bodaibo gold ore region: *Geology of Ore Deposits*, no. 6, p. 3-15 (in Russian).
- Ruzhentsev, S.V., Badarch, G., Voznesenkaya, T.A., and Markova, N.G., 1990, Tectonics of southern Mongolia, *in Evolution of Geological Process and Metallogenesis of Mongolia: Nauka, Moscow*, p. 111- 117 (in Russian).
- Ruzhentsev, S.V., and Pospelov, P.I., 1982, The South Mongolian Variscian fold system: *Geotectonics*, v. 26, p. 383-395.
- Ryabchenko, V.M., 1983, Explosions and ore processes in the Vysokogorsky deposit, *in Scheglov, A.D., ed., Ore Deposits of the Russian Far East: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok*, p. 29-31 (in Russian).
- Ryazantseva, M.D., Gerasimov, N.S., and Govorov, I.N., 1994, Rb-Sr isochrones and petrogenesis of magmatic rocks of Voznesenka ore district (Primorie): *Pacific Geology*, no. 4, p. 60-73 (in Russian).
- Ryazantseva, M.D., 1998, The Voznesenka ore district, *in Seltmann, R., Gonevchuk, G., and Khanchuk, A., eds. International Field Conference in Vladivostok, Russia, September 1998: GeoForschungsZentrum Potsdam (GFZ). Potsdam*, p. 9-22.
- Ryazantseva, M.D., Shkurko, E.I., 1992, Fluorite of Primorye: Nedra, Moscow, 156 p. (in Russian).

- Rytsk, E.Yu., Amelin, Yu.V., Krymsky, R.Yu., and others, 1999, Baikal-Muya belt: Age, stages of formation and evolution of crustal formation (U-Pb, Sm-Nd isotope evidence), *in* Tectonics, Geodynamics and Magmatic Processes: Geos, Moscow, v. 2, p. 93-95 (in Russian).
- Rzhevskiy, V.F., Miroshnikov, A.E., Dushatkin, A.B., and Shklyarik, G.K., 1980, Cu-bearing Upper Cambrian deposits of Igarask region, *in* Processes of Sedimentary and Volcanogenic-Sedimentary Concentrations of Non-Ferrous Metals (Siberia and Far East): Nauka, Novosibirsk, p. 81-84 (in Russian).
- Safonov, Yu. G., 1997, Hydrothermal gold-ore deposits: Distribution, geological and genetical types, and productivity of ore-forming systems: *Geology of Ore Deposits*, v. 39, no. 1, p. 25-40 (in Russian).
- Saito, M., 1958, Metallic ore deposits, *in* Geological Maps of Hokkaido: Geological Survey of Hokkaido: scale 1:200,000, explanatory note, p. 41-51 (in Japanese).
- Saito, M., Banba, T., Sawa, T., Narita, E., Igarashi, T., Yamada, K., and Sato, H., 1967, Metallic and non-metallic ore deposits of Hokkaido: Geological Survey of Japan, 575 p. (in Japanese).
- Sakoda, M., Kodama, K., and Inoue, T., 2000, Mineralization and K-Ar ages of the Ohmori (Iwami) Au-Cu-Ag vein-type deposits, Shimane Prefecture, southwest Japan: *Resources Geology*, v. 50, p. 45-60 (in Japanese with English abstract).
- Salop, L.I., 1967, Geology of Baikal mountainous area: Nedra, Moscow, v. 2, 700 p.(in Russian).
- Saltykovskii, A.K., and Orolmaa, D., 1977, Upper Paleozoic to early Mesozoic volcanism of northern Mongolia and western Zabaikalya: Nauka, Moscow, 202 p. (in Russian).
- Samoilov, V.S., and Kovalenko, V.I., 1983, Complexes of alkaline rocks and carbonatites of Mongolia: Nauka, Moscow, v. 35, 170 p. (in Russian).
- Samoilov, V.S., Kovalenko V.I., Sandimirova G.P., and others, 1986, First Rb-Sr data for ongorhyolites of Mongolia: U.S.S.R. Academy of Sciences Transactions, v. 286, no. 1. p. 168-171 (in Russian).
- Samoilov, V.S., 1977, Carbonatites: Nauka, Moscow, 292 p. (in Russian).
- Samozvantsev, V.A., and others, 1982, Results of 1:200,000 scale geological mapping and general prospecting: Geologic Information Center, Ulaanbaatar, Mongolia, Open-File Report 3576 (in Mongolian).
- Sanin, B.P., and Zorina, L.D., 1980, Formations of lead-zinc deposits of Eastern Transbaikalia: Nauka, Moscow, 184 p. (in Russian).
- Savel'ev, A.K., 1978, Geology of barite deposits: Nedra, Moscow, 189 p. (in Russian).
- Savva, N.E., 1996, Mineral composition and distribution of the ore matter of the Khotoidokh sulfide-polymetallic deposit, *in* Stratiform Mineralization of Sedimentary and Volcanogenic-Sedimentary Formations in northeast Asia: Northeast Integrated Scientific Research Center, Far East Branch, Russian Academy of Sciences, p. 97-116 (in Russian).
- Sazonov, A.M., and Zvyagina, E.A., 1987, On the age relationships of granitoid magmatism and gold mineralization in terrigenous-carbonate sequences of the Yenisey Ridge, *in* Geology, Tectonics, Petrology and Ore Mineralization of Precambrian of the Siberian Platform and their boundary: Institute of Earth' [s Crust, Siberian Branch, U.S.S.R. Academy of Sciences, Irkutsk p. 230-231 (in Russian).
- Sazonov, A.M., Cykin, S.I., Leont'ev, S.I., and others, 1997, Geology of Sarala ore district: State Academy of non-Ferrous Metals and Gold: Krasnoyarsk Publishing House, Krasnoyarsk, 144 p. (in Russian).
- Sazonov, A.M., Grinev, O.M., Shvedov, G.I., and Sotnikov, V.I., 1997, Untraditional platinoid mineralization of middle Siberia: Tomsk Polytechnical University Press, Tomsk, v. 144, 148 p. (in Russian).
- Scheglov, A.D., 1980, Basis of metallogenic analyses: Nedra, Moscow, 431 p. (in Russian).
- Scherbakov, A.F., and Poletaev, I.A., 1977, Magnesian ores of the Savinsky deposit, *in* Lithology and Useful Minerals: Nauka, Moscow, no. 6, p. 86-98 (in Russian).
- Scherbakov, Y.G., and Dejidmaa, G., 1984, Gold-bearing ore-formations of Mongolia, *in* Endogenic ore-Bearing Formations of Mongolia: Nauka, Moscow, p. 42-50 (in Russian).
- Scotese, C.R., Nokleberg, W.J., Monger, J.W.H., Norton, I.O., Parfenov, L.M., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Frolov, Y.F., Fujita, Kazuya, Goryachev, N.A., Khanchuk, A.I., Pozdeev, A.I., Ratkin, V.V., Rodinov, S.M., Rozenblum, I.S., Shpikerman, V.I., Sidorov, A.A., and Stone, D.B., 2001, *in* Nokleberg, W.J. and Diggles, M.F., eds., Dynamic Computer Model for the Metallogenesis and Tectonics of the Circum-North Pacific: U.S. Geological Survey Open-File Report 01-161, CD-ROM.
- Sekine, R., Morimoto, K., and Ushirone, N., 1998, Characteristics of the Yamada vein system, Hishikari mine, Kyushu, Southwest Japan: *Resources Geology*, v. 48, p. 1-8 (in Japanese with English abstract).
- Semenjuk, V.D., and Donenko, V.P., 1964, Tin, *in* Geology of the U.S.S.R., v. 36 (Chita area): Nedra, Moscow, p.176-206 (in Russian).
- Seminskiy, Zh.V., 1985, On the metallogeny of Angarsk iron-ore province: Transactions, Special Educational Institute, Geology and Exploration, no.12, p. 51-56 (in Russian).
- Seminsky, Zh.V., Filonjuk, V.A., and Chernykh, A.I., 1987, Structures of ore deposits of Siberia: Nedra, Moscow, 183 p. (in Russian).
- Seminsky, Zh.V., 1980, Volcanism and hydrothermal mineralization in activated areas: Nedra, Moscow, 150 p. (in Russian).
- Seminsky, Zh.V., Filonjuk, V.A., Korzh, V.V., and others, 1994, Models of ore regions and deposits of Siberia: Nedra, Moscow, 251 p. (in Russian).
- Sengor, A.M.C., and Natal'in, B.A., 1996a, Paleotectonics of Asia: fragments of a synthesis, *in* Yin, An, and Hamson, Mark, eds., The tectonic evolution of Asia: Cambridge University Press, p. 486-640.
- Sengor, A.M.C., and Natal'in, B.A., 1996b, Turcic-type orogeny and its role in the making of continental crust: *Annual Reviews, Earth and Planetary Sciences*, v. 24, p. 263-337.

- Seo, J.R., Chang, H.W., and Kim, S.E., 1983, Geology and ore deposits of Dongnam mine area in Taebaegsan mineralized zone: Korea Institute of Energy and Resources, Mineral Resources, v. 82, p. 2-200 (in Korean).
- Seo, J.R., Hwang, D.H., Park, N.Y., Jo, J.D., Bang, K.Y., Choi, C.H., and Park, Y.S., 1981, Geological and geophysical investigation on the ore deposits of the Yuchang cobalt mine area: Korea Institute of Energy and Resources Report, v. 11, p. 93-118 (in Korean).
- Serdyuk, S.S., 1997, Gold-bearing and gold-platinum ore provinces of Central Siberia: Geological and metallogenic composition and perspectives on mineral resources development, *in* Geology and Mineral Resources of Central Siberia: Research Geological and Mineral Resources Institute, Krasnoyarsk, p. 89-183 (in Russian).
- Serdyuchenko, D.P., Glebov, A.B., and Kadenskaya, M.I., 1960, Iron ores of south Yakutia: Publishing House, U.S.S.R. Academy of Sciences, Moscow, 619 p. (in Russian).
- Serdyuk, S.S., Zabijaka, I.D., Glushkov, A.P., and others, 1998, Perspectives on development of mineral resources of Krasnoyarsk region, *in* Geology and Mineral Resources of Krasnoyarsk Region: Siberian Research, Geological, Geophysical and Mineral Resources Institute, Krasnoyarsk, 336 p. (in Russian).
- Sergeeva, Zh.I., 1971, Conditions of Cretaceous-Paleogene bauxites formation by way of example of Yenisey Ridge deposits, *in* Geology and Mineral Resources of Krasnoyarsk region: Krasnoyarsk Publishing House, Krasnoyarsk, p. 63-68 (in Russian).
- Shabalin, L.I., 1977, Differentiated titanium-bearing gabbroid massif of Khaaktyg-Oy (Eastern Sayan), *in* Kuznetsov, Yu.A., ed., Magmatic Formations of Siberia: Nauka, Novosibirsk, p. 80-89 (in Russian).
- Shabalin, L.I., 1982, Relations between titanomagnetite and free ilmenite in titanomagnetite deposits of southern Siberia: Geology of Ore Deposits, no.5, p. 82-84 (in Russian).
- Shabalin, L.I., 1976, Kharlovsk layered gabbroid massif and related ore types in Altai-Sayan folded area, magmatism and related mineral deposits: Transactions of United Institute of Geology and Geophysics, Siberian Branch, Russian Academy of Sciences, Novosibirsk, v. 236, p. 79-83 (in Russian).
- Shabalovskii, A.E., and Garamjav, D., 1984, Development of complexes with cycle-shape, in the central part of south Mongolian Cu-bearing belt, *in* Geology and Mineral Resources of Mongolian People's Republic: Nedra, Moscow, p. 154-158. (in Russian).
- Shafeev, A.A., Baryshev, A.S., and Tigunov, L.I., 1977, Features of geological structure of ferrous quartzite deposits of eastern Sayan and Pribaikalia, *in* Formation of Ferrous Quartzites of Siberia and Far East: Nauka, Novosibirsk, p. 64-73 (in Russian).
- Shakhov, F.N. ed., 1964, West-Siberian iron-ore basin: Nauka, Novosibirsk, 448 p. (in Russian).
- Shamanskiy, L.I., 1935, Study of structure of Kiyalykh-Uzen copper-molybdenum deposit: West Siberian Geological Prospecting Trust Papers, no. 5, p. 21-26 (in Russian).
- Shanurenko, N.K., 1983, Common peculiarities and evolution of metallogeny of Taimyr folded area, *in* Geology and Metamorphic Ore Formation of Precambrian Age at Taimyr: Scientific Research Institute of Arctic Geology, Leningrad, p. 5-25 (in Russian).
- Sharakhshinov, A.O., 1974, Petrology of nepheline syenites of Vitim highland: Nauka, Novosibirsk, 121 p. (in Russian).
- Sharhuhen, D., 1999, PGM mineralogical type of the Altan Uul and Naran area: Mongolian Geoscientist, no. 14, p. 137-140.
- Sharov, G.N., Tribunskiy, E.N., and Zyabkin, A.V., 1998, Ore potential of south part of West Siberia: Ores and Metals, no. 2, p. 5-16 (in Russian).
- Shatkov, G.A., Solovyev, N.S., Shatkova, L.N., and Yakobson, L.N. 1980, Major regularities of evolution of the Mongolia-Preargun belt and chemical features of volcanic rocks, *in* Geology and Mineral Resources of Mongolian People's Republic: Nedra, Moscow, p. 35-55 (in Russian).
- Shatalov, E.G., 1965, Principles of metallogenic map compilation, *in* Questions of Metallogeny: Nedra, Moscow, p.45-61 (in Russian).
- Shcheglov, A.D., Krasnov, E.V., and Ratkin, V.V., 1983, Rifts and ore origination: U.S.S.R. Academy of Sciences Transactions, v. 271, no.1, p. 161-165 (in Russian).
- Shcheka, S.A., and Vrzhosck, A.A., 1985, A rare-type igneous platinum-gold mineralization in mafic-ultramafic intrusives, *in* Shcheka, S.A., ed., Typomorphous Assemblages of Accessory Minerals and Microelements: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, p. 82-92 (in Russian).
- Shcherba, G.N., Dyachkov, B.A., Nakhtigal, G.P., 1984, Metallogeny of Rudny Altai and Kalba: Alma-Ata: Nauka, Kazakhstan, 237 p. (in Russian).
- Shcherbakov, Yu.G., 1974, Geochemistry of gold deposits of Kuznetzk Alatau and Gorny Altai: Nauka, Novosibirsk, 276 p. (in Russian).
- Shen, Baofeng, Luo, Hui, Li, Shuanbao, and others, 1994 Geology and mineralization of Archean greenstone Belt, in north China Platform: Geology Publishing House, Beijing, p.74-138 (in Chinese).
- Sher, S.D., 1961, On tectonics of plunging Bodaibo syncline and influence of some elements on location of gold-bearing capacity: Proceedings of Central Institute of Geology and Exploration, Moscow, no. 38, 102 p. (in Russian).
- Shermet, E.M., and Kozlov, V.D., 1981, Petrology, geochemistry and ore-bearing of granitoids in the molybdenum belt of Transbaikalia: Nauka, Novosibirsk, 134 p. (in Russian).
- Shi, Lindao, Xie, Xianjun, and Gong, Zhengji, 1994, Nonferrous metallic ore deposits in the middle Proterozoic Langshan-Zhalertaishan aulacogen, *in* Rui, Zongyao, Shi, Lindao, and Fang, Ruheng, and others, eds., Geology of Nonferrous Metallic Deposits in the Northern Margin of the North China Landmass and Adjacent Area: Geological Publishing House, Beijing, p. 129-130 (in Chinese).
- Shi, Lindao, Xie, Xianjun, and Gong, Zhengji, 1994, Regional mineralization regularity of nonferrous metallic deposit on the Northern Margin of the North China Landmass and Adjacent Area, *in* Rui, Zongyao, Shi, Lindao, and Fang, Ruheng, eds.,

- Geology of Nonferrous Metallic Deposits in the Northern Margin of the the North China Landmass and Adjacent Area: Geological Publishing House, Beijing, p.489-551 (inChinese)
- Shi, Zhunli, and Xie, Guangdong, 1998, Study of fluid inclusions and genesis of Donghuofang gold deposit, Inner Mongolia: Geoscience Journal of Graduate School, China University of Geosciences, v. 12, N.1, p. 477-483 (in Chinese).
- Shirai, E.P., Filatov, E.I., Gusev, G.S., Gushchin, A.V., Zaikov, V.V., Maslennikov, V.V., Mezhelovskiy, N.V., and Perevozchikov, B.V., 1999, Metallogeny of island-arc geodynamic environments: GeoMap Publishing Company, Moscow, 436 p. (in Russian).
- Shirokikh, I.N., Roslyakov, N.A., Sotnikov, V.I., and Vas'kov, A.S., 1998, Sarala gold-ore cluster of Kuznetsk Alatau: Russian Academy of Sciences Press, Novosibirsk, 234 p. (in Russian).
- Shkolnik, E.L., 1973, Composition, regularity of distribution, and genesis of iron, manganese, and phosphorite deposits in the Uda-Shantary area: Ph.D. dissertation, Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, 200 p. (in Russian).
- Shmakin, B.M., and Glebov, M.P., 1969, Magnesian skarns along contacts of muscovite pegmatites with marbles: U.S.S.R. Academy of Sciences Transactions, no. 5, v. 184, p. 1186-1188 (in Russian).
- Shneider, E.A., Zubkov, B.P., and Saprnov, N.L., 1969, Bagrinskoye molybdenum ore occurrence, *in* Problems of petrology and metallogeny of the western boundary of Siberian Platform: Krasnoyarsk, p. 97-101 (in Russian).
- Shobogorov, P.Ch., Ignatovich, V.I., and Malyshev, A.A., 1983, Basic features of metallogeny in the Buryatia territory, *in* Geology and Useful Minerals of Buryatia, Buryatian Geology Institute, Ulan-Ude, p. 27-33 (in Russian).
- Shokalskiy, S.P., 1990, Petrochemistry of Kharlovsk titanium-bearing intrusive in the Gorny Altai, *in* Petrochemistry of Ore-Bearing Gabbroid Formations: Nauka, Novosibirsk, p. 91-118 (in Russian).
- Shokalskiy, S.P., Vladimirov, A.G., and Izokh, A.E., 1996, Correlation of middle Paleozoic magmatic events and geodynamic problems of the Gorny Altai area: Russian Academy of Sciences Transactions, v. 349, no.6, p. 808-810 (in Russian).
- Shoshin, V.V., and Vishnevskiy, A.N., 1984, Tin mineralization from an ore cluster in northeast Yakutia and its relation to gold and antimony mineralizations, *in* Geology and Mineralogy of Ore Clusters of the Yana-Kolyma Fold System: Yakutian Scientific Center, Siberian Branch, Russian Academy of Sciences, Yakutsk, p. 72-79 (in Russian).
- Shour, V.I., 1985, Atlas of structures of the ore fields of Yakutia: Nedra, Moscow, 154 p. (in Russian).
- Shpikerman, V.I., 1998, Pre-Cretaceous minerageny of northeast Asia. Magadan: Northeast Integrated Scientific Research Institute, Far East Branch, Russian Academy of Sciences, Magadan, 333 p. (in Russian).
- Shubin, G.V., 1984, Types of gold mineralization of Dauria zone: Nauka, Novosibirsk, 209 p. (in Russian).
- Shuvalov, V.F., Avrov, D.P., Yakobson, L.N., and Nikolaeva, T.V., 1980, Questions of age of fluorite mineralization in eastern Mongolia, *in* Geology and Mineral Resources of Mongolian People's Republic: Nedra, Moscow, p. 161-171 (in Russian).
- Sibilev, A.K., 1980, Petrology and asbestos mineralization of ophiolites (with example of Idzhimsk massif at West Sayan): Nauka, Novosibirsk, 216 p. (in Russian).
- Sidorenko, V.V., 1961, Geology and petrology of the Shakhtaminsky intrusive complex: U.S.S.R. Academy of Sciences, Moscow, 100 p. (in Russian).
- Simkin, G.S., 1997, Geological position and perspectives of Sovetskoe Au-ore deposit: Ore and Metals, no.2, p. 57-73 (in Russian).
- Singer, D.A., 1993, Development of grade and tonnage models for different deposit types, *in* Kirkham, R.V., Sinclair, R.V., Thorpe, W.D., and Duke, J.M., eds., Mineral deposit modeling: Geological Association Canada Special Paper 40, 27 p. 21–30.
- Singer, D.A., 1994, The relationship of estimated number of undiscovered deposits to grade and tonnage models in three-part mineral resource assessments [abs.]: 1994 International Association of Math. Geology Annual Conference, Papers and Extended Abstracts, Oct. 3–5, 1994, Mount Tremblant, Quebec, Canada, p. 325–326.
- Sinyakov, V.I., 1976, The main endogenous iron-ore formations of Altai-Sayan folded area, *in* Problems of Endogenic Ore Deposition and Metallogeny: Nauka, Novosibirsk, p. 110-125 (in Russian).
- Sinyakov, V.I., 1988, Iron-ore formations of Siberia: Nauka, Novosibirsk, 81 p. (in Russian).
- Sizykh, V.I., 1995, Bom-Gorkhonsky tungsten deposit, *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 134-138 (in Russian).
- Sizykh, V.I., Sergeev, A.D., and others, 1985, Conditions of formation of tungsten mineralization of Transbaikalia, *in* Andreev, G.V., ed., Problems of Metasomatism and Ore Formation of Transbaikalia: Nauka, Novosibirsk, p. 21-29 (in Russian).
- Sklyarova, G.F., 1977, Red-bed copper-bearing deposits of the south-east of the Siberian Platform: Nauka, Novosibirsk, 126 p. (in Russian).
- Skropyshev, A.V., Nastasienko, E.V., and Atabaev, K.K., 1971, The main regularities of island spar deposits distribution in the rocks of trapp association, *in* Origin, Conditions and Distribution Regularities of Mineral Deposits: U.S.S.R. Academy of Sciences, Leningrad, p. 207-210 (in Russian).
- Skursky, M.D., 1996, Mineral wealth of Transbaikalia: Technical University, Chita, 695 p. (in Russian).
- Smelov, A.P., and Nikitin, V.M., 1999, A conception of search for lode gold deposits in greenstone belts of South Yakutia, *in* Problems of Geology and Energetics of Yakutia: Yakutian Institute of Geology, Siberian Branch, Russian Academy of Sciences, p. 97-101 (in Russian).
- Smirnov, F.L., 1980, Geology of apatite deposits of Siberia: Nauka, Novosibirsk, 175 p. (in Russian).
- Smirnov, S.S., 1961, Polymetallic deposits and metallogeny of Eastern Transbaikalia: U.S.S.R. Academy of Sciences, Moscow, 507 p. (in Russian).
- Smirnov, V.I., 1969, Geology of useful minerals: Nedra, Moscow, 687 p. (in Russian).
- Smirnov, V.I., ed., 1974, Mineral Deposits of the U.S.S.R.: Nedra, Moscow, v. 1, 328 p., v. 2, 391 p.; v. 3, 491 p. (in Russian).

- Smirnov, V.I., ed., 1978, Mineral Deposits of the U.S.S.R., Second edition: Nedra, Moscow, v. 1, 352 p., v. 2, 399 p., v. 3, 496 p. (in Russian).
- Smirnov, V.I., Kuznetsov, V.A., and Fedorchuk, V.P., eds., 1976, Metallogeny of mercury: Nedra, Moscow, 256 p. (in Russian).
- Smolyansky, E.N., and Ignatovich, V.I., 1982, Structural factors for location and zonation of molybdenum and tungsten deposits in Western Transbaikalia, *in* Geology, Prospecting of Ore Deposits: Irkutsk Polytechnic Institute, Irkutsk, p. 10-21 (in Russian).
- Sobachenko, V.N., and Gundobin, A.G., 1993, The formational type of near-fault alkaline carbonaceous-silicate metasomatites and connected carbonatites: *Geology and Geophysics*, no.5, p. 113-120 (in Russian).
- Sobachenko, V.N., Plusnin, G.S., Sandimirov, G.P., and Pakholchenko, Yu.A., 1986, Rb-Sr age of near-fault metasomatites and granites of Tatarsk-Penchenginsk zone (Yenisey Ridge): U.S.S.R. Academy of Sciences Transactions, v. 287, no.5, p. 1220-1224 (in Russian).
- Sokolov, Yu.M., and Ziatsev, N.S., 1990, Metallogeny and mineral deposits in the Precambrian of Mongolia, *in* Evolution of Geological Processes and Metallogenesis of Mongolia: Nauka, Moscow, p. 213-221 (in Russian).
- Solonenko, V.P., 1950, Genesis of alkaline rocks and graphite of the Botogol massif: U.S.S.R. Academy of Sciences Transactions, Geology Series, no. 6, p. 108-118 (in Russian).
- Soloviev, A.T., and Struve, N.V., 1959, New data on the young fluorite mineralization of gold-molybdenum belt of Eastern Trans-Baikal: State Geology Institute Informational Papers, Leningrad, no. 20, p. 75-85 (in Russian).
- Soloviev, N.S., and Shatkov, G.A., 1977, Chemical features of volcanic rocks in eastern Mongolia: Messages of All Union Mineralogical Association, part 106, v. 6, p.707-714 (in Russian).
- Solovyev, N.S., and Zyatkov, Y.S., 1975, The Ugram volcanic ring structure in Preargun-Mongolian volcanic belt: Soviet Geology, no. 6, p. 133-138. (in Russian).
- Song, Guorui, and Zhao, Juhua, eds., 1996, Geology of Dongping alkaline complex-hosted gold deposit in Hebei Province: Seismology Press, Beijing, p. 158-161 (in Chinese).
- Song, Qun, 1991, Geological features of the Hontaiping Polymetallic deposit and the significance in regional prospecting for ore deposits: *Jilin Geology*, v. 10, no.2, 1991, p. 22-28 (in Chinese).
- Sotnikov, V.I., and Berzina, A.P., 1985, On the place of ore porphyries in the scheme for orogenic magmatism of copper-molybdenum ore knots of Mongolia: *Geology and Geophysics*, no. 5, p.3-10. (in Russian).
- Sotnikov, V.I., and Berzina, A.P., 1989, Prolonged discrete oriented development of ore-magmatic systems in porphyry copper-molybdenum formation: *Geology and Geophysics*, no.1, p.41-45. (in Russian).
- Sotnikov, V.I., and Berzina, A.N., 1993, Cl and F regime in copper-molybdenum ore-magmatic systems: *United Institute of Geology and Geophysics Transactions, Siberian Branch, Russian Academy of Sciences, Novosibirsk*, 133 p. (in Russian).
- Sotnikov, V.I., and Berzina, A.P., 2000, Porphyry Cu-Mo ore-magmatic systems of Siberia and Mongolia, *in* Ore-Bearing Granites of Russia and Adjacent Countries: Institute of Mineralogy, Geochemistry and Crystal Chemistry of Rare Elements, Moscow, p. 263-281.
- Sotnikov, V.I., Berzina, A.P., Berzina, A.N., and Gimón V.O., 1995, Shakhtaminsky molybdenum deposit, *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 187-192 (in Russian).
- Sotnikov, V.I., Berzina, A.P., and Bold, D., 1984, Regularities of spatial distribution of copper-molybdenum mineralization in Mongolia, *in* Endogenic Ore-Bearing Formations of Mongolia: Nauka, Moscow, p. 89-101 (in Russian).
- Sotnikov, V.I., Berzina, A.P., and Jamsran, M., 1985, Copper ore formations of Mongolian People's Republic: Nauka, Novosibirsk, 225 p. (in Russian).
- Sotnikov, V.I., Berzina, A.P., Jamsran, M., and Myagmar, L., 1980, The Tsagaansuvarga copper-molybdenum deposit, Mongolian Peoples's Republic: *Geology of Ore Deposits*, no. 3, p. 34-46 (in Russian).
- Sotnikov, V.I., Fedoseev, G.S., Kungurtsev, L.V., Borisenko, A.S., Obolenskiy, A.A., Vasil'ev, I.P., and Gimón, V.O., 1999, Geodynamics, magmatism and metallogeny of Kolyvan-Tomsk folded zone: *United Institute of Geology, Geophysics, and Mineralogy Publishing House, Siberian Branch, Russian Academy of Sciences, Novosibirsk*, 231 p. (in Russian).
- Sotnikov, V.I., Fedoseev, G.S., Ponomarchuk, V.A., Borisenko, A.S., and Berzina, A.N., 2000, Granitoid complexes of Kolyvan-Tomsk folded zone: *Geology and Geophysics*, v. 41, no. 1, p. 120-125 (in Russian).
- Sotnikov, V.I., Ponomarchuk, V.A., Berzina, A.P., Berzina, A.N., and Kiseleva, V.Yu., 1999, Correlation $^{87}\text{Sr}/^{86}\text{Sr}$ in accessory apatite of Cu-Mo porphyry deposits with geodynamical positions of ore-magmatic systems (Siberia, Mongolia): *Russian Academy of Sciences Transactions*, v. 368, no.6, p. 821-823 (in Russian).
- Sotnikov, V.I., and Nikitina, E.I., 1977, Molybdenum-rare-earth metal-tungsten greisen ore formation in Gorny Altai: Nauka, Novosibirsk, 216 p. (in Russian).
- Sotnikov, V.I., Travin, A.V., Berzina, A.P., and Ponomarchuk, V.A., 1995, Geochronological stages of Sorsk copper-molybdenum-porphyry ore cluster, Kuznetsk Alatau (K-Ar, Ar-Ar and Rb-Sr methods): *Russian Academy of Sciences, Transactions*, v. 343, no. 2, p. 225-228 (in Russian).
- Spiridonov, A.M., and Gnilyusha, V.A., 1995, Regional to detailed geochemical mapping of the Kariisk ore district, eastern Transbaikalia, Russia: *Journal of Geochemical Exploration, Elsevier*, p. 67-74.
- Sryvtsev, N.A., Sandimirova, G.P., Kutuyavin, E.P., and others, 1980, On the age of bipyroxene granitoids of Tatarnikovskiy unit (Northwestern Pribaikalia), *in* Geochronology of Eastern Siberia and Far East: Nauka, Moscow, p. 101-110 (in Russian).
- Staricky, Yu.G., Baskov, E.A., Malich, N.S., and others, 1970, Metallogenesis of Siberian platform: Nedra, Moscow, 208 p. (in Russian).
- Stepanov, G.N., 1977, Mineralogy, petrology, and genesis of skarn sheelite-sulfide ores of Far East: Nauka, Moscow, 177 p. (in Russian).

- Stepanov, V.A., 2000, Geology of gold, silver, and mercury, *in* Gold and Mercury of the Priamurye Province, Part 2: Dalnauka, Vladivostok, 161 p.
- Stogniy, V.V., Stogniy, G.A., and Nevol'skikh, S.G., 1992, Assessment of the Kavakta massif in South Yakutia for the discovery of apatite-Ti-magnetite deposits, *in* Stratigraphy, Tectonics, and Mineral Resources of Yakutia: Institute of Geology Publishing House, Russian Academy of Sciences, Yakutsk, p. 143-148 (in Russian).
- Storojenco, A.A., and others, 1991, Result of 1:50,000 scale geological mapping and general prospecting: Geologic Information Center, Ulaanbaatar, Mongolia, Open File Report 4521 (in Russian).
- Strakhov, L.G., 1978, Ore-bearing volcanic structures of southern part of the Siberian Platform (Angara-Ilim iron-ore district): Nauka, Novosibirsk, 117 p. (in Russian).
- Straroverow, L.D., 1934, New perspectives on contact-metamorphic ore deposits of eastern slope of Kuznetsk Alatau: Papers of West Siberian Geological Prospecting Trust, no. 2, p. 29-34 (in Russian).
- Strona, P.A., 1960, Conditions of formation ribbon structures of ores. Geology of Ore Deposits, no. 3, p. 77-87 (in Russian).
- Sukhov, V.I., Bakulin, Yu.I., Loshak, N.P., Khitrinov, A.T., Rodionova, L.N., and Karas, N.A., 2000, Metallogeny of Russian Far East: Far East Institute of Mineral Raw Materials, Publishing House, Khabarovsk, 217 p. (in Russian).
- Sun, Shuhe, ed., 1992, Map of Metallic Deposits of China: Geological Publishing House, Beijing, scale 1:5,000,000 (in Chinese).
- Sun, Shuhe, ed., 1992, Map of Nonmetallic Deposits of China: Geological Publishing House, Beijing, scale 1:5,000,000 (in Chinese).
- Suprunov, E.A., Podkolzin, V.N., Dobrolyubov, V.A., and Levintov, M.E., 1990, Mineral resources map of western Mongolia: Geologic Information Center, Ulaanbaatar, Mongolia, Open-File Report 4496, scale 1:500,000 (in Russian).
- Surkov, V.S., ed., 1986, Megacomplexes and deep-structure of the Earth crust of the West Siberian Plate: Nedra Press, Moscow, 149 p. (in Russian).
- Surkov, V.S., Korobeinikov, V.P., Krylov, S.V., Grishin, M.P., Kraevskiy, B.G., Larichev, A.I., 1996, Geodynamical and sedimentational environments of the Riphean oil and gas-bearing complexes formation at the western margin of Siberian Palecontinent: Geology and Geophysics, v. 37, no.8, p. 154-166 (in Russian).
- Surkov, V.S., Korobeinikov, V.P., and Zhero, O.G., 1996, Manifestations of global tectonic events during Riphean and Phanerozoic time in Siberia: Geoinformmark, issues 10-11, p. 45-54 (in Russian).
- Suyari, K., Iwasaki, M., and Suzuki, T., eds., 1991, Regional geology of Japan, part 8: Shikoku: Kyoritu Shuppan Co., Ltd., Tokyo, 267 p. (in Japanese).
- Tagiri, M., 1971, Metamorphic rocks of the Hitachi district in the southern Abukuma Plateau: Journal of Japanese Association of Mineralogy, Petrology, and Economic Geology, v. 65, p. 77-103.
- Takahashi, Y., Oyungerel, S., Naito, K., and Delgertsogt, B., 1998, Geology and magnetic susceptibility of the granitoids in Bayankhongor area, Central Mongolia: Mongolian Geoscientist, no. 7, p. 10-19.
- Takahashi, Y., Oyungerel, S., Naito, K., and Delgertsogt, B., 1998, The granitoid series in Bayanhongor area, central Mongolia: Geological Survey of Japan Bulletin, v. 49, no. 1, p. 25-32.
- Takahashi, Y., Arakava, Y., Naito, K., Oyungerel, S., and Amakava, H., 1999, New radiometric ages of Shar us gol granite, central Mongoli: Mongolian Geoscientist, no. 3, p. 26-29 (in Mongolian).
- Tang, Zhonglian, and Li, Wenyan, 1991, Studies of metallogenic regularity of nickel sulfide deposits in China and their prospects: Mineral Deposits, v. 10, no. 3, p. 194-203 (in Chinese).
- Tanimura, S., Date, J., Takahashi, T., and Ohmoto, H., 1983, Stratigraphy and structure of the Hokuroku district, part II: Economic Geology Monograph 5, p. 24-39.
- Tao, Weiping, Gao, Xifen, Cun, Qi, and others, 1994, Minerogenic series of non-metallic mineral deposits of China, *in* Deposit Mineral-Bearing Formation, Minerogenetic series, Formational Model: Geological Publishing House, Beijing, 487 p. (in Chinese).
- Tarasova, R.S., 1968, Metallic useful minerals, *in* Geology of the U.S.S.R.: Nedra, Moscow, v. 35, part 2, p. 72-76 (in Russian).
- Tarasova, R.S., Bliznjuk, M.V., and Babkin, I.N., 1972, On formation type and genesis of lead-zinc pyrite deposit of Ozerny, *in* Geology and Genesis of Endogenous Ore Formations of Siberia: Nauka, Novosibirsk, p. 79-97 (in Russian).
- Tatarinov, P.M., and Eremeev, V.P., 1967, Ak-Dovurak ore deposit, *in* Chrysotile-Asbestos Deposits of the U.S.S.R.: Nedra, Moscow, p. 207-216 (in Russian).
- Tauson, L.V., Gundobin, G.M., and Zorina, L.D., 1987, Geochemical fields of ore-magmatic systems: Nauka, Novosibirsk, 202 p. (in Russian).
- Tcherbakov, Y.G., and Dejidmaa, G., 1984, Gold-bearing ore-formations of Mongolia, *in* Endogenic Ore-Bearing Formations of Mongolia: Nauka, Moscow, p. 42-50 (in Russian).
- Timofeevskiy, D.A., 1950, Gold-ore deposits of east Sayan (Olkhovskoye and Konstantinovskoye), *in* Major Gold-Ore Deposits of the U.S.S.R., part 1: Transactions of All-Union Research Institute for Gold Prospecting, 264 p. (in Russian).
- Togtoh, D., and others. 1995, Results of 1:200,000 scale geological mapping and general prospecting: Geologic Information Center, Ulaanbaatar, Mongolia, Open-File Report 4861 (in Mongolian).
- Tolstov, A.V., Entin, A.R., Tyan O.A., and Orlov, A.N., 1995, Industrial types of deposits in carbonatite complexes of Yakutia: Yakutian Scientific Center, Siberian Branch, Russian Academy of Sciences, Yakutsk, 168 p. (in Russian).
- Tomson, I.N., 1988, Metallogeny of ore regions: Nedra, Moscow, 215 p (in Russian).
- Tomurtogoo, O., 2001, A new tectonic map of Mongolia: Geology, Mongolia Technical University, v. 2, 3, p. 145-151 (in Mongolian).
- Tomurtogoo, O., Badarch, G., Orolmaa, D., and Byamba, J., 1999, Terranes and accretionary tectonics of Mongolia. Mongolian Geoscientist, no.14, p. 5-10.

- Tomurtogoo, O., ed., 1999, Geologic map of Mongolia: Institute of Geology and Mineral Resources Mongolian Academy of Sciences, and Mineral Resources Authority of Mongolia, Ulaanbaatar, scale 1:1,000,000.
- Trunilina, V.A., 1992, Geology and ore content of Late Mesozoic magmatic formations in northeast Yakutia: Nauka, Novosibirsk, 257 p. (in Russian).
- Trunilina V.A., Roev, S.P., and Orlov, Yu.S., 1985, Granitoids and associated cassiterite-sulfide deposits: Nauka, Novosibirsk, 205 p. (in Russian).
- Tsarev, D.I., 1995, Ozerny pyrite-polymetallic deposit, *in* Laverov, N.P. ed., Deposits of Transbaikalia, v. 1, book 1: GeoInformMark, Chita-Moscow, p. 94-100 (in Russian).
- Tsuboya, K., Nishiwaki, C., and Watanabe, T., 1956, Metallogenic provinces and metallogenic epochs, *in* Watanabe, T., and others, eds., Progress in Economic Geology: Fuzambo, Tokyo, p. 252-271 (in Japanese.)
- Tsyba, V.S., 1990, Report on results of exploration carried out in the Ereen deposit, 1990, Geologic Information Center, Ulaanbaatar, Mongolia Open-File Report 4552 (in Russian).
- Tsybukov, Yu.P., 1975, Early Mesozoic intrusive magmatism and major problems of gold mineralization in Northwestern Hentii, Mongolian Peoples's Republic: Summary of Ph.D. Dissertation, U.S.S.R. Academy of Sciences, Novosibirsk, 28 p. (in Russian).
- Tu, Guanzhi, 1998, The unique nature in ore composition, geological background and metallogenetic mechanism of non-conventional superlarge ore deposits: A preliminary discussion: Science in China Press, Beijing, Series D, v. 41, p.1-6.
- Tychinsky, A.A., 1963, Geological structure and regularities of distribution of polymetallic deposits of Gorny Altai, *in* Problems of Geology and Metallogeny of Gorny Altai: U.S.S.R. Academy of Sciences Publishing House, Novosibirsk, p. 239-303 (in Russian).
- Tychinsky, A.A., 1986, Conditions of formation of ores of stratiform syngenetic-epigenetic lead-zinc deposits of Pribaikalia, *in* Endogenous Ore Formations of Siberia and the Problem of Ore Formation: Nauka, Novosibirsk, p. 150-155 (in Russian).
- Tychinsky, A.A., Akulshina, E.P., and others, 1984, Pribaikalian polymetallic ore belt: Nauka, Novosibirsk, 134 p. (in Russian).
- Tyurin, Ya.I., 1967, Fracturing and its influence on distribution of pegmatites in the southwestern part of the Mamsky series, *in* Deformations and Structures of Precambrian Sequences: Nauka, Leningrad, p. 125-129 (in Russian).
- Tyurin, Ya.I., 1966, Intra-ore tectonics in Mamsky mica-bearing pegmatites, *in* Geology and Useful Minerals of Baikal-Patom Highland: Geological Survey, Irkutsk, p. 198-200 (in Russian).
- Uchitel, M.S., 1967, Genesis of iron ore deposits of the Kitoy group: Proceedings of Irkutsk Polytechnic Institute, Geology Series, no. 37, part 1, p. 220-227 (in Russian).
- Uchitel, M.S., and Korabelnikova, V.V., 1966, East-Sayan iron ore province of Irkutsk Oblast: Proceedings of Irkutsk Polytechnic Institute, Geology Series, no. 30, p. 109-116 (in Russian).
- Uchitel, M.S., and Prokopiev, A.A., 1969, Metamorphic iron ores of Archean, South-eastern Sayan Mountain, *in* Proceedings of Earth's Crust Institute: Nauka, Novosibirsk, p. 100-118 (in Russian).
- Unksov, V.A., 1961, Characteristics of two major types of As-Ni-Co deposits: All-Union Geological Institute, Transactions, New Series, Leningrad, v. 60, p. 133-138 (in Russian).
- Urashima, Y., 1961, Metallogenic provinces of northeastern Hokkaido, Japan: Journal of Faculty of Science, Hokkaido University, series 4, v. 11, p. 95-118.
- Urasina, L.P., Drugaleva, T.A., and Smolin, P.P., 1993, Important magnesite deposits: Nauka, Moscow, 157 p. (in Russian).
- Vakhromeev, G.S., Davydenko, A.Yu., Zagorsky, V.E., and Makagon, V.M., 1983, Geophysical and geochemical methods of prospecting for rare-metal pegmatites: Nauka, Novosibirsk, 121 p. (in Russian).
- Vakhrushev, V.A., 1972, Mineralogy, geochemistry and genesis of ore of Au-skarn deposits: Nauka, Novosibirsk, 238 p. (in Russian).
- Vakhrushev, V.A., and Voroncov, A.E., 1976, Mineralogy and geochemistry of iron-ore deposits of southern part of the Siberian platform: Nauka, Novosibirsk, 198 p. (in Russian).
- Vasilenko, V.I. and Valuy, G., 1998, The Dal'negorsk ore district, *in* Seltmann, R., Gonevchuk, G., and Khanchuk, A., eds. International Field Conference in Vladivostok, Russia, September 1998: GeoforschungsZentrum Potsdam (GFZ), Potsdam, p. 23-50.
- Vasil'ev, B.D., 1970, Structural elements of Natalevskoye gold-ore deposit, *in* Geology of Gold-Ore Deposits of Siberia: Nauka, Novosibirsk, p. 105-112 (in Russian).
- Vasilieva, V.P., 1983, Structural evolution of the axial zone of Mamsky synclinorium, *in* Geology and Genesis of Pegmatites: Nauka, Leningrad, p. 257-264 (in Russian).
- Vasyutinskaja, T.F., and Mikhailovskiy, D.V., 1963, Geological map of the U.S.S.R., Kuzbass series, Sheet M-44-XII: Nedra, Moscow, scale 1:200,000, explanation, 116 p. (in Russian).
- Velikoslavsky, D.A., Kazakov, A.I., and Sokolov, Yu.M., 1963, Mamsky complex of North-Baikalian Highland: U.S.S.R. Academy of Sciences, Moscow, 198 p.
- Velinskiy, V.V., 1968, Cambrian volcanism of the West Sayan: Nauka, Novosibirsk, 154 p. (in Russian).
- Vernikovskiy, V.A., 1996, Geodynamic evolution of Taimyr folded area: United Institute of Geology, Geophysics, and Mineralogy, Siberian Branch, Russian Academy of Sciences, Novosibirsk, 203 p. (in Russian).
- Vernikovskiy, V.A., Vernikovskaya, A.E., Nozhkin, A.D. and Ponomarchuk, V.A., 1994, Riphean ophiolites of Isakovsk belt (Yenisey Ridge): Geology and Geophysics, v. 37, no.7-8, p. 169-181 (in Russian).
- Veselov, A.I., 1979, Structure, genesis, and history of Sheregesh iron-ore deposit, *in* Ore Productivity of Volcanic-plutonic complexes of Siberia: Nauka, Novosibirsk, p. 57-60 (in Russian).
- Vetluzhskikh, V.G., and Kim, A.A., 1997, Geologic-industrial types of gold ore deposits in south Yakutia: Russian Geology, no. 1, p. 16-24 (in Russian).

- Vinogradov, A.I., 1958, Structural features and gold mineralization of ore field, *in* Proceedings of First Conference on Metals, Western Transbaikalia: East Siberian Institute of Geology, Irkutsk, p. 211-224 (in Russian).
- Vladimirov, A.G., Kruk, N.N., Vladimirov, V.G., Gibsher, A.S., and Rudnev, S.N., 2000, Synkinematic granites and collision-shear deformations in western Sangilen (southeastern Tuva): *Geology and Geophysics*, v. 41, no.3, p. 297-318 (in Russian).
- Vladimirov, A.G., Ponomareva, A.P., Shokalskii, S.P., Khalilov, V.A., Kostitsyn, Yu.A., Ponomarchuk, V.A., Rudnev, S.N., Vystavnoi, S.A., Kruk, N.N., and Titov, A.V., 1977, Late Paleozoic-early Mesozoic granitoid magmatism in Altai: *Geology and Geophysics*, v. 38, no.4, p. 715-730 (in Russian).
- Vladimirov, A.G., Ponomareva, A.P., and Shokalskiy, S.P., 1996, About riftogene strike-slip nature of late Paleozoic-early Mesozoic granitoids at Altai: *Russian Academy of Sciences Transactions*, v. 350, no.1, p. 83-86 (in Russian).
- Vladimirov, A.G., Vystavnoi, S.A., Titov, A.V., Rudnev, S.N., Dergachev, V.B., Annikov, I.Yu, and Tikunov, Yu.V., 1998, Petrology of the early Mesozoic rare-metal granites of the southern Gorny Altai: *Geology and Geophysics*, v. 39, no.7, p. 901-916 (in Russian).
- Vobuev, M.I., and Zykov, S.I., 1963, Age and geochemical features of lead occurrences at the Yenisey Ridge: *Geology and Geophysics*, no.12, p. 24-34 (in Russian).
- Vobuev, M.I., Zykov, M.I., and Stupnikova, N.I., 1976, Geochronology of Precambrian formations of the Sayan-Yenisei region of Siberia, *in* Actual Tasks of Current Geochronology: Nauka, Moscow, p. 96-123 (in Russian).
- Vochkovich, K.L., and Leontyev, A.N., 1990, Problems of Mongolian Altay geology in the light of new data: Evolution of geological processes and metallogenesis of Mongolia: Nauka, Moscow, p. 122-139. (in Russian).
- Volfson, F.I., ed., 1963, Problems of geology and genesis of some lead-zinc deposits of Eastern Transbaikalia: Proceedings of Institute of Geology of Ore Deposits, Moscow: no. 83, p. 645 (in Russian).
- Vrublevskiy, V.A., 1960, Gold-bearing skarn of the Natal'evskoye deposit: Tomsk University Press, no. 36, p. 114-120 (in Russian).
- Vrublevskiy, A.A., Mel'nikov, N.G., Golozubov, V.V., Shevelev, E.K., Yushmanov, Yu.P. and Izosov, L.A., 1988, Mixtites of the Sikhote-Alin fold belt: U.S.S.R. Academy of Sciences, Vladivostok, 111 p. (in Russian).
- Wang, Hongzhen, ed., 1985, Atlas of the Paleogeography of China: Cartographic Publishing House, Beijing, 110 p. (in Chinese and English).
- Wang, Ying, and Huang, Ruihua, 1987, Basic features of massive sulphide deposits, Inner Mongolia: *Mineral Deposits and Geology*, v. 1, p. 26-31 (in Chinese).
- Watanabe, M., 1923, Geological distribution of important ore deposits in Japan: *Economic Geology*, v. 18, p. 173-189.
- Watanabe, M., Hoshino, K., Kagami, H., Nishido, H., and Sugiyama, M. 1998, Rb-Sr, Sm-Nd and K-Ar systematics of metamorphosed pillow basalts and associated Besshi-type deposits in the Sanbagawa belt Japan: *Mineralium Deposita*, v. 34, p. 113-120.
- Watanabe, T. and Maekawa, H., 1985, Early Cretaceous dual subduction system in and around the Kamukotan tectonic belt, Hokkaido, *in* Nasu, N., and others, eds., Formation of Active Ocean Margins, p. 677-699.
- Wheeler, J.O., Brookfield, A.J., Gabrielse, H., Monger, J.W.H., Tipper, H.W., and Woodsworth, G.J., 1988, Terrane map of the Canadian Cordillera: Geological Survey of Canada Open File Report 1894, scale 1:2,000,000, 9 p.
- Wu, Fuyuan, and Sun, Deyou, 1999, Mesozoic magmatism and lithospheric thinning in eastern China: *Journal of Changchun University of Science and Technology*, v. 9, no. 4, p. 313-318 (in Chinese).
- Wu, Jiashan, Geng, Yuansheng, Shen, Qihan, and others, 1998, Archean geology characteristics and tectonic evolution of China - Korea paleocontinent: Geological Publishing House, Beijing, p. 12 (in Chinese).
- Wu, Shanquan, ed., 1995, Geology of Tuanjiegou porphyry gold deposit in Heilongjiang: Seismological Press, Beijing .p.134 (in Chinese).
- Xiang, Renjie, 1999, Bauxite deposits, *in* Zhu, Xun, ed., Mineral Resources in China, v. 2, Metallic Mineral Resources: Geological Publishing House, Beijing, p. 285-300 (in Chinese).
- Xu, Enshou, Jin, Yugui, Zhu, Fengshan, and others, 1994, Gold, silver and platinum ore deposits of China, *in* Editorial Committee of The Discovery History of Mineral Deposits of China Mineral Deposits of China, v. 2 of 3: Geological Publishing House, Beijing, p.192-245(in Chinese)
- Xu, Guizhong, Bian, Qiantao, and Zhaou, Shaoping, 1998, Geotectonic conditions of formation of large and superlarge Proterozoic ore deposits along northwestern margin of North China plate: *Science in China Press*, Beijing, series D, v. 41, p.13-20 (in Chinese).
- Xu, Zhigang, 1993, The metallogenic-tectonic setting of Cu-base Metallic deposits in southeastern Inner Mongolia, *in* Zhang, Dequan, and Zhao, Yiming, eds., Collection of Papers on Cu-base Metallic Deposits in Daxinganling and Adjacent Area: Seismiological Publishing House, Beijing, p. 20-41 (in Chinese).
- Yahata, M., Kubota, Y., Kurosawa, K. and Yamamoto, K., 1999, Evolution in space and time of epithermal mineralization in northeastern Hokkaido, Japan: *Resources Geology*, v. 49, p. 191-202 (in Japanese with English abstract).
- Yakovlev, B.A., 1977, Copper, lead, and zinc, *in* Geology of Mongolian Peoples' Republic, v. III (Mineral Resources): Nedra, Moscow, p. 141-216 (in Russian).
- Yakovlev, P.D., and Burtsev, V.V., 1964, Peculiarities of beryllium deposit structure: *Geology of Ore Deposits*, no. 1, p. 51-68 (in Russian).
- Yakzhin, A.A., 1962, Location pattern and formation of fluorite deposits of Trans-Baikal: State Geological Technical Publisher, Moscow, p. 250 (in Russian).
- Yan, Hongquan, 1985, Jidong Archean banded iron formation, *in* Regional Geology of China: Geological Publishing House, Beijing, series 12, p. 63-78 (in Chinese).

- Yan, Hongquan, Yang, Xixun, Zhang, Yixia, and others, 1994, Geology of west margin of the Jiamusi massif and a massive sulphide Pb-Zn deposit in Yichun, Heilongjiang Province, China: Publishing House of Science and Technology of Heilongjiang Province, Harbin, 200 p. (in Chinese).
- Yao, Fengliang, Liu, Liandeng, Kong, Qingchun, and Gong, Runfan, 1990, Gold lodes in the northwestern part of the Jiaodong Peninsula: Jilin Science and Technology Press, p. 187-225 (in Chinese).
- Yao, Peihui, ed., 1993, Records of China's iron ore deposits: Metallurgic Industry Press Beijing, 662 p., (in Chinese).
- Yarmolyuk, V.V., Budnikov, S.V., Kovalenko, V.I., and others, 1997, Geochronology and geodynamic position of the Angara-Vitim batholith. *Petrology*, Moscow, v. 5, no. 5, p. 451-466 (in Russian).
- Yashina, R.M., 1982, Alkaline magmatism of block-folded area (example of south boundary of Siberian platform): Nauka, Novosibirsk, 271 p. (in Russian).
- Yashina, R.M. Alkalic magmatism of the northern Mongolia and southern margin of the Siberian platform, *in* Evolution of Geological Processes and Metallogenesis of Mongolia: Nauka, Moscow, 1990, p. 182 - 187 (in Russian).
- Yashina, R.M., and Matrenitskii, A.T. 1978, Petrochemistry of volcanic and intrusive rocks of the Orhon-Selenge depression (Mongolia): U.S.S.R. Academy of Sciences Proceedings, no.10, p.26-42 (in Russian).
- Yashina, R.M., and Matrenitskii, A.T., 1979, Upper Paleozoic magmatism of northern Mongolia and metallogenic features, *in* Geology and Magmatism of Mongolia: Nauka, Moscow, p. 96-113 (in Russian).
- Yashina, R.M., Pavlov, V.A., and Arakalyants, M.M., 1977, Absolute age and structural story of the Paleozoic granitoid and alkaline rocks in northern Mongolia: U.S.S.R. Academy of Sciences Proceedings no.6, p. 20-33 (in Russian).
- Yashina, R.M., 1965, Contact-reaction interaction of nepheline-syenite intrusion and gabbros, as exemplified by zonal-ring structure of Korgeredabinsk massif, *in* Alkalic Magmatism and Framing Folds of Siberian Platform: U.S.S.R. Academy of Sciences Publishing House, Moscow, p. 99-206 (in Russian).
- Yaskevich, V.I., Yakovlev, Yu.K., and Chetvergov, A.P., 1980, Results and problems of tectonic studying of the western part of Siberian Platform and Yenisey-Khatanga depression according to geological and geophysical data, *in* Tectonics of Siberia, v. 9: Nauka, Novosibirsk, p. 79-84 (in Russian).
- Yatsenko, A.S., Mironov, A.G., Kulikova, A.A., and others, 1996, Geological and structural features of gold and platinoids distribution in black shales of Kotersky synclinorium (northern Pribaikalia): Geology and Geophysics, Novosibirsk, v. 37, no. 3, p. 15-24 (in Russian).
- Yatsenko, A.S., and Yatsenko, R.I., 1995, Rupture ore-controlling tectonics and gold-bearing capacity of Karaftit-Bagdarin block of Transbaikalia: Transactions, Special Educational Institute, Geology and Exploration Section, no. 5, p. 88-94 (in Russian).
- Yatsenko, A.S., and Yatsenko, R.I., 1996, Gold and gold-bearing ore formations of Vendian-Early Paleozoic of Baikal-Vitim region (BAM track), *in* Paleogeography of Vendian-Early Paleozoic: Urals Branch, Russian Academy of Sciences, Ekaterinburg, p. 166-168 (in Russian).
- Yoon, S.K., Hwang, I.C., and Chang, Y.H., 1959, A report on the investigation of the Kosong Beach placer deposits, Kangwondo: Geological Survey of Korea, Bulletin 2, p. 189-218 (in Korean).
- Yudin, N.I., 1968, Lithology of iron-ore deposits of Angara-Pit basin: Nauka, Moscow, 152 p. (in Russian).
- Yurgenson, G.A., and Grabeklis R.V., 1995, Baley ore field, *in* Laverov, N.P., ed., Deposits of Transbaikalia, v. 1, book 2: GeoInformMark, Moscow, p. 19-32 (in Russian).
- Zabotkin L.V., and others, 1988, Results of 1:200,000 scale geological mapping and general prospecting carried out in 1984-1987 in central Mongolia: Geologic Information Center, Ulaanbaatar Mongolia Open-File Report 4276 (in Russian).
- Zabotkin L.B., and others, 1988, Geological and mineral resources maps of L-47-XXII, XXIII, XXIV, XXVIII, XXIX, XXX, XXXIV, XXXV, and XXXVI quadrants: Geologic Information Center, Ulaanbaatar, Mongolia, Open-File Report 4276, scale 1:200,000 (in Russian).
- Zaikov, V.V., 1991, Volcanism and sulfide hills of paleocean margins exemplified by pyritic zones of Urals and Siberia: Nauka, Moscow, 204 p. (in Russian).
- Zaikov, V.V., Lebedev, V.I., Tulkin, V.G., and others, 1981, Ore associations of Tuva: Nauka, Novosibirsk, 200 p. (in Russian).
- Zaitsev N.S., Mitrofanov F.P., and others, 1990, Precambrian in geological structures of Mongolia, *in* Evolution of Geological Processes and Metallogenesis of Mongolia: Nauka, Moscow, p.72-76 (in Russian).
- Zaitsev N.S., Yashina R.M., and others, 1984, The problem with aluminium raw materials in Mongolia, *in* Endogenic Ore-Bearing Formations of Mongolia: Nauka, Moscow, p. 172-180 (in Russian).
- Zhai, M.G., Bian, A.G., Zhai, T.P., 2000, The amalgamation of supercontinent of North China Craton at the Neoproterozoic and Mesoproterozoic: China Science, series D-43, p. 219-232.
- Zak, S.I., Pak, A.S., and Gorstka, V.N., 1969, Geological structure and apatite abundance in Synyrsky massif: Nauka, Leningrad, 147 p. (in Russian).
- Zalishchak, B.L., Petrachenko, R.I., Piskunov, Yu.G., and others, 1978, Major original features of the Ul'sky volcanic-plutonic structure, lower Amur region, *in* Govorov, I.N., ed. Genesis of Endogenous Mineralization of the Russian Far East: Far East Geological Institute, U.S.S.R. Academy of Sciences, Vladivostok, p. 130-139 (in Russian).
- Zelenova, G.M., 1990, A model of mineralogical-geochemical zonality for the Churpunya deposit, *in* Mineralogical Aspects of Metallogeny in Yakutia: Yakutian Scientific Center, U.S.S.R. Academy of Sciences, Yakutsk, p. 75-82 (in Russian).
- Zhai, Yusheng, and others, 1997, Essentials of metallogeny, Geological Publishing House, Beijing, 287 p. (in Chinese).
- Zhai, Yusheng, Deng, Jun, and Li, Xiaobo, 1999, Essentials of metallogeny: Geological Publishing House, Beijing, p. 287 (in Chinese).
- Zhang, Dequan, Ai, Xia, and Bao, Xiupo, 1994, Nonferrous metallic deposits in the Huanggang-Ganzhuermiao Mesozoic active region, *in* Rui, Zongyao, Shi, Lindo, and Fang Ruhing, and others, eds., Geology of Nonferrous Metallic Deposits in the

- Northern Margin of the North China Landmass and Adjacent Area: Geological Publishing House, Beijing, p. 345-356 (in Chinese).
- Zhang, Hongtao, and Nie, Fengjun, 1994, Nonferrous metal deposits in the Inner Mongolia-Jilin Paleozoic margin basin, *in* Rui, Zongyao, Shi, Lindao, and Fang, Ruhen, eds., *Geology of Nonferrous Metallic Deposits in the Northern Margin of the North China Landmass and Adjacent Area*, Beijing, Geological Publishing House, p. 260-264 (in Chinese).
- Zhang, Qiusheng, and others, 1984, *Geology and metallogeny of the Early Precambrian in China*, *in* Project 91 International Geological Correlation Programme, National Working Group of China: Jilin Publishing House, Changchun, p. 100-335 (in Chinese).
- Zhang, Xianbao, 1993, The Xieertala iron and zinc deposit, *in* Yao, Peihui, ed., *Records of China's Iron Ore Deposits of China: Metallurgical Industry Press*, Beijing, p. 226-230 (in Chinese).
- Zhang, Yixia, Ye, Tingshun, Yang, Hongquan, and others, 1986, Archean geology and metamorphic iron ore deposits of Jidong (East Hebei Province: Geological Publishing House, Beijing, 178 p. (in Chinese).
- Zhang, X., Nesbitt, B.E., and Muehlenbachs, K., 1989, Gold mineralization in the Okanagan Valley, southern British Columbia: Fluid inclusion and stable isotope studies: *Economic Geology*, v. 84, p. 410-424.
- Zhidkov, A.Ya., 1968, Apatite abundance in alkaline intrusions of Northern Pribaikalia, *in* *Apatites*: Nauka, Moscow, p. 126-132 (in Russian).
- Zhilyaeva, A.I., AND Naumov, V.B., 2000, Mineral composition and fluid regime of formation of gold ore deposit Yubileinoe (Transbaikalia): *Geology of Ore Deposits*, Moscow, v. 42, no. 1, p. 63-73 (in Russian).
- Zhizhin, V I; Nikitin, V M; Tret'yakov, M F, 2000, Platinum ore potential of the Stanovoy and Aldan shields: *Geology and Exploration*, v. 1, p. 81-86 (in Russian).
- Zhou, Kun, 1995, Geological features and origin of the Hadamengou gold deposit, Inner Mongolia, *in* *Gold*: Changchun Institute of Gold, Metallurgical Industry Ministry, Changchun, v. 16, no.10, 58 p.. (in Chinese).
- Zhu, Xun, ed., 1999, Mineral resource information, *in* *Metallic Mineral Resources: Scientific Publishing Beijing, House*, v. 2 (in Chinese).
- Zilbermints, A.V., 1966, *Geology and genesis of the Lultin tin-tungsten deposit*: Nauka, Moscow, 191 p. (in Russian).
- Zimin, S.S., 1985, On the genesis of the Gar deposit in the Amur Region, *in* Zimin, S.S., ed., *Geology, Magmatism, and Mineralization of Primorye*: Amur Interdisciplinary Science Research Institute, U.S.S.R. Academy of Sciences, Vladivostok, p. 3-7 (in Russian).
- Zimin, S.S., and Konoplev, I.I., 1989, Perspectives of the Selemdzha iron ore zone, *in* Moiseenko, V.G., ed. *Iron Ores of the Russian Far East: Far East Branch, U.S.S.R. Academy of Sciences, Vladivostok*, p. 76-83 (in Russian).
- Znamirovsky, V.N., and Malykh, V.S., 1974, Basic geological features of mercury and associated mineralization in the Vitim-Patom region, *in* *Endogenous Useful Minerals of Sayan-Baikal mountainous region*: Geological Survey, Irkutsk, p. 51-59 (in Russian).
- Zolotukhin, V.V., 1997, Permian-Triassic trap magmatism at the Siberian Platform: Problems of age and extremal intensity: *Geology and Geophysics*, v. 38, no.11, p. 1773-1781 (in Russian).
- Zolotukhin, V.V., and Vasil'ev, Yu.R., 1976, Problems of platform magmatism: Differentiation as a reason of magmas diversity: *Geology and Geophysics*, no.4, p. 58-67 (in Russian).
- Zolotukhin, V.V., and Vasil'ev, Yu.R., 1967, Features of formation of some trap intrusions at the northwestern Siberian Platform: *Nedra, Moscow*, 231 p (in Russian).
- Zolotukhin, V.V., Ryabov, V.V., Vasil'ev, Yu.R., and Shatkov, V.A., 1975, Petrology of Talnakh ore-bearing differentiated trap intrusion: *Nauka, Novosibirsk*, 436 p. (in Russian).
- Zonenshain, L.P., and others, 1975, General tectonic-magmatic zonality of the Mongolian-Okhotsk belt and the place of Mongolian Mesozoic granitoids, *in* *Mesozoic and Cenozoic Tectonics and Magmatism*, v. 11: Nauka, Moscow, p.182-197 (in Russian).
- Zonenshain, L.P., Kuzmin M.I., and Natapov L.M., 1990, Plate tectonics of the territory of U.S.S.R.. *Nedra, Moscow*, part 1, 328 p. (in Russian).
- Zonenshain, L.P., Kuzmin, M.I., and Natapov, L.M., 1992, Plate tectonics and ore deposits in Northern Eurasia (former U.S.S.R.) [abs.]: *Colorado School of Mines Quarterly Review*, v. 92, no. 2, p. 13.
- Zonov, V.A., 1973, The role of regional transcurrent disjunctives in distribution of Severo-Yeniseisk gold-ore cluster: *Geology and Geophysics*, no.12, p. 38-42 (in Russian).
- Zorin, Yu.A., 1999, Geodynamics of the western part of the Mongolia-Okhotsk collisional belt, Trans-Baikal region (Russia) and Mongolia: *Tectonophysics*, no. 306, p. 33-56.
- Zorin, Yu.A., and others, 1993, The south Siberia-central Mongolia transect: *Tectonophysics*, v. 225, p. 361-378.
- Zorin, Yu.A., Belichenko, V.G., Rutshtein, I.G., Zorina, L.D., and Spiridonov, A.M., 1998, Geodynamics of the western part of the Mongolia-Okhotsk foldbelt and tectonic framework of gold mineralization in the Trans-Baikal area: *Geology and Geophysics, Novosibirsk*, v. 39, no. 11, p. 1578-1585 (in Russian).
- Zorina, L.D., 1993, Genetic model of gold ore deposits in the tectonic-magmatic structures of central type: *Geology and Geophysics, Novosibirsk*, v. 34, no. 2, p. 77-83 (in Russian).
- Zorina, L.D., Romanov, V.A., and Gulina, V.A., 1989, New data on the structure of the Darasun ore region (Eastern Transbaikalia): *U.S.S.R. Academy of Sciences Transactions, Moscow*, v. 306, no. 4, p. 935-937.
- Zubkov, V.S., Plusnin, G.S., and Smirnova, E.V., 1990, Isotopic dating and genesis of nepheline deposits of the Minusinsk depression, *in* *Isotopic Dating of Endogenous Ore Formations*: U.S.S.R. Academy of Sciences, Kiev, p. 115-118 (in Russian).

