

APPENDIX 4: REFERENCES FOR APPENDIX 3

- Ackerman, L. Zachariáš, J. and Pudilová, M. (2007) P–T and fluid evolution of barren and lithium pegmatites from Vlastějovice, Bohemian Massif, Czech Republic. *International Journal of Earth Sciences (Geologisches Rundschau)*, 96, 623-638.
- Ackermann D, Windley BF, and Razafiniparany AH (1991) Korneupine breakdown reactions in paragneisses from southern Madagascar. *Mineral Mag* 55:71-80
- Adlakha, E. and Hattori, K. (2014) Tourmaline in the metasedimentary country rocks of the McArthur River uranium deposit, Saskatchewan. Geological Association of Canada-Mineralogical Association of Canada, Joint Annual Meeting Abstracts, 37, 4
- Ahlfeld, F., Mosebach, R. and Oehmichen, H. (1938) Zinnersvorkommen in der Provinz Hunan (China). *Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, Abteilung A*, 73, 327-351.
- Aleksandrov, S.M. (1974a) Geochemistry of boron-tin mineralization in the magnesian skarns of eastern Chukotka. *Geokhimiya*, 10, 1440-1450 (in Russian. English translation::Geochemistry International, April, 1975, Vol. 11, Issue 3, pp. 532-539).
- Aleksandrov, S.M. (1974b) Geochemical features of endogeneous borate mineralization in Italy. *Geokhimiya*, 5, 763-772 (in Russian. English translation::Geochemistry International, April, 1974, Vol. 10, pp. 987-996).
- Aleksandrov, S.M. (1975a) On the characteristics of the acid leaching stage at the boron and tin deposits in magnesian skarns. *Geokhimiya*, 3, 401-411 (in Russian. English translation: Geochemistry International, 1975, Vol. 12, Issue 2, pp. 78-87).
- Aleksandrov, S.M. (1975b) Geochemical aspects of B-Sn ore formation in Alaska deposits. *Geokhimiya*, 4, 483-495 (in Russian. English translation: Geochemistry International, 1975, Vol. 12, Issue 2, pp. 139-150)
- Aleksandrov, S.M. (1976) Magnesian-ferrous-ferric borates. Their Natural Modifications and Analogues. *Novye dannye o mineralakh SSSR = New Data on Minerals of the USSR*, 5, 3-26 (in Russian).

- Aleksandrov, S.M. (1982) Geochemistry of Boron and Tin in Deposits of the Magnesium Skarn Formation. Nauka, Moscow, 272 p. (in Russian).
- Aleksandrov, S.M. (1998) Geochemistry of Skarn and Ore Formation in Dolomites. VSP Utrecht, The Netherlands.
- Aleksandrov, S.M. (2003) Genesis and composition of ore-forming magnesian borates, their analogues, and modifications. *Geochemistry International*, 41, 440-458.
- Aleksandrov, S.M. (2005) Borates of the sakhaite – harkerite series at magnesian skarn deposits in the northeast of Russia: Genesis and isomorphism. *Geochemistry International*, 43, 881–903.
- Aleksandrov, S.M. (2007) Endogenous transformations of kotoite in calciphyres at magnesian-skarn deposits of boron. *Geochemistry International*, 45, 666–684.
- Aleksandrov, S.M. (2008) Geochemical features of the endogenous hydration of magnesium borates. *Geochemistry International*, 46, 578-594.
- Aleksandrov, S.M. (2010) Skarn-greisen deposits of the Lost River and Mount Ear ore field, Seward Peninsula, Alaska, United States. *Geochemistry International*, 48, 1220-1236.
- Aleksandrov, S.M. and Malinko, S.V. (1975) Geochemical features of endogenic and exogenic alterations of carbonatoborates, *Geokhimiya*, 1975(1), 3–16 (in Russian; English translation of abstract: *Geochemistry International*, 1975, 12(1), 199)
- Aleksandrov, S.M. and Troneva, M.A. (2000) Isomorphism in borates of the ludwigite – vonsenite series from magnesian skarns of North America. *Geochemistry International* 38, 144-158.
- Aleksandrov, S.M. and Troneva, M.A. (2003) Geochemistry of titanium and its modes of occurrence in metasomatically altered rocks at skarn deposits. *Geochemistry International* 41(1), 25-42.
- Aleksandrov, S.M. and Troneva, M.A. (2008) Heterovalent isomorphism in the magnesium–iron borates. *Geochemistry International* 46(8), 800-813.
- Aleksandrov, S.M. and Troneva, M.A. (2009) Composition and genesis of endogenous borates from the Pitkäranta Ore Field, Karelia. *Geochemistry International* 47, 914–929.

- Aleksandrov, S.M. and Troneva, M.A. (2011) Genesis and composition of endogenous borates in the skarns of the eastern and central Pyrenees. *Geochemistry International* 49, 802-804.
- Aleksandrov, S. M., and Troneva, M. A. (2012) Genesis and composition of borates in the metasomatically altered dolomitic, rhodochrosite, and calcareous marbles of Japan. *Geochemistry International*, 50(11), 885-898.
- Aleksandrov, S.M., Troneva, M.A. and Kuril'chikova, G.E. (2000a) Boron – tin mineralization in contact aureole at Brooks Mountain, Alaska, the USA: Composition and geochemical evidence for genesis. *Geochemistry International* 38, 772-787.
- Aleksandrov, S.M., Troneva, M.A. and Kuril'chikova, G.E. (2000b) Tin-bearing borates of hulsite – paigeite series from skarn deposits of northeastern Russia: Composition and geochemical evidence for genesis. *Geochemistry International* 38, 746-759.
- Alexandre, P., Peterson, R.C., Kyser, K., Layton-Matthews, D., and Joy, B. (2014) High-Cr minerals from the Matoush uranium deposit in the Otish basin, Quebec, Canada. *Canadian Mineralogist*, 52, 61-75.
- Alfors J T, Pabst A (1984) Titanian taramellites in western North America, *American Mineralogist* 69, 358-373.
- Allen, R.D. and Kramer, R.D. (1957) Ginorite and sassolite from Death Valley, California. *American Mineralogist*, 42, 56-61.
- Alonso, R.N. (1999) On the origin of the La Puna borates. *Acta Geologica Hispanica* 34, 141-166.
- Anderson SM (1975) Grandidierite and kornorupine: two boron-bearing minerals new to Rhodesia. *Ann Rhodesian Geol Surv* 1:49-59.
- Ando, T., Kanayama, A., Kobayashi, S., Miyawaki, R., Kishi, S., Tanabe, M. and Kusachi, I. (2015) Roweite from the Fuka mine, Okayama Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, 110, 29-34
- Andrehs, G. (1966)- Thermische Untersuchung von Priceit aus Pöhla [Erzgebirge) – *Berichte der Deutschen Gesellschaften für Geologische Wissenschaften, Reihe B, Mineralogie und Lagerstättenforschung*, 11,373-377.

- Ansin, R.L. (1970) Recent mineral discoveries, New Zealand Lapidary Journal, 3, 19-22.
- Anthony, J.W., Williams, S.A., Bideau, R.A. and Grant, R.W. (1995), Mineralogy of Arizona, 3rd. edition. University of Arizona Press, Tucson.
- Appel P W U (1997) Al-rich warwickite from Inglefield Land, North-West Greenland. Mineralogical Magazine, 61, 693-698.
- Appel P W U, Bigi S, Brigatti M F (1999) Crystal structure and chemistry of yuanfuliite and its relationships with warwickite. European Journal of Mineralogy 11, 483-491.
- Apollonov, V N; Galkin, G A; Koshug, D G; Krovopalov, O A; and Sadovyi, V F. (1988) Boron mineralization in the potassic member of the Nepa Deposit. Soviet Geology and Geophysics, 29(3), 21-26.
- Apollonov, V N; Dolinina, Yu V; Dorokhova, G I., Kuznetsov, I Ye; Piloyan, G A; Sokolov, V.N. and Sultanova, Ye.A. (1989) Ca-veatchite from the Nepa Deposit of potash salts. Mineralogicheskii Zhurnal, 11(4). 78-83 (in Russian with English abstract)
- Apollonov, V N, Dolinina, Yu V; Yegorov-Tismenko, Yu.K., Piloyan, G A. and Sokolova, Ye.V. (1990) Volkovskite from the Nepa Deposit of potash salts. Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva, 119(5), 27-31 (in Russian with English abstract)
- Aristarain L F, Hurlbut C S (1967) Mcallisterite, $2\text{MgO} \cdot 6\text{B}_2\text{O}_3 \cdot 15\text{H}_2\text{O}$, from Salta, Argentina. American Mineralogist 52, 1776-1784.
- Aristarain L F, Hurlbut C S (1968) Teruggite, $4\text{CaO} \cdot \text{MgO} \cdot 6\text{B}_2\text{O}_3 \cdot \text{As}_2\text{O}_5 \cdot 18\text{H}_2\text{O}$, a new mineral from Jujuy, Argentina. American Mineralogist 53, 1815-1827.
- Aristarain, L.F., Erd, R.C. and Eberlein, G.D. (1974) Roweite from Franklin, New Jersey: A restudy. American Mineralogist 59, 66-70.
- Aristarain, L.F., Erd, R.E.; and Nicolli, H.B. (1977) Searlesita, $\text{NaBSi}_2\text{O}_5(\text{OH})_2$ de Tincalayu, Provincia de Salta, Republica Argentina. Universidad Nacional de La Plata. Facultad de Ciencias Naturales y Museo. Obra del Centenario del Museo de la Plata. Tomo IV Geologia, p. 49-61 (in Spanish with abstract in English).

- Auricchio, C., Demartin, F., Ottolini, L.; Pezzotta, F. (1999) Homogeneous liddicoatite from Madagascar: a possible reference material? First EMPA, SIMS and SREF data. *European Journal of Mineralogy*, 11, 237-242.
- Avrova N P, Bocharov V M, Khalturina I I, Yunosova Z R (1968) Mineralogy of borates in halogen formations. *Geology and Exploration of Solid Mineral Deposits of Kazakhstan*, 169-173 (in Russian).
- Bačík, P., Uher, P., Sýkora, M. and Lipka, J. (2008) Low Al tourmalines of the schorl–dravite–povondraite series in redeposited tourmalinites from the western Carpathians, Slovakia. *Canadian Mineralogist*, 46, 1117-1129.
- Bačík, P., Méres, Š., Uher, P. (2011) Vanadium-bearing tourmaline in metacherts from Chvojnice, Slovak Republic: Crystal chemistry and multistage evolution. *Canadian Mineralogist*, 49, 195-206.
- Bačík P, Cempírek J, Uher P, Novák M, Ozdín D, Filip J, Škoda R, Breiter K, Klementová M, Ďud'a R, Groat L A (2013) Oxy-schorl, $\text{Na}(\text{Fe}^{2+}_2\text{Al})\text{Al}_6\text{Si}_6\text{O}_{18}(\text{BO}_3)_3(\text{OH})_3\text{O}$, a new mineral from Zlatá Idka, Slovak Republic and Příbyslavice, Czech Republic, *American Mineralogist* 98, 485-492
- Bačík, P., Koděra, P., Uher, P., Ozdín, D. and Jánošík, M. (2015) Chlorine-enriched tourmalines in hydrothermally altered diorite porphyry from Biely Vrch gold deposit (Slovakia). *Canadian Mineralogist*, 53, 673-691
- Bailey, G.E. (1902) The saline deposits of California. *California Mineral Bureau Bulletin* 24, 216 p.
- Baillieul, T.A. (1976) The Cascade Slide: A mineralogical investigation of a calc-silicate body on Cascade Mountain, Town of Keene, Essex County, New York. University of Massachusetts, Department of Geology Contribution 27:128 p
- Baksheev, I. A. and Kudryavtseva, O. E. (2004): Nickeloan tourmaline from the Berezovskoe gold deposit, Middle Urals, Russia. *Canadian Mineralogist* 42, 1065-1078.
- Baksheev, I. A., Tikhomirov, P.L., Yapaskurt, V.O., Vigasina, Prokof'ev, V.Yu. and Ustinov, V.I. (2009): Tourmaline of the Mramorny tin cluster, Chukotka Peninsula, Russia. *Canadian Mineralogist* 47, 1177-1194.

- Baksheev IA, Prokof'ev VYu, Yapaskurt VO, Vigasina MF, Zorina LD, Solov'ev VN (2011) Ferric-iron-rich tourmaline from the Darasun gold deposit, Transbaikalia, Russia. *Canadian Mineralogist*, 49, 263–276
- Baksheev, I.A; Prokofiev, V.Yu.; Trumbull, R.B; Wiedenbeck, M.; Yapaskurt, V.O. (2015) Geochemical evolution of tourmaline in the Darasun gold district, Transbaikal region, Russia; evidence from chemical and boron isotopic compositions *Mineralium Deposita*, 50, 125-138.
- Balasubrahmanyam MN (1965) Note on korerupine from Ellammankovilpatti, Madras, India. *Mineral Mag* 35:662-664.
- Barbieri M, Cozzupoli D, Federico M, Fornaseri M, Merlino S, Orlandi P, Tolomeo L (1977) Harkerite from Alban Hills, Italy. *Lithos* 10:133-141.
- Barić, L. (1966) Searlesit von Lopare in Nordostbosnien. *Berichte der Deutschen Gesellschaft für Geologische Wissenschaften. Reihe B: Mineralogie und Lagerstättenforschung*, 11(4) 407-421.
- Barresi, A. and Ambrino, P. (2005): Nuovi dati sulla inderite di Brosso. *Notiziario Musei dell'Associazione Canavesana e Gruppo Mineralogico di Brosso*, 46, 7-8.
- Barsanov, G.P. (1951) The isomorphous series of axinite, and the new mineral species severginite. *Trudy Mineralogicheskogo Muzeya Akademii Nauk. SSSR*, 3, 10-18.
- Basharina, L.A. (1961) Volcanic gases on different stages of activity of volcanoes. *Trudy Laboratorii Vulkanologii Akademii Nauk SSSR*, 19, 69–79 (in Russian).
- Basharina, L.A. (1965) Gases of Kamchatka volcanoes. *Bulletin Volcanologique*, 28, 95-105.
- Bassett, A.M. (1985) The tourmalines of Nepal. *Mineralogical Record*, 16, 413-418.
- Bauer, L.H. and Berman, H. (1929) Mooreite, a new mineral, and fluoborite, from Sterling Hill, New Jersey. *American Mineralogist*, 14, 165-172.
- Behier J (1960) Contribution à la minéralogie de Madagascar. *Ann Géol Madagascar* 29:1-78
- Behier J (1961) Travaux minéralogiques. In *Rapport Annuel du Service Géologique de Madagascar pour 1961*, p 183-184.

- Bellatreccia, F. (1994), Minerali di Terre Rare del Lazio, Il Cercapietre Notiziario del Gruppo Mineralogico Romano, 21, 11-19.
- Bellatreccia, F., Cámara, F., Ottolini, L., Della Ventura, G., Cibin, G. and Mottana, A. (2005) Wiluite from Ariccia, Latium, Italy: Occurrence and crystal structure. *Canadian Mineralogist*, 43, 1457-1468.
- Belley, P.M., Grice, J.D., Fayek, M., Kowalski, P.M. and Grew, E.S. (2014) A new occurrence of the borosilicate serendibite in tourmaline-bearing calc-silicate rocks, Portage-du-Fort Marble, Grenville Province, Québec: Evolution of boron isotopes and tourmaline in a metamorphic context. *Canadian Mineralogist*, 52, 595-616.
- Benda, W.K., Erd, R.C. and Smith, W.C. (1960) Core logs from five test holes near Kramer California. U.S. Geological Survey Bulletin 1045-F, 393 p.
- Bennett, W.A.G. and Thorsen, G.A. (1960) Mode of deposition of ludwigite, kotoite, and cubanite in dunite on Jumbo Mountain, Snohomish County, Washington. *Bulletin of the Geological Society of America*, 71(12), part 2, 2049-2050 (abstract).
- Bermanec, V; Zebec, V; Brajković (1987):Searlesite from the Salt Mine Tušanj, Tuzla, Yugoslavia. *Geološki Vjesnik*, 40, 75-80.
- Beukes, C.J., de Bruijn, H. and van der Westhuizen W.A. (1993) Gaudefroyite from the Kalahari manganese field, South Africa. *Neues Jahrbuch für Mineralogie Monatshefte*, 1992, 385-392.
- Beurlen, H., DaSilva, M.R.R. and Soares, D.R. (2010) Magnesiofoitite in the “*Equador Quartzites*”, Borborema Pegmatite Province, Northeast Brazil. *Acta Mineralogica-Petrographica Abstract Series*. 6, 477.
- Beyer, H. and Schnorrer-Köhler, G. (1981) Jeremejewit-Neufund in der Eifel und die Beteiligung von Bor bei der Mineralbildung in Schlackenauswürflingen der Eifeler Vulkane, *Der Aufschluss* 32, 125-129.
- Biagioni, C., Bonaccorsi, E., Merlino, S., Bersani, D. and Forte, C. (2012) Thermal behaviour of tobermorite from N’Chwaning II mine (Kalahari Manganese Field, Republic of South

- Africa) II. Crystallographic and spectroscopic study of tobermorite 10 Å. *European Journal of Mineralogy*, 24, 991-1004.
- Bideaux, R.A., Williams, S.A. and R.M. Thomssen (1960), Some new occurrences of minerals of Arizona. *Arizona Geological Society Digest*, 3, 53-56.
- Bigi S, Brigatti M F, Capedri S (1991) Crystal chemistry of Fe- and Cr-rich warwickite. *American Mineralogist* 76, 1380-1388.
- Bilohščin, V., Uher, P., Koděra, P., Milovská, S. and Bačík, P. (2017) Evolution of borate minerals from contact metamorphic to hydrothermal stage: ludwigite-group and szaibélyite from the Vysoká – Zlatno skarn, Slovakia. *Mineralogy and Petrology* (in preparation).
- Bilonizhka, P.M., Vynar, O.N., Mel'nikov, V.S. and Vovk, P.K. (1971) First find of chambersite in the USSR. *Doklady of the Academy of Sciences of the U.S.S.R., Earth Science Sections*, 191, 129-130.
- Black, P.M. (1970) Grandidierite from Cuvier Island, New Zealand. *Mineralogical Magazine*, 37, 615-617.
- Black, P.M. (1971) Tourmalines from Cuvier Island, New Zealand. *Mineralogical Magazine*, 38, 374-376.
- Blaise J, Cesbron F (1966) Données minéralogiques et pétrographiques sur le gisement de lapis-lazuli de Sar-e-Sang, Hindou-Kouch, Afghanistan. *Bull Soc Franç Minéral Crist* 89:333-343
- Blaß, G., Graf, H.W. (1994) Über neue Mineralien vom Bellerberg, Eifel. *Mineralien-Welt*, 5(6), 53-56.
- Blaß, G. and Graf, H.W. 1999 Die Wannenköpfe bei Ochtendung in der Vulkaneifel und ihre Mineralien *Mineralien-Welt* 10/6, 20-47.
- Blaß, G. and Kruijen, F. (2013) Die mineralogischen Neuigkeiten 2012 aus der Vulkaneifel - *MINERALIEN-Welt* 24(3), 33-41
- Blaß, G. and Schüller, W. (2011) „Unglaubliche“ Kupferminerale aus der Vulkaneifel: „Auf'm Kopp“ bei Neroth. *Lapis*, 36(10), 21-28.

- Blaß, G., Graf, H.W. and Kolitsch, U. (2003) Neue Funde aus der Vulkaneifel - ein Rückblick auf die Sammelsaison 2002 Mineralien-Welt 14/5, 18-28
- Blaß, G., Emmerich, F. and Graf, HW. (2013): DVD Minerale der Vulkaneifel Version 2013/1.1 published by authors
- Blazko L N, Kondrat'eva V V, Yarzhemskii Y Y (1962) Aksaite, a new hydrous magnesium borate, Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 91, 447-454 (in Russian).
- Blokhina, N.A. (1974) Boron mineralization in skarns of the gold-sulfide deposit of the Taror Group (central Tajikistan). Doklady Akademii Nauk Tadzhikskoy SSR. 17(8), 47-50 (in Russian).
- Bocharov, V.M. and Avrova, N.P. (1969) On veatchite from halogenic beds. Materialy k Sessii, posvyashchennoy 150-Letnemy Yubileyu Vsesoyuznogo Mineralogicheskogo Obshchestva. Alma-Ata: Izdatel'stvo Akademii Nauk KazSSSR, p. 35-36 (in Russian).
- Bocharov V M, Khalturina I I, Avrova N P, Shipovalov Y V (1969) The new mineral satimolite, a hydrous chlorine-containing borate of aluminum and alkalis, Trudy Mineralogicheskogo Muzeya Akademiya Nauk SSSR 19, 121-123 (in Russian).
- Boeke, H.E. (1910) Ueber die Borate der Kalisalzlagertstätten. Centralblatt für Mineralogie, Geologie und Paläontologie, 1910, 531-539.
- Bogomolov M A, Nikitina I B, Pertsev N N (1969) Olshanskyite - a new calcium borate, Doklady Akademii Nauk SSSR 184, 1398-1401.
- Boiocchi, M., Callegari, A. and Ottolini, L. (2006) The crystal structure of piergorite-(Ce), $\text{Ca}_8\text{Ce}_2(\text{Al}_{0.5}\text{Fe}^{3+}_{0.5})_{\Sigma 1}(\square, \text{Li}, \text{Be})_2\text{Si}_6\text{B}_8\text{O}_{36}(\text{OH}, \text{F})_2$: A new borosilicate from Vetralla, Italy, with a modified hellandite-type chain. American Mineralogist 91, 1170-1177.
- Bonardo, L., Fraccaro, G., Ciriotti, M.E., Blass, G. and Ambrino, P. (2008). Primo ritrovamento di grandidierite in Namibia. Micro (notizie mineralogiche), 2008, 129-131.
- Bonifazi, G., Massacci, P. and Serranti, S. (2004) A digital imaging based approach to characterize arsenic minerals in colemanite ores. The European Journal of Mineral Processing and Environmental Protection, 4(3), 260-271.

- Bosi, F., Skogby, H., Ciriotti, M.E., Gadas, P., Novák, M., Cempírek, J., Všíanský, D. and Filip, J. (2015) Lucchesiite, IMA2015-043. CNMNC Newsletter No. 27, October 2015, page 1224; Mineralogical Magazine, 79, 1229–1236
- Bosi, F., Skogby, H. and Hålenius, U. (2016) Oxy-foitite, IMA 2016-069. CNMNC Newsletter No. 34, December 2016, page 1317; Mineralogical Magazine, 80, 1315–1321.
- Bosi, F., Skogby, H., Ciriotti, M.E., Gadas, P., Novák, M., Cempírek, J., Všíanský, D. and Filip, J. (2017a) Lucchesiite, $\text{CaFe}^{2+}_3\text{Al}_6(\text{Si}_6\text{O}_{18})(\text{BO}_3)_3(\text{OH})_3\text{O}$, a new mineral species of the tourmaline supergroup. Mineralogical Magazine, 81, 1-14.
- Bosi, F., Skogby, H. and Hålenius, U. (2017b) Oxy-foitite, $\square(\text{Fe}^{2+}\text{Al}_2)\text{Al}_6(\text{Si}_6\text{O}_{18})(\text{BO}_3)_3(\text{OH})_3\text{O}$, a new mineral species of the tourmaline supergroup. European Journal of Mineralogy, 29, in press.
- Bouška, V., Povondra, P. and Lisý (1973) Uvite from Hnúšťa. Acta Universitatis – Geologica, no. 3, 163-170 (in Czech with English abstract).
- Bowden P, von Knorring O, Bartholemew RW (1969) Sinhalite and serendibite from Tanzania. Mineral Mag 37:145-146.
- Bozkaya, G., Hanilçı, N., Baksheev, I. A., Prokofiev, V. Yu. and Banks, D. A. (2014), Tourmaline composition of the Kışladağ Au Deposit, Uşak, Turkey. Acta Geologica Sinica (English Edition), 88: 520–521
- Bracco, R., Balestra, C., Castellaro, F., Mills, S.J., Ma, C., Callegari, A.M., Boiocchi, M., Bersani, D., Cadoni, M., Ciriotti, M.E. (2012): Nuovi minerali di terre rare da Costa Balzi Rossi, Magliolo (SV), Liguria. Micro, 2/2012, 66-77.
- Bradley, W.M. (1909) Analysis and chemical composition of the mineral warwickite. American Journal of Science, 158, 179-184.
- Braga, R.; Callegari, Athos, Messiga, B., Ottolini, L. Renna, M. R. and Tribuzio, R. (2003) Origin of prismaticine from the Sondalo granulites (Central Alps, northern Italy). European Journal of Mineralogy, 15, 393-400.
- Braitsch, O. (1959a) 1Tc-Strontiohilgardite $(\text{Ca}, \text{Sr})_2[\text{B}_5\text{O}_8(\text{OH})_2\text{Cl}]$ und seine Stellung in der Hilgarditgruppe $\text{X}^{\text{II}}_2[\text{B}_5\text{O}_8(\text{OH})_2\text{Cl}]$. Beiträge zur Mineralogie und Petrographie, 6, 233-247.

- Braitsch O (1959b) Über Strontioginorit, eine neu Ginorit-Varietät aus dem Zechsteinsalz. Beiträge zur Mineralogie und Petrographie 6, 366-370
- Braitsch, O. (1959c): Über p-Veatchit, eine neue Veatchit-Varietät aus dem Zechsteinsalz. Beiträge zur Mineralogie und Petrographie 6, 352-356.
- Braitsch, O. (1961): Neue Daten für Lüneburgit und Sulfoborit. Beiträge zur Mineralogie und Petrographie 8, 60-66.
- Breaks, F.W. and Tindle, A.G. 2004. Rare-element granitic pegmatites of the Fort Hope field, north-central Ontario; *in* Summary of Field Work and Other Activities 2004, Ontario Geological Survey, Open File Report 6145, p.11-1 to 11-9.
- Breaks, F.W., Tindle, A.G., and Selway, J.B. (2008) Electron microprobe and bulk rock and mineral compositions from rare-element pegmatites and peraluminous, S-type granitic rocks from the Fort Hope pegmatite field, north-central Superior Province of Ontario. Ontario Geological Survey, Miscellaneous Release-data 235.
- Brobst, D.A. and Tucker, J.D (1973) X-ray mineralogy of the Parachute Creek Member, Green River Formation, in the northern Piceance Creek basin, Colorado. U. S. Geological Survey Professional Paper (1973), 53 p.
- Brögger W C (1887) Foreløbig meddelelse om mineralerne på de sydnorske augit- og nefelinsyeniters grovkornige gange. Geologiska Föreningens i Stockholm Förhandlingar 9, 247-274.
- Brovkin, A.A., Lazebnik, Yu.D. and Lebedeva, L.I. (1967) Some Results of the Study of Fluoborite from the Northeast of the USSR. In Rentgenografiya Mineral'nogo Syr'ya (Nedra, Moscow, 1967), 6, 77-86 [in Russian].
- Brovkin, A.A., Polshin, E.V., Brovkina, V.S., and Novoselov, Y.M. (1978) Cation distribution in structure of warwickite $\text{Mg}_{1.34}\text{Fe}_{0.16}\text{Al}_{0.12}\text{Ti}_{0.38}\text{OBO}_3$ from data of X-ray structure analysis and Mossbauer spectroscopy. Kristallografiya, 23(1), 107-112 (in Russian).
- Bruce, E.L. (1917) Magnesian tourmaline from Renfrew, Ontario. Mineralogical Magazine, 18, 133-135.

- Brush G J (1868) On sussexite, a new borate from Mine Hill, Franklin Furnace, Sussex Co., New Jersey. *American Journal of Science and Arts* 96, 240-243.
- Brusnitsyn, A I. (2009) Mineralogy of manganese-bearing metamorphic rocks in the Southern Urals. *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva*, 138(5), 1-18.
- Brusnitsyn, A.I., Semkova, T.A. and Chukanov, N.V (1997) Manganaxinite from the Kyzyl-Tash deposit – a new find in the southern Urals. *Vestnik Sankt Peterburgskogo Gosydarstvogo Universiteta*, seriya 7, vypusk 2, no. 14, p. 89-94.
- Bruyère. D., Delor, C., Raoul, J., Rakatondranaivo, Wille, G., Maubec, N. and Lahfid, A. (2016) A new deposit of gem-quality grandidierite in Madagascar. *Gem & Gemology*, 52, 266-275.
- Bücking H (1893) Sulfoborit, ein neues krystallisirtes Borat von Westeregeln, *Sitzungsberichte der Königlich Preussischen Akademie der Wissenschaften* 1893, 967-972.
- Bücking H (1902) Sulfoborit von der Asse. *Zeitschrift für Kristallographie*, 38, 156.
- Bugge, J.A.W. (1945) Løddesøl skarn occurrence. *Norsk Geologisk Tidsskrift*, 25, 35-47 (in Norwegian).
- Bugge, J.A.W. (1951) Minerals from the skarn iron ore deposits at Arendal, Norway. I Cahnite from Klodeborg Mine. *Det Kongelige Norske Videnskabers Selskab Forhandlinger Band 24* (17), 79-81.
- Buick, I., Grew, E.S, Armbruster, T., Medenbach, O., Yates, M.G., Bebout, G.E. and Clarke, G.L. (2008) Boromullite, $\text{Al}_9\text{BSi}_2\text{O}_{19}$, a new mineral from granulite-facies metapelites, Mount Stafford, central Australia and a natural analogue of a “boron-mullite”. *European Journal of Mineralogy*, 20, 935-950.
- Bullock, K. C. (1981) Minerals and Mineral Localities of Utah. *Utah Geological and Mineral Survey Bulletin* 117.
- Buriánek, D. and Novák, M. (2004) Morphological and compositional evolution of tourmaline from nodular granite at Lavičky, near Velké Meziříčí, Moldanubicum, Czech Republic. *Journal of the Czech Geological Society*, 49(1-2), 81-90.

- Burns P C, Hawthorne F C, Stirling J A R (1992) Trembathite, $(\text{Mg,Fe})_3\text{B}_7\text{O}_{13}\text{Cl}$, a new borate mineral from the Salt Springs potash deposit, Sussex, New Brunswick. *The Canadian Mineralogist* 30, 445-448.
- Burns P C, Hawthorne F C, MacDonald D J, Della Ventura G, Parodi G C (1993) The crystal structure of stillwellite. *The Canadian Mineralogist* 31, 147-152
- Byerly GR, Palmer MR (1991) Tourmaline mineralization in the Barberton greenstone belt, South Africa: early Archean metasomatism by evaporite-derived boron. *Contrib Mineral Petrol* 107:387-402.
- Cairncross, B., and Bahmann, U., (2006) Famous Mineral Localities: The Erongo Mountains Namibia. *Mineralogical Record*, 37(5), 361-470.
- Cairncross, B. and Dixon, R. (1995) Minerals of South Africa. Geological Society of South Africa, Johannesburg. 290 p.
- Campostrini, I., Demartin, F. and Gramaccioli, C.M. (2010) Vulcano: ein außergewöhnlicher Fundpunkt von neuen und seltenen Mineralien. *Mineralien-Welt*, 21(3), 40-57.
- Campostrini, I., Demartin, F., Gramaccioli, C.M. and Russo, M. (2011) Vulcano: Tre Secoli di Mineralogia. Associazione Micro-mineralogica Italiana, Cremona, Italy. 344 p. (in Italian with English synopsis).
- Caponera, I., Fiori, S., Pucci, R., and Signoretti, E. (2007). The minerals of the Alban Hills. An update on the last ten years of research. *Rivista Mineralogica Italiana*, 31 (2), 74-91 (in Italian with an English summary)
- Carmichael DM (1994) Genesis of grandidierite and kornerupine in metapelites by anatectic dehydration of tourmaline. *Geol Soc Am Abstracts with Programs* 26(7):A-448 to A-449.
- Carmichael DM, Helmstaedt HH, Thomas N (1987) A field trip in the Frontenac Arch with emphasis on stratigraphy, structure and metamorphism. Meeting of Friends of the Grenville.
- Carson CJ, Hand M, Dirks PHGM (1995) Stable coexistence of grandidierite and kornerupine during medium pressure granulite facies metamorphism. *Mineral Mag* 59:327-339.
- Castor, S.B. and Ferdock, G.C. (2004) Minerals of Nevada. Nevada Bureau of Mines and Geology Special Publication 31. University of Nevada Press, Reno & Las Vegas, 512 p.

- Cathro, D.L., Warren, J.K. and Williams, G.E. (1992) Halite saltern in the Canning Basin, Western Australia: a sedimentological analysis of drill core from the Ordovician Silurian–Silurian Mallowa Salt. *Sedimentology*, 39, 983-1002.
- Cavarretta G, Tecce F (1987) Contact metasomatic and hydrothermal minerals in the SH2 Deep Well, Sabatini Volcanic district, Latium, Italy. *Geothermics* 16(2):127-145
- Cempírek, J., Novák, M., Dolníček, Kotková, J. and Škoda, R. (2010) Crystal chemistry and origin of grandierite, omineite, boralsilite, and werdingite from the Bory Granulite Massif, Czech Republic. *American Mineralogist*, 95, 1535-1547.
- Cempírek, J. and Groat, L.A. (2014) Mixed LCT-NYF Rau I pegmatite, Yukon – Example of in situ contamination. *Geological Society of America Abstracts with Programs*. 46(6), 752 (abstract).
- Cempírek, J., Grew, E.S, Kampf, A.R., Ma, C., Novák, M., Gadas, P., Škoda, R., Vašinová-Galiová, M., Pezzotta, F., Groat, L.A. and Krivovichev, S.V. (2016) Vránaite, ideally $\text{Al}_{16}\text{B}_4\text{Si}_4\text{O}_{38}$, a new mineral related to boralsilite, $\text{Al}_{16}\text{B}_6\text{Si}_2\text{O}_{37}$, from the Manjaka pegmatite, Sahatany Valley, Madagascar. *American Mineralogist*, 101, in press.
- Cevallos, P. (2009) Komerupine (prismatine) from Tanzania. *Gems & Gemology*, 45(1), 66-66
- Chakhmouradian A R, Cooper M A, Ball N, Reguir E P, Medici L, Abdu Y A, Antonov A A (2014) Vladykinitite, $\text{Na}_3\text{Sr}_4(\text{Fe}^{2+}\text{Fe}^{3+})\text{Si}_8\text{O}_{24}$: A new complex sheet silicate from peralkaline rocks of the Murun complex, eastern Siberia, Russia. *American Mineralogist* 99, 235-241.
- Chamberlain, S.C., Lupulescu, M. and Rowe, R. (2008) Discovery of fluorine-dominant dravite near Gouverneur, St. Lawrence County, New York. *Rocks & Minerals*, 83, 320-326.
- Chandler, C.D. (1996) The Billie mine, Death Valley, California. *Mineralogical Record*, 27(1), 35-40.
- Chao, G.Y. and Baker, J. (1979) What's new from Mont St. Hilaire Quebec. *Mineralogical Record*: 10(2), 99-101.
- Chao, G.Y. and Watkinson, D.H. (1972) Leucosphenite from Mont St. Hilaire, Quebec. *Canadian Mineralogist*, 11, 851-860.

- Chen, K. (1992) The general characteristics of salt lakes in China. *Quaternary Sciences*, 3(8), 193-202 (in Chinese with English abstract).
- Chen S., Wei J., and Huang K. (1987): The discovery of nordenskiöldine in Jiangsu Province. *Acta Petrologica et Mineralogica* 6(4), 364-367 (in Chinese with English abstract).
- Chen, J., Halls, C. and Stanley, C.J. 1992) Tin-bearing skarns of South China: Geological setting and mineralogy. *Ore Geology Reviews*, 7, 225-248.
- Chesnokov, B.V., Shcherbakova, Y.P., and Nishanbayev, T.P. (2008) Minerals of the burned dumps of the Chelyabinsk coal basin. Russian Academy of Sciences, Urals Division Institute of Mineralogy, Miass, Russia. 139 pages (in Russian).
- Chesterman, C.W. and Bowen, O.E., Jr. (1958) Fluoborite from San Bernardino County, California. *Geological Society of America Bulletin*, 69(12), Part 2, 1678-1679.
- Christophe-Michel-Lévy M, Emberger A, Sandréa A (1959a) Matériaux pour la minéralogie de Madagascar II. La dumortière de Riampotsy. *Bull Soc Franç Minéral Crist* 82:77-79
- Christophe-Michel-Lévy M, Rimsky A, de la Roche H, Sandréa A (1959b) La grandidiérite du nouveau gisement de Sahakondro (Madagascar). *Bull Soc Franç Minéral Crist* 82:xxxix
- Chukanov, N.V. (2014) *Infrared spectra of mineral species: Extended library* (Springer Geochemistry/Mineralogy) 2014th Edition, 2 volumes, Springer, Dordrecht
- Chukanov, N.V. and Allori, R. (2008) Minerals of the cancrinite group from the Sacrofano caldera (Lazio, Italy). *Mineralogical Almanac*, 13c, 20-35 (in Russian)
- Chukanov N V, Pekov I V, Malinko S V, Zadov A E, Dubinchuk V T (2002) Vitimite, $\text{Ca}_6\text{B}_{14}\text{O}_{19}[\text{SO}_4](\text{OH})_{14} \cdot 5\text{H}_2\text{O}$, a new mineral, and conditions of its formation in Solongo Deposit, Buryatia. *Zapiski Vserossijskogo Mineralogicheskogo Obshchestva* 131, issue 4, 41-46 (in Russian with English abstract).
- Chukanov, N.V., Kasatkin, A.V., Zubkova, N.V., Britvin, S.N., Pautov, L.A., Pekov, I.V., Varlamov, D.A., Bychkova, Y.V., Loskutov, A.B. and Novgorodova, E.A (2016) Tatarinovite $\text{Ca}_3\text{Al}(\text{SO}_4)[\text{B}(\text{OH})_4](\text{OH})_6 \cdot 12\text{H}_2\text{O}$ as a new ettringite-group mineral from the Bazhenovskoe Deposit, Central Urals, Russia and its crystal structure. *Geology of Ore Deposits*, 58(8), 41–53.

- Chukhrov, F.V., editor (1981) Minerals Handbook, Volume III, issue 2 Silicates with linear three-membered groups, rings and chains of silicon-oxygen tetrahedra. 616 p. Moscow, Nauka (in Russian).
- Ciriotti, M.E. and Biagioni, C. (2011): Pot-pourri 2011: identificazioni di minerali di interesse. *Micro*, 3/2011, 125-133
- Ciriotti, M.E., Fascio, L., and Pasero, M. (2009) Italian Type Minerals. Pisa, Plus-Pisa University Press, 357 p.
- Ciriotti M.E., Cámara F., Grew E., Sicurella G., Cadoni M. and Bittarello E. (2016): The first discovery of an Italian boroferrite: yuanfuliite of Biancavilla. *Micro*, 14(2), 85-96 (in Italian).
- Claringbull G F, Hey M H (1952) Sinhalite (MgAlBO_4), a new mineral. *Mineralogical Magazine* 29, 841-850.
- Clark, J.R. and Mrose, M.E. (1960) Veatchite and *p*-veatchite. *American Mineralogist*, 45, 1221-1229.
- Clark, J.R., Mrose, M.E., Perloff, A. and Burley, G. (1956) Studies of borate minerals (VI): Investigations of veatchite. *American Mineralogist*, 44, 1141-1149.
- Clark C M, Hawthorne F C, Ottolini L (2011) Fluor-dravite, $\text{NaMg}_3\text{Al}_6\text{Si}_6\text{O}_{18}(\text{BO}_3)_3(\text{OH})_3\text{F}$, a new mineral species of the tourmaline group from the Crabtree Emerald mine, Mitchell County, North Carolina: Description and crystal structure. *The Canadian Mineralogist* 49, 57-62.
- Cooper M, Hawthorne F C, Novák M, Taylor M C (1994) The crystal structure of tusionite, $\text{Mn}^{2+}\text{Sn}^{4+}(\text{BO}_3)_2$, a dolomite-structure borate. *The Canadian Mineralogist* 32, 903-907.
- Cooper, M.A., Hawthorne, F.C. and Grew, E.S. (2009) The crystal chemistry of the kornerupine-prismatine series. I. Crystal structure and site populations. *The Canadian Mineralogist* 47, 233-262.
- Cooper, M.A., Hawthorne, F.C. , García-Veigas, J., Alcobé, X., Helvacı, C., Grew, E.S. and Ball, N.A. (2015) Fontarnauite, $(\text{Na,K})_2(\text{Sr,Ca})(\text{SO}_4)[\text{B}_5\text{O}_8(\text{OH})](\text{H}_2\text{O})_2$, a new sulfate-

- borate from Doğanlar (Emet), Kütahya Province, Western Anatolia, Turkey. *The Canadian Mineralogist*, 53, 803-820.
- Čopjaková, R., Škoda, R., Vašinová Galiová, M. and Novák, M. (2013) Distributions of Y + REE and Sc in tourmaline and their implications for the melt evolution; examples from NYF pegmatites of the Třebíč Pluton, Moldanubian Zone, Czech Republic. *Journal of Geosciences*, 58, 113-131.
- Čopjaková, R., Škoda, R., Vašinová Galiová, M., Novák, M., and Cempírek, J. (2015) Sc- and REE-rich tourmaline replaced by Sc-rich REE-bearing epidote-group mineral from the mixed (NYF+LCT) Kracovice pegmatite (Moldanubian Zone, Czech Republic). *American Mineralogist*, 100, 1434-1451..
- Cortesogno, L., Lucchetti, G. and Penco A. M. (1979): Le mineralizzazioni a manganese nei diaspri delle ofioliti liguri: mineralogia e genesi. *Rendiconti Società Italiana di Mineralogia e Petrologia*, 35(1), 151-197.
- Crowley, J.K. (1996) Mg- and K –bearing borates and associated associated evaporites at Eagle Borax Spring, Death Valley, California: A: Spectroscopic Exploration. *Economic Geology*, 91, 622-635.
- D'Achiardi G (1934) Ginorite, nuovo borato di calcio di Sasso Pisano. *Periodico di Mineralogia* 5, 22-32.
- Damour, A. (1883) Note sur un borate d'alumine cristallisé, de la Sibérie. *Nouvelle espèce minérale. Bulletin de la Société Minéralogique de France*, 6, 20-23.
- Danisi R M, Armbruster T, Libowitzky E, Wang H A O, Günther D, Nagashima M, Reusser E, Bieri W (2015) Perettiite-(Y), $Y^{3+}_2Mn^{2+}_4Fe^{2+}[Si_2B_8O_{24}]$, a new mineral from Momeik, Myanmar. *European Journal of Mineralogy* 27, 793-803.
- Darling, R.S., Florence, F.P.; Lester, G.W., Whitney, P.R. (2004) Petrogenesis of prismatine-bearing metapelitic gneisses along the Moose River, west-central Adirondacks, New York. In Tollo, R.P., Corriveau, L. McLelland, J. and Bartholomew, M.J. (eds) Proterozoic tectonic evolution of the Grenville Orogen in North America. *Geological Society of America Memoir*, 197, 325-336.

- De Ascencao Guedes, R., Tixador, Y., Casteret, A. & Goujou, J.C. (2002) La mine de Coustou, Vielle-Aure, Hautes-Pyrénées. *Le Règne Minéral*, 47, 23-31.
- De Ascencao Guedes, R., Tixador, Y., Casteret, A. and Goujou, J.-C.. (2002) La mine de manganèse de Coustou, Vielle-Aure, Hautes-Pyrénées. *Le Règne Minéral*, 47, 23-31.
- Deer, W.A., Howie, R.A. and Zussman, J. (1986) *Rock-Forming Minerals*, vol. 1B, Disilicates and Ring Silicates, 2nd ed. Longman, London
- de la Roche H (1963) Etude géologique de l'extrême Sud-Est de Madagascar (zone d'intensité métamorphique élevée). *Ann Géol Madagascar* 28:11-87
- Della Ventura, G; Parodi, G; Stoppani, F S. (1986) Minerals of Latium (1). *Rivista Mineralogica Italiana*, 9(4), 157-165 (in Italian with English abstract).
- Della Ventura, G., Parodi, G.C., Mottana, A. and Chaussidon, M. (1993) Peprossiite-(Ce), a new mineral from Campagnano (Italy): the first anhydrous rare-earth-element borate. *European Journal of Mineralogy* 5, 53-58.
- Della Ventura, G., Bonazzi, P., Oberti, R. and Ottolini, L. (2002) Ciprianiite and mottanaite-(Ce), two new minerals of the hellandite group from Latium (Italy). *American Mineralogist* 87, 739-744.
- Della Ventura, G., Bellatreccia, F., Caprilli, E., Rossi, P., Tamagnini, F., Fiori, S. (2004) Dieci anni di micromineralogia laziale. Il Cercapietre. *Notiziario del Gruppo Mineralogico Romano* 2004, 1-2. <http://www.gminromano.it/Cercapietre/rivista04/testo/04A02.html>
- DeMark, R. S. (1984): Minerals of Point of Rocks, New Mexico. *Mineralogical Record*. 15: 150-156.
- DeMark, R.S. (1989) Micromounting in New Mexico. *Mineralogical Record*, 20(1), 57-64.
- DeMark, R.S. (2000) Mines and Minerals of Michigan's Iron Country. *Rocks & Minerals*, 75. 92-101.
- Demartin F, Diella V, Gramaccioli C M, Pezzotta F (2001) Schiavinatoite, (Nb,Ta)BO₄, the Nb analogue of behierite. *European Journal of Mineralogy* 13, 159-165.

- Demirel, S., Göncüoğlu, Topuz, G., and Isik, V. (2009) Geology and chemical variations in tourmaline from the quartz-tourmaline breccias within the Kerkenez granite-monzonite massif, Central Anatolian Crystalline Complex, Turkey. *Canadian Mineralogist*, 47, 787-799.
- de Roever EWF, Kieft C (1976) Grandidierite of contact-metamorphic origin from Maratakka, northwest Surinam. *Am Mineral* 61:332-333
- de Villiers JE (1940) Iron-rich kornerupine from Port Shepstone, Natal. *Mineral Mag* 25:550-556.
- Dibblee, T.W., Jr. (1967) Areal geology of the western Mojave Desert, California. U.S. Professional Paper 522, 1-153.
- Dirlam, D.M., Laurs, B.M., Pezzotta, F., and Simmons, W.B. (2002) Liddicoatite tourmaline from Anjanabonoina, Madagascar. *Gems & Gemology*, 38, 28-53.
- Dissanayake, C. B., Chandrajith, R. and Tobschall, H. J. (2000). The geology, mineralogy and rare element geochemistry of the gem deposits of Sri Lanka. *Bulletin of the Geological Society of Finland*, 72(1-2), 5-20.
- Dixon, A., Cempírek, J, and Groat (2014) Mineralogy and geochemistry of pegmatites on Mount Begbie, British Columbia. *Canadian Mineralogist*, 52, 129-164.
- Dodatko, A.D. (1969) Tourmaline from the weathering crust of ultrabasic rocks of Dneiper Basin. *Mineralogicheskii Sbornik*, 23, 192-195.
- Domeyko, __ (1880) Sur les phosphates et les borophosphates de magnésie et chaux provenant du dépôt de guano de Mejillones (lat. 23° à 24° S.). *Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences*, 90, 544-547.
- Dowty, E. and Clark, J.R. (1973) Crystal-structure refinements for orthorhombic boracite, $Mg_3ClB_7O_{13}$, and a trigonal, iron-rich analogue. *Zeitschrift für Kristallographie*, 128, 64-99.
- Droop GTR (1989) Reaction history of garnet-sapphirine granulites and conditions of Archaean high-pressure granulite-facies metamorphism in the Central Limpopo Mobile Belt, Zimbabwe. *J Metamorphic Geol* 7:383-403.
- Dubru, M. (1986) *Pétrologie et géochimie du marbre à brucite et des borates associés au gisement de tungstène de Costabonne, (Pyrénées orientales, France)*. Ph.D. Thesis, école

- Nationale Supérieure des Saint-étienne (France) et Université Catholique de Louvain, Faculté des Sciences (Belgique), 437 p.
- Dunn, P.J. (1991), Rare minerals of the Kombat Mine, Mineralogical Record: 22(6): 421-425.
- Dunn, P.J. (1995) Franklin and Sterling Hill, New Jersey: the world's most magnificent mineral deposits. The Franklin-Ogdensburg Mineralogical Society, Franklin, N.J.
- Dunn P J, Appleman D E, Nelen J E (1977a) Liddicoatite, a new calcium end-member of the tourmaline group. American Mineralogist 62, 1121-1124
- Dunn P.J., Appleman, D., Nelen, J.A. and Norberg, J. (1977b) Uvite, a new (old) common member of the tourmaline group and its implications for collectors. Mineralogical Record 8(2), 100-108.
- Dunn PJ, Leavens PB, Barnes C (1980) Magnesioaxinite from Luning, Nevada, and some nomenclature designations for the axinite group. Mineralogical Record 11(1):13-15.
- Dunn P J, Peacor D R, Leavens P B, Baum J L (1983) Charlesite, a new mineral of the ettringite group, from Franklin, New Jersey, American Mineralogist 68, 1033-1037.
- Dunn P J, Francis C A, Ramik R A, Nelen J A, Innes J (1989) Wiserite, an occurrence at the Kombat mine in Namibia, and new data. American Mineralogist, 74, 1374-1376.
- Dunn PJ, Peacor DR, Nelen JA, Ramik RA, Innes J (1990) A sakhaite-like mineral from the Kombat Mine in Namibia. Mineral Mag 54:105-108
- Dunning, G.E. and Cooper, J.F. (1986) Mineralogy of the Kalkar quarry, Santa Cruz, California. Mineralogical Record, 17(5), 315-326.
- Duparc L., Wunder M., Sabot R. (1910) Les minéraux des pegmatites.— Les tourmalines. Chapter 11 in Les Minéraux des Pegmatites des Environs d'Antsirabé a Madagascar, Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, Vol. 36, No. 3, pp. 381–401.
- Dusmatov, V.D., Yefimov, A.F. and Semenov, Ye.I.. (1963) First finds of stillwellite in the USSR, Doklady Akademii Nauk SSSR, 153, 913-915.
- Dusmatov V D, Popova, N.A., and Kabanova, L.K. (1967a) On the first find of reedmergnerite in the USSR, Doklady Akademii Nauk Tadzhikskoy SSR 10, 51-53.

- Dusmatov V D, Efimov A F, Alkhazov V Y, Kazakova M E, Mumyatskaya N G (1967b) Tienshanite — a new mineral, Doklady Akademii Nauk SSSR 177, 678-680.
- Dyni, J.R. (1979) Lithologic description of drill core from Sinclair Oil Company Skyline core hole 1, Piceance Creek Basin, Rio Blanco County, Colorado: U.S. Geological Survey Open-File Report 79-1222, 28 p. (not consulted)
- Dzhamaletdinov, N. K. (1973) On a new occurrence of dravite tourmaline mineralization in western Uzbekistan. *Uzbekskiy Geologicheskii Zhurnal*, 4, 50-54 (in Russian).
- Eakle A S (1929) Probertite, a new borate. *American Mineralogist* 14, 427-430.
- Eckel, E.B. (1997) *Minerals of Colorado*. Updated and Revised by Cobban, R.R., Collins, D.S., Foord, E.E., Kile, D.E., Modreski, P.J. and Murphy, J.A. Friends of Mineralogy – Colorado Chapter, Denver, and Fulcrum Publishing, Golden.
- Embrey, P.G. (1962) Cahnite from Capo di Bove, Rome. *Mineralogical Magazine*, 32, 666-668.
- Emiliani, F. and Gandolfi, G. (1965) The accessory minerals from the Predazzo granite (North Italy). Part III (datolite, gadolinite, hellandite, ancylite, synchisite, uraninite). *Mineral. Petrogr Acta*, 11, 123-131
- Engelhardt W, Füchtbauer H, Zemann J (1956) Heidornit $\text{Na}_2\text{Ca}_3[\text{Cl} \cdot (\text{SO}_4)_2 \cdot \text{B}_5\text{O}_8(\text{OH})_2]$ ein neues bormineral aus dem zechsteinanhydrit, *Heidelberger Beiträge zur Mineralogie und Petrographie* 5, 177-186.
- Epprecht W T (1946) Eisen- und Manganhydroxyde, in *Die Eisen- und Manganerze des Gonzen*, Aschmann & Scheller AG., Buchdruckerei zur Froschau (Zürich (Schweiz)) 24-29 .
- Epprecht, W.Th., Schaller, W.T. and Vlisidis, A. (1959) Über Wiserit, Sussexit und ein weiteres Mineral aus den Manganerzen vom Gonzen (bei Sargans). *Schweizerische mineralogische und petrographische Mitteilungen*, 39(1-2), 85-104.
- Ercit, T.S., Groat, L.A., and Gault, R.A. (2003) Granitic pegmatites of the O'Grady Batholith, N.W.T., Canada: A case study of the evolution of the elbaite subtype of rare-element granitic pegmatite. *Canadian Mineralogist*, 41, 117-137.
- Erd R C, McAllister J F, Almond H (1959) Gowerite, a new hydrous calcium borate, from the Death Valley region, California, *American Mineralogist* 44, 911-919.

- Erd R C, McAllister J F, Vlisidis A C (1961a) Nobleite, another new hydrous calcium borate mineral from the Death Valley region, California, *American Mineralogist* 46, 560-571.
- Erd R C, Morgan V, Clark J R (1961b) Tunellite, a new hydrous strontium borate from the Kramer Borate District, California, U.S. Geological Survey Professional Paper 424-C, 294-297.
- Erd R C, McAllister J F, Vlisidis A C (1970) Wardsmithite, $5\text{CaO} \cdot \text{MgO} \cdot 12\text{B}_2\text{O}_3 \cdot 30\text{H}_2\text{O}$, a new borate mineral from the Death Valley region, California, *American Mineralogist* 55, 349-357.
- Erd R C, McAllister J F, Eberlein, G.D. (1979) New data on hungchaoite, the second world occurrence, Death Valley region, California, *American Mineralogist* 64, 369-373.
- Ericksen, G.E. (1981) Geology of the salt deposits and the salt industry of northern Chile. U.S. Geological Survey Professional Paper 1188
- Ertl, A., Schuster, R., Prowatke, S., Brandstätter, F., Ludwig, T., Bernhardt, H.-J., Koller, F. and Hughes, J.M. (2004) Mn-rich tourmaline and fluorapatite in a Variscan pegmatite from Eibenstein an der Thaya, Bohemian massif, Lower Austria. *European Journal of Mineralogy*, 16, 551-560.
- Ertl A, Kolitsch U, Prowatke S, Dyar M D, Henry D J (2006) The F-analogue of schorl from Grassein, Trentino - South Tyrol, Italy: crystal structure and chemistry. *European Journal of Mineralogy* 18, 583-588
- Ertl A, Marschall, H.R., Giester, G., Henry, D.J., Schertl, H.-P., Ntaflos, T., Luvizotto, G.L., Nasdala, L., and Tillmanns, E. (2010) Metamorphic ultrahigh-pressure tourmaline: Structure, chemistry, and correlations to *P-T* conditions. *American Mineralogist*, 95, 1-10.
- Ertl A, Schuster, R. Hughes, J.M., Ludwig, T., Meyer, H.-P., Finger, F., Dyar, M.D., Rutschel, K., Rossman, G.R., Klötzli, U., Brandstätter, Lengauer, C.L., and Tillmanns, E. (2012) Li-bearing tourmalines in Variscan granitic pegmatites from the Moldanubium nappes, Lower Austria. *European Journal of Mineralogy* 24, 695-715
- Ertl A, Kolitsch U, Dyar M D, Meyer H, Rossman G R, Henry D J, Prem M, Ludwig T, Nasdala L, Lengauer C L, Tillmanns E, Niedermayr G (2016a) Fluor-schorl, a new member of the

- tourmaline supergroup, and new data on schorl from the cotype localities. *European Journal of Mineralogy* 28, 163-177.
- Ertl, A., Baksheev, I. A., Giester, G., Lengauer, C.L., Prokofiev, V.Yu. and Zorina, L.D. (2016b). Bosiite, $\text{NaFe}^{3+}_3(\text{Al}_4\text{Mg}_2)(\text{Si}_6\text{O}_{18})(\text{BO}_3)_3(\text{OH})_3\text{O}$, a new ferric member of the tourmaline supergroup from the Darasun gold deposit, Transbaikalia, Russia. *European Journal of Mineralogy*, 28, 581-591.
- Eskola, P. and Juurinen, A. (1952) Fluorborite from Pitkäranta. *Bulletin de la Commission Géologique de Finlande*, 157, 111-114.
- Fahey, J.J. and Axelrod, J.M. (1950) Searlesite from the Green River Formation of Wyoming, with *X*-ray notes. *American Mineralogist*, 35, 1014-1020.
- Falster, A.U. and Simmons, W.B. (2002) A second world location for behierite in Florence County, Wisconsin. *Rocks & Minerals*, 77(3), 170 (abstract).
- Falster, A.U., Simmons, W.B., and Webber, K.L. (1996) The mineralogy and geochemistry of the Animikie Red Ace pegmatite, Florence County, Wisconsin. *Recent Research Developments in Mineralogy*, 1, 7-67.
- Fan D, Yang P, Wang R (1999) Characteristics and origin of the Middle Proterozoic Dongshuichang chambersite deposit, Jixian, Tianjin, China. *Ore Geology Reviews*, 15, 15-29.
- Fantini, C., Tavares, M.C., Krambrock, K., Moreira, R.L. and Righi, A. (2014) Raman and infrared study of hydroxyl sites in natural uvite, fluor-uvite, magnesio-foitite, dravite and elbaite tourmalines. *Physics and Chemistry of Minerals*, 41, 247-254.
- Feit, W. (1889) Ueber Kaliborit, ein neues Borsäure-Mineral. *Chemiker-Zeitung* 73, 1188-1188.
- Finello, G., Ambrino, P., Kolitsch, U., Ciriotti, M.E., Blaß, G., Bracco, R. (2007): I minerali della "Pietra di Luserna", Piemonte, Italia nord-occidentale. I. Alcune cave di gneiss della Val Luserna. *Micro*, 5, 181-226 (in Italian with English abstract).
- Fischbeck, R. (1983); Probertit im Salzstock Gorleben - *Kali und Salz* 8, 384-386.
- Flamini, A. (1966) Sulla composizione chimica della nocerite. *Periodico di Mineralogia*, 35, 205-222.

- Flamini, A. (1968) La fluoborite di Hope. San Bernardino, California. *Periodico di Mineralogia*, 37, 129-138.
- Flégr, T, Novák, M. and Cempírek, J. (2016) New occurrence of bosiite in the Řečice pegmatite, Czech Republic. *New Minerals and Mineralogy in the 21th Century International Scientific Symposium Jáchymov 2016 Book of Abstracts & Field Guidebook*, p. 23-25.
- Fleischer, M. (1965) New Mineral Names: Trigonagneborite (=Macallisterite). *American Mineralogist*, 50, 2110-2111
- Flink G (1901) On the minerals from Narsarsuk on the Firth of Tunugdliarfik in Southern Greenland. 28. Leucosphenite. *Meddelelser om Grønland* 24, 137-146.
- Fonarev VI, Konilov AN, Grafchikov AA, Avakyan KKh (1989) Geological thermometry of metamorphic complexes of the Central-Kola Archean granulite-gneiss region. In: VA Zharikov, VI Fonarev (eds) *The Crystalline Crust in Space and Time. Metamorphic and Hydrothermal Processes*, p 29-44 Nauka, Moscow (in Russian).
- Foord E E, Martin R F, Fitzpatrick J J, Taggart J E, Crock J G (1991) Boromuscovite, a new member of the mica group, from the Little Three mine pegmatite, Ramona district, San Diego County, California, *American Mineralogist* 76, 1998-2002.
- Foshag, W.F. (1922) Calico Hills, San Bernardino County, California. *American Mineralogist*, 7, 208-209.
- Foshag, W.F. (1931) Probertite from Ryan, Inyo County, California. *American Mineralogist*, 16, 338-341.
- Foshag, W.F. (1934) Searlesite from Esmeralda County, Nevada. *American Mineralogist*, 19, 268-274.
- Franz G, Ackermann D, Koch E (1981) Karlite, $Mg_7(BO_3)_3(OH,Cl)_5$ a new borate mineral and associated ludwigite from the Eastern Alps. *American Mineralogist* 66, 872-877
- Friend CRL (1995) Occurrences of boron-free and boron-poor kornepitine. *Mineral Mag* 59:163-166.
- Fronzel C (1961) Two yttrium minerals: spencite and rowlandite, *The Canadian Mineralogist* 6, 576-581.

- Fron del, C. & Ito, J. (1965): Composition of rhodizite. *Tschermaks Mineralogische und Petrographisches Mitteilungen*, 10, 409-412.
- Gadas P., Novák, M., Staněk, J., Filip, J., and Vašinová Galiová, M. (2012) Compositional evolution of zoned tourmaline crystals from pegmatites of the Moldanubian Zone, Czech Republic. *Canadian Mineralogist*, 50, 895-912.
- Gadas P., Novák, M., Cempírek, J., Filip, J., Vašinová Galiová, M., Groat, L.E., and Všianský, D. (2014) Mineral assemblages, compositional variation, and crystal structure of feruvitic tourmaline from a contaminated anatectic pegmatite at Mirošov near Strážek, Moldanubian Zone, Czech Republic. *Canadian Mineralogist*, 52, 285-301.
- Gale, H.S. (1914) Borate deposits in Ventura ounty, California. *U.S. Geological Survey Bulletin*, 540, 434-456.
- Gale, W.A., Foshag, W.F. and Vonsen, M. (1939) Teepleite, a new mineral from Borax Lake, California. *American Mineralogist* 24, 48-52.
- Galliski M A, Cooper M A, Márquez-Zavalía M F, Hawthorne F C (2010) Alfredstelnznerite: A new species of calcium borate hydrate from the Santa Rosa mine, Salta, Northwestern Argentina, *The Canadian Mineralogist* 48, 123-128.
- Galliski, M.A., Márques-Zavalía, M.F., Lira, R., Cempírek, J. and Škoda, R. (2012) Mineralogy and origin of the dumortierite-bearing pegmatites of Virorco, San Luis, Argentina. *The Canadian Mineralogist*, 50, 873-894.
- Galuskina I O, Kadiyski M, Armbruster T, Galuskin E V, Pertsev N N, Dzierzanowski P, Wrzalik R (2008) A new natural phase in the system Mg_2SiO_4 - Mg_2BO_3F - $Mg_2BO_3(OH)$: composition, paragenesis and structure of OH-dominant pertsevite. *European Journal of Mineralogy* 20, 951-964.
- Galuskina I O, Ottolini L, Kadiyski M, Armbruster T, Galuskin E V, Dzierzanowski P, Winiarski A (2010) Pertsevite-(OH), a new mineral in the pertsevite series, $Mg_2(BO_3)_{1-x}(SiO_4)_x(F,OH)_{1-x}$ ($x < 0.5$), from the Snezhnoye deposit in Sakha-Yakutia Republic, Russia. *American Mineralogist* 95, 953-958.

- Gamboni, A. (2003): Cala Francese - La Maddalena (SS). *Micro*, 1, 11-20 (In Italian with English abstract)
- Garcia-Valles, M., Fernandez-Turiel, J.L., Gimeno-Torrente, D., Saavedra-Alonso, J. and Martinez-Manent, S. (2008) Mineralogical characterization of silica sinters from the El Tatio geothermal field, Chile. *American Mineralogist*, 93, 1373-1383.
- García-Veigas, J. and Helvacı (2013) Mineralogy and sedimentology of the Miocene Göcenoluk borate deposit, Kırka district, western Anatolia, Turkey. *Sedimentary Geology*, 290, 85-96.
- García-Veigas, J., Rosell, L., Ortí, F., Gündoğan, İ. and Helvacı, C. (2011) Mineralogy, diagenesis and hydrochemical evolution in a probertite–glauberite–halite saline lake (Miocene, Emet Basin, Turkey). *Chemical Geology* **280**, 352–364.
- García-Veigas, J., Gündoğan, İ., Helvacı, C. and Prats, E. (2013) A genetic model for Na-carbonate precipitation in the Miocene Beypazarı trona deposit, Ankara province, Turkey. *Sedimentary Geology*, 294, 315-327.
- Geijer P (1926) Norbergite and fluoborite, two new minerals from the Norberg mining district. *Geologiska Föreningens i Stockholm Förhandlingar* 48, 84-85.
- Genis, J., Freier, M.D., Green, D.I. and Cotterel, T.F. (2016) Exceptional volkovskite crystals from Zechstein Evaporites at the Boulby Mine, Cleveland, England. *Rocks & Minerals*, 91, 434-441.
- Gherasi, N. (1969) Microfaciesuri, metamorphism termic si metasomatic in bazinul superior al Crisului Negru. D.S. Com. St. Geol. Inst. Geol. 54/3, 23-55 (not consulted).
- Gillson, J.L. and Shannon, E.V. (1925) Szaibelyite from Lincoln County, Nevada. *American Mineralogist*, 10, 137-139.
- Girault JP (1952) Kornerupine from Lac Ste-Marie, Quebec, Canada. *American Mineralogist*, 37, 531-541
- Girgis K, Gübelin E, Weibel M (1976) Vanadiumhaltiger grüner Kornerupin vom Kwale-Distrikt, Kenya. *Schweiz Mineral Petrograph Mitt* 56:65-68.
- Gnos, E. and Armbruster, T. (2006) Relationship among metamorphic grade, vesuvianite rod polytypism, and vesuvianite composition. *American Mineralogist*, 91, 852-870.

- Godlevsky M N (1937) Mineralogical investigation of the Inder borate deposit, Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva 66(2), 315-368 (Russian and English versions).
- Godlevsky M N (1938) Analysis of mineral paragenesis observed at the Inder borate deposit, Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva 67(1), 18-30 (in Russian with English abstract).
- Godlevsky M N (1940) Kurnakovite, a new borate, Comptes Rendus (Doklady) de l'Académie des Sciences de l'URSS 28, 638-640.
- Godlevsky, M N., and Ivanov, A.A. (1941) Lueneburgite from the Stebnik potassium salt deposit. Comptes Rendus (Doklady) de l'Académie des Sciences de l'URSS, 32(5), 351-353.
- Goodman, N.R. (1957) Gypsum in Nova Scotia and its associated minerals. In The Geology of Canadian Industrial Mineral Deposits (M.F. Goudge, V.A. Haw and D.F. Hewitt, eds.). Commonwealth Mining and Metallurgical Congress, 6, 110-114.
- Gorshenin, A. D.; Pertsev, N. N.; Organova, N. I.; Laputina, I. P.; Nikitina, I. B. (1977): Find of monoclinic kurchatovite and cubic harkerite with low silicon content in the Balkhash region. Doklady. Earth Science Sections, October, 1977, Vol. 236, Issue 1-6, pp. 170-173
- Gorshkov G S (1941) A new mineral from the region of Lake Inder, Comptes Rendus (Doklady) de l'Académie des Sciences de l'URSS 33, 254-256.
- Grainger, C.J., Groves, D.I., Tallarico, F.H.B., and Fletcher, I.R. (2008): Metallogenesis of the Carajás Mineral Province, Southern Amazon Craton, Brazil: Varying styles of Archean through Paleoproterozoic to Neoproterozoic base- and precious-metal mineralisation. Ore Geology Reviews 33, 451-489.
- Gramenitsky, Ye.N. (1966) Analysis of Fluoborite Parageneses. Geologiya Rudnykh Mestorozhdeniy, 8 (1), 16-22.
- Grant JA, Frost BR (1990) Contact metamorphism and partial melting of pelitic rocks in the aureole of the Laramie Anorthosite Complex, Morton Pass, Wyoming. Am J Sci 290:425-472

- Green, D.I. and Freier, M.D. (1996) The Boulby Mine, Cleveland, England. *Mineralogical Record*, 27, 163-170..
- Green, D.I. and Freier, M.D. (2010) The Boulby Mine. *Supplement to the Mineralogical Record*, 53-58.
- Greenfield, J.E., Clarke, G.L., White, R.W. (1998): A sequence of partial melting reactions at Mt Stafford, central Australia. *Journal of Metamorphic Geology*, 16, 363-378.
- Grew, E. S., 1982, Sapphirine, kornerupine, and sillimanite + orthopyroxene in the charnockitic region of South India: *Jour. Geol. Soc. India*, v. 23, p. 469-505.
- Grew, E. S., 1983, A grandierite-sapphirine association from India. *Mineralogical Magazine*, 47, 401-403.
- Grew, E.S., 1988, Kornerupine at the Sar-e-Sang, Afghanistan whiteschist locality: Implications for tourmaline-kornerupine distribution in metamorphic rocks. *Amer. Mineral*, v. 73, p. 345-357.
- Grew, E. S. (1996) Borosilicates (exclusive of tourmaline) and Boron in Rock-forming Minerals in Metamorphic Environments. In Grew, E. S. and Anovitz, L. M., eds. *Boron: Mineralogy, Petrology and Geochemistry. Reviews in Mineralogy*, v. 33, p. 387-502. Mineralogical Society of America.
- Grew, E.S., Abraham, K., and Medenbach, O. (1987a) Ti-poor hoegbomite in kornerupine-cordierite-sillimanite rocks from Ellammankovilpatti, Tamil Nadu, India. *Contributions to Mineralogy and Petrology*, 95, 21-31.
- Grew, E.S., Herd, R.K., and Marquez, N., (1987b) Boron-bearing kornerupine from Fiskenaesset, West Greenland: a reexamination of specimens from the type locality. *Mineral. Mag.*, v. 51, p. 695-708.
- Grew, E.S., Yates, M.G., Marquez, N., Beryozkin, V.I. and Kitsul, V.I. (1989) Secondary grandierite in kornerupine-sapphirine rocks of the Aldan Shield. *Doklady. Akademii. Nauk SSSR*, 309, 423-428 (in Russian).

- Grew, E.S., Chernosky, J.V., Werding, G., Abraham, K., Marquez, N., and Hinthorne, J.R., (1990a) Chemistry of kornerupine and associated minerals, a wet chemical, ion microprobe, and x-ray study emphasizing Li, Be, B and F contents. *J. Petrol.*, v. 31; p. 1025-1070.
- Grew, E.S., Yates, M.G. and deLorraine, W. (1990b) Serendibite from the northwest Adirondack Lowlands, in Russell, New York, USA. *Mineral. Mag.*, v. 54, 133-136.
- Grew ES, Litvinenko AK, Pertsev NN (1990c) In search of whiteschists and kornerupine in the southwestern Pamirs, USSR. *Episodes* 13:270-274
- Grew, E.S., Yates, M.G., Beryozkin, V.I. and Kitsul, V.I. (1991a) Kornerupine in the slyudites from the Usmun River Basin in the Aldan Shield. 1. Geology and petrography. *Geologiya i Geofizika*, 1991(5), 78-87 (English translation: *Soviet Geology and Geophysics*, 32(5), 66-74).
- Grew, E.S., Yates, M.G., Beryozkin, V.I. and Kitsul, V.I. (1991b) Kornerupine in the slyudites from the Usmun River Basin in the Aldan Shield. 2. Chemistry of the minerals, mineral reactions. *Geologiya i Geofizika*, 1991(7), 99-116 (English translation: *Soviet Geology and Geophysics*, 32(7), 85-98).
- Grew, E.S., Pertsev, N.N., Boronikhin, V.A., Borisovskiy, S.Ye., Yates, M.G., and Marquez, N., (1991c) Serendibite in the Tayozhnoye deposit of the Aldan Shield, eastern Siberia, USSR. *American Mineralogist*, 76, 1061-1080.
- Grew, E.S., Yates, M.G., Swihart, G.H., Moore, P.B. and Marquez, N. (1991d) The paragenesis of serendibite at Johnsburg, New York, USA: An example of boron enrichment in the granulite facies. In L.L. Perchuk, ed. *Progress in Metamorphic and Magmatic Petrology*, p. 247-285, Cambridge, University Press.
- Grew, E.S., Yates, M.G., Konilov, A. N., and Marquez, N. (1992) Kornerupine from the Archaean Kola Series at Sholt-Yarv, Kola Peninsula, Russia. *Mineral. Mag.*, 56, 247-251.
- Grew, E.S., Hiroi, Y., Motoyoshi, Y., Kondo, Y., Jayatileke, S. J. M., and Marquez, N. (1995) Iron-rich kornerupine in sheared pegmatite from the Wanni Complex, at Homagama, Sri Lanka. *European Journal of Mineralogy*, 7, 623-636.
- Grew E S, Cooper M A, Hawthorne F C (1996) Prismaticine: revalidation for boron-rich compositions in the kornerupine group, *Mineralogical Magazine* 60, 483-491

- Grew, E.S., Yates, M.G., Shearer, C.K., and Wiedenbeck, M. (1997): Werdingite from the Urungwe District, Zimbabwe. *Mineralogical Magazine*, 61, 713-718.
- Grew, E.S., McGee, J.J., Yates, M. G., Peacor, D.R., Rouse, R.C, Huijsmans, J.P.P., Shearer, C.K., Wiedenbeck, M., Thost, D. E., and Su, S.-C. (1998a) Boralsilite ($\text{Al}_{16}\text{B}_6\text{Si}_2\text{O}_{37}$): A new mineral related to sillimanite from pegmatites in granulite-facies rocks. *American Mineralogist*, 83, 638-651
- Grew, E.S., Pertsev, N.N., Vrána, S., Yates, M. G., Shearer, C.K. and Wiedenbeck, M. (1998b) Kornerupine parageneses in whiteschists and other magnesian rocks: is kornerupine + talc a high-pressure assemblage equivalent to tourmaline + orthoamphibole? *Contributions to Mineralogy and Petrology*, 131, 22-38.
- Grew, E.S., Yates, M. G., Huijsmans, J.P.P., McGee, J.J., Shearer, C.K., Wiedenbeck, M., and Rouse, R.C. (1998c) Werdingite, a borosilicate new to granitic pegmatites. *Canad. Mineral.*, 36, 399-414.
- Grew, E.S., Yates, M.G., Adams, P., Kirkby, R., and Wiedenbeck, M. (1999) Harkerite and associated minerals in marble and skarn from the Crestmore Quarry, Riverside County, California and Cascade Slide, Adirondack Mountains, New York. *Canadian Mineralogist*, 37, 277-296.
- Grew, E.S., Rao, A.T., Raju, K.K.V.S., Hejny, C., Moore, J.M., Waters, D.J., Yates, M.G., Shearer, C.K. (2003) Prismatine and ferrohögbomite-2N2S in granulite-facies Fe-oxide lenses in the Eastern Ghats Belt at Venugopalapuram, Vizianagaram district, Andhra Pradesh, India: do such lenses have a tourmaline-enriched lateritic precursor? *Mineralogical Magazine*, 67, 1081-1098.
- Grew, E.S., Graetsch, H., Pöter, B., Yates, M.G., Buick, I., Bernhardt, H.-J., Schreyer, W, Werding, G, Carson, C.J. and Clarke, G.L. (2008) Boralsilite, $\text{Al}_{16}\text{B}_6\text{Si}_2\text{O}_{37}$, and “boron-mullite”: compositional variations and associated phases in experiment and nature. *American Mineralogist*, 93, 283-299.
- Grew, E.S., Armbruster, T., Lazic, B., Yates, M.G., Medenbach, O and Huijsmans, J.P.P. (2011) Werdingite from a pegmatite at Almgjotheii, Rogaland, Norway: the role of iron in a borosilicate with a mullite-type structure. *European Journal of Mineralogy*, 23, 577–589.

- Grew, E.S., Dymek, R.F., De Hoog, J.C.M., Harley, S.L., Boak, J., Hazen, R.M. and Yates, M.G. (2015) Boron isotopes in tourmaline from the ca. 3.7–3.8 Ga Isua supracrustal belt, Greenland: Sources for boron in Eoarchean continental crust and seawater. *Geochimica et Cosmochimica Acta* 163, 156-177.
- Grew, E.S., Krivovichev, S.V., Hazen, R.M. and Hystad, G. (2016) Evolution of structural complexity in boron minerals. *Canadian Mineralogist*, 54, in press.
- Grice, J.D. and Gault, R.A. (1985) Jade, gold and topaz from the Cassiar Mountains, British Columbia/Yukon Territory, Canada. *Rocks and Minerals*, 60(1), 9-13.
- Grice J D, Pring A (2012) Veatchite: structural relationships of the three polytypes. *American Mineralogist* 97, 489-495.
- Grice, J.D. and Robinson, G.W. (1989) Feruvite, a new member of the tourmaline group, and its crystal structure. *The Canadian Mineralogist* 27, 199-203.
- Grice, J.D., Ercit, T.S., Van Velthuizen, J. and Dunn, P.J. (1987) Poudretteite, $\text{KNa}_2\text{B}_3\text{Si}_{12}\text{O}_{30}$, a new member of the osumilite group from Mont Saint-Hilare, Quebec, and its crystal structure. *The Canadian Mineralogist* 25, 763-766.
- Grice J D, Ercit T S, Hawthorne F C (1993) Povondraite, a redefinition of the tourmaline ferridravite. *American Mineralogist* 78, 433-436.
- Grice J D, Gault R A and Van Velthuizen J. (2005) Borate minerals of the Penobsquis and Millstream deposits, southern New Brunswick, Canada. *The Canadian Mineralogist*, 43, 1469-1487.
- Groat L A, Hawthorne F C, Ercit T S (1994) The incorporation of boron into the vesuvianite structure. *The Canadian Mineralogist* 32, 505-523.
- Groat, L.A., Hawthorne, F.C., Lager, G.A., Schultz, A.J. and Ercit, T.S. (1996) X-ray and neutron crystal-structure refinements of a boron-bearing vesuvianite. *The Canadian Mineralogist* 34, 1059-1070.
- Groat, L.A., Hawthorne, F.C., Ercit, T.S. and Grice, J.D. (1998) Wiluite, $\text{Ca}_{19}(\text{Al,Mg,Fe,Ti})_{13}(\text{B,Al},\square)_5\text{Si}_{18}\text{O}_{68}(\text{O,OH})_{10}$, a new mineral species isostructural with

- vesuvianite, from the Sakha Republic, Russian Federation. *The Canadian Mineralogist* 36, 1301-1304.
- Groat L A, Evans R J, Cempírek J, McCammon C, Houzar S (2013) Fe-rich and As-bearing vesuvianite and wiluite from Kozlov, Czech Republic. *American Mineralogist* 98, 1330-1337.
- Grolig, D. (2005): Magnesio-Axinit von Tubusis - ein Erstfund für Namibia. *Mineralien-Welt Magazine*: 16(5), 48-50.
- Gross, S. (1977) The mineralogy of the Hatrurim Formation, Israel. *Geological Survey of Israel Bulletin*, 70, 1-80.
- Gu, X., Ding K. and Xu, Y. (1976) Nanlingite — A new arsenite mineral from southern China. *Geochimica* 2, 107-112
- Gulayev, A.P. (1971) Fluoborite from apodolomitic greisens. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 100, 637-640.
- Haapala I, Siivola J, Ojanperä P, Yletyinen V (1971) Red corundum, sapphirine and kornorupine from Kittilä, Finnish Lapland. *Bull Geol Soc Finland* 43:221-231.
- Haase, J. (1981) A study of grandidierite from an aluminous granulite gneiss near Gananoque, Ontario. Unpub. B.Sc. Thesis, Department of Geological Sciences, Queen's University, Kingston, Ontario, 38 p
- Ham, W.E., Mankin, C.J. and Schleicher, J.A. (1961) Borate minerals in Permian gypsum of west-central Oklahoma. *Oklahoma Geological Survey Bulletin* 92, 77 p.
- Harlow, G.E. and Hawthorne, F.C. (2008) Herderite from Mogok, Myanmar, and comparison with hydroxyl-herderite from Ehrenfriedersdorf, Germany. *American Mineralogist*, 93, 1545-1549.
- Haslam HW (1980) Grandidierite from a metamorphic aureole near Mchinji, Malawi. *Mineral Mag* 43:822-823
- Hawthorne F C, Cooper M A, Taylor M C (1998) Refinement of the crystal structure of tadzhikite. *The Canadian Mineralogist* 36, 817-822.

- Hawthorne F C, Selway J B, Kato A, Matsubara S, Shimizu M, Grice J D, Vajdak J (1999) Magnesiofoitite, $\square(\text{Mg}_2\text{Al})\text{Al}_6(\text{Si}_6\text{O}_{18})(\text{BO}_3)_3(\text{OH})_4$, a new alkali-deficient tourmaline. *Canadian Mineralogist*, 37, 1439-1443.
- Hawthorne, F.C., Pinch, W.W. and Pough, F.H. (2005) Nifontovite from Charcas, San Luis Potosí, Mexico. *Mineralogical Record*, 36 (4), 375–376.
- Hay, R.L. (1964), Phillipsite of saline lakes and soils *American Mineralogist*, 49, 1366-1387.
- Hazarika, P., Mishra, B. and Pruseth, K. L. (2015) Diverse tourmaline compositions from orogenic gold deposits in the Hutti-Maski Greenstone Belt, India: Implications for sources of ore-forming fluids. *Economic Geology*, 110, 337-353.
- Heide, F. (1965) On the regional and vertical distribution of boron minerals in the Zechstein salt deposits of the Staßfurt-, Leine-, and Aller-cycles in central and northern Germany. *In* Problemy Geokhimii, Yubileyny Sbornik. Akademii Nauk SSSR, Institut Geokhimii i Analiticheskoy Khimii imeni V.I. Vernadskogo. Nauka, Moscow, p. 673-684 (in Russian).
- Heide, F. and Bader, E. (1964): Boracit und Lüneburgit im Werra-Kaligebiet. *Chemie der Erde Beiträge zur Chemischen Mineralogie, Petrographie und Geologie*, 23, 219-221.
- Heide, K. and Völksch, G. (1979) Rasterelektronenmikroskopische Untersuchungen zur Morphologie von Boracit, Ascharit und Sulfoborit aus den Zechsteinlagerstätten der DDR. *Chemie der Erde*, 38, 223-232.
- Heide, K., Franke, H. and Brückner, H.-P. (1980) Vorkommen und Eigenschaften von Boracit in den Zechsteinsalzlagerstätten der DDR. *Chemie der Erde*, 39, 201-232.
- Heikkilä, P. (2003) Geology and Mineralogy of the Metacherts of the Vittinki-group, South Ostrobothnia. Unpublished Master's thesis (in Finnish), University of Helsinki, Department of Geology. 142 p.
- Heinrich, E.W. and Robinson, G.W. (2004) The Mineralogy of Michigan. Houghton, Michigan: A.E. Seaman Mineral Museum, Michigan Technological University, 252 p.
- Heller L, Taylor H F W (1956) Crystallographic data for the calcium silicates. IV. The 10 Å hydrate. H.M. Stationary Office, London 1956, 37-38

- Helmers H, Lustenhouwer WJ (1988) Grandidierite from the Comrie aureole. *Scot J Geol* 24(3):245-248
- Helvacı, C. (1978) A review of the mineralogy of the Turkish borate deposits. *Mercian Geology* 6(4), 257-270.
- Helvacı, C. (1984) Occurrence of rare borate minerals; veatchite-A, tunellite, teruggite and cahnite in the Emet borate deposits, Turkey. *Mineralium Deposita*, 19(3), 217-226.
- Helvacı, C. (1994) Mineral assemblages and formation of the Kestelek and Sultançayırı borate deposits. *Proceedings of the 29th International Geological Congress, Part A*, p. 245-264.
- Helvacı, C. (1995) Stratigraphy, mineralogy, and genesis of the Bigadiç borate deposits, western Turkey. *Economic Geology*, 90, 1237-1260.
- Helvacı, C. and Alonso, R.N. (2000) Borate deposits of Turkey and Argentina; a summary and geological comparison. *Turkish Journal Earth Sciences*, 9, 1–27.
- Helvacı, C. and Firman, R.J. (1976) Geological setting and mineralogy of Emet borate deposits, Turkey. *Institution of Mining and Metallurgy Transactions Section B, Applied Earth Science*, 85, 142-152.
- Helvacı, C., Mordogan, H., Çolak, M. and Gündogan, I. (2004) Presence and distribution of lithium in borate deposits and some recent lake waters of West-Central Turkey. *International Geology Review*, 46(2), 177-190.
- Henn, U. (1985) Untersuchungen an Kornerupin und Sinhalit von Elahera, Sri Lanka. *Zeitschrift der Deutsche Gemmologische Gesellschaft*, 34(1/2), 13-19.
- Henry, D.J. and Dutrow, B.L. (2012) Tourmaline at diagenetic to low-grade metamorphic conditions: Its petrologic applicability. *Lithos*, 154, 16-32.
- Hentschel G (1986) Neue Mineralfunde aus quartären Vulkanvorkommen der Eifel. *Mainzer Geowissensch Mitt* 15:215-218
- Herd RK (1973) Sapphirine and kornerupine occurrences within the Fiskenæsset complex. *Grønlands Geologisk Undersøgelse Rapport*, 51, 65-71
- Herd RK, Windley BF, Ackermans D (1984) Grandidierite from a pelitic xenolith in the Haddo House complex, NE Scotland. *Mineral Mag* 48:401-406

- Hey, M.H. and Bannister, F.A. (1952) The identity of cryptomorphite and ginorite. *Mineralogical Magazine*, 29, 955-959.
- Hey MH, Anderson BW. Payne CJ (1941) Some new data concerning kornerupine and its chemistry. *Mineral Mag* 26:119-130
- Higgins JB, Ribbe PH, Herd RK (1979) Sapphirine 1. Crystal chemical contributions. *Contrib Mineral Petrol* 68:349-356.
- Hiroi Y, Asami M, Cooray PG, Fernando MRD, Jayatileke JMS, Kagami H, Mathavan V, Matsueda H, Motoyoshi Y, Ogo Y, Osanai Y, Owada M, Perera LRK, Prame KBN, Ranasinghe NS, Shiraishi K, Vitanage PW, Yoshida M (1990) Arrested charnockite formation in Sri Lanka: Field and petrographical evidence for low-pressure conditions. *Proc NIPR Symp Antarctic Geosciences* 4:213-230.
- Hiroi Y, Grew E S, Motoyoshi Y, Peacor D R, Rouse R C, Matsubara S, Yokoyama K, Miyawaki R, McGee J J, Su S, Hokada T, Furukawa N, Shibasaki H (2001) Ominelite, $(\text{Fe,Mg})\text{Al}_3\text{BSiO}_9$ (Fe^{2+} analogue of grandidierite), a new mineral from porphyritic granite in Japan. *American Mineralogist* 87, 160-170.
- Hirtopanu, P. (2004): The mineral genesis in the manganiferous belt from Bistritei Mountains. Cartea Universitara Ed., 352 pp. (in Romanian; not consulted)
- Hirtopanu, P., Udubaşa, G. and Scott, P. (2003): Minerals of the metamorphosed Mn-Fe deposits in Romania: old deposits, new species. *Acta Mineralogica-Petrographica, Abstracts Series 1*, Szeged 2003, p. 44.
- Hirtopanu P., Andersen C. J., Fairhurst J. R. and Gyula, J. (2013) Allanite-(Ce) and its associations, from the Ditrau alkaline intrusive massif, East Carpathians, Romanian. *Proceedings of the Romanian Academy, Series B, Chemistry, Life Sciences, and Geosciences*, 15(1), 59–74
- Hlawatsch, K. (1918): Über ein Vorkommen von Grandidierit bei Helpa im Komitat Gömör. *Föld. Közlöny*, 48, 266-267 (in Hungarian), 329-330 (in English).
- Hlava P.F. (2001) *Gem News International*: A bismuth-bearing liddicoatite from Nigeria. *Gems & Gemology*, 37(2), 152–153.

- Hoffmann, C. and Armbruster, T. (1995) Crystal structure of a (001) twinned sussexite $\text{Mn}_2\text{B}_2\text{O}_4(\text{OH})_2$ from the Kalahari Manganese Field South Africa. *Schweizerische Mineralogische und Petrographische Mitteilungen*, 75(1), 123-133.
- Hogarth D D, Chao G Y, Harris D C (1972) New data on hellandite. *The Canadian Mineralogist* 11, 760-776..
- Hogarth, D.D., Steacy, H.R., Semenov, E.I., Proshchenko, E.G., Kazakova, M.E., and Kataeva, Z.T. (1973) New occurrences and data for spencite. *Canadian Mineralogist*, 12, 66-71.
- Holgate, N. (1977) Tourmaline from amphibolized gabbro at Hanter Hill, Radnorshire. *Mineralogical Magazine*, 41, 124-127.
- Holtstam D, Langhof J (1995) Metamorphic harkerite from Nordmarks odalfält, Värmland, Sweden. *Geol Fören Stockholm Förhand* 117:151-152
- Hölttä, P. and Paavola, J. (1988) Kornerupine-bearing granulites and evidence of uplift in the Archean Varpaisjärvi area, central Finland. *Geological Survey of Finland, Special Paper* 10:11-17
- Honea R M, Beck F R (1962) Chambersite, a new mineral, *American Mineralogist* 47, 665-671.
- Hori, H. (1974) Study on minute minerals from Naegi area. Annual meeting of Sanko-Gakkai at Yamaguchi University, Ube, Yamaguchi Prefecture in memory of Dr. Kin-ichi Sakurai (abstract in Japanese).
- Horváth, L and Gault, R.A. (1990) The mineralogy of Mont Saint-Hilaire Quebec. *Mineralogical Record*, 21, 284-359.
- Houzar, S. and Hrazdil, V. (2009) Nordenskiöldine CaSnB_2O_6 from the locality Kozlov near Nedvědice, new rare accessory mineral for Nedvědice marbles. *Acta Musei Moraviae - Scientiae Geologicae*, 98, 61-66 (in Czech with abstract in English)
- Hu, G.Y, Fan, C.F., Li, Y.H., Hou, K.J., Liu, Y. and Wang, T.H. (2014) Zircon U-Pb dating of migmatitic granites of Ming'an Mg-borate deposit in Kuandian area, eastern Liaoning Province, and its constrains [sic] on mineralization age. *Mineral Deposits* 33(2), 397-405 (in Chinese with English abstract).

- Hu, G., Li, Y., Fan, C., Hou, K., Zhao, Y., and Zeng, L. (2015) In situ LA–MC–ICP–MS boron isotope and zircon U–Pb age determinations of Paleoproterozoic borate deposits in Liaoning Province, northeastern China. *Ore Geology Reviews*, 65, 1127-1141.
- Huang, W. T. (1958) Occurrences of boron minerals in the Wichita Mountains, Oklahoma. *The Texas Journal of Science*, 10(2), 231-235.
- Huang, Z. and Mo, M. (1996) Mineralogy of sinhalite from the Huayuangou boron deposit and its geological implication. *Acta Petrologica et Mineralogica*, 15(2), 180-185 (in Chinese with English abstract).
- Huang Z, Wang P (1994) Yuanfuliite - a new borate mineral. *Acta Petrographica et Mineralogica (China)* 13, 328-334
- Huang, Y., Du, S., and Zhou, X. (1988) Hsianghualing rocks, mineral deposits and minerals. Beijing Science and Technology Publishing Bureau, Beijing (in Chinese with English summary).
- Huijsmans, J.P.P. (1981) A grandidierite-bearing pegmatite from the Almgjotheii, Rogaland, SW Norway, 38 p. M.S. thesis (Petrology) Institute of Earth Sciences, State University of Utrecht, The Netherlands (in Dutch).
- Huijsmans, J.P.P., Barton, M., and van Bergen, M.J. (1982) A pegmatite containing Fe-rich grandidierite, Ti-rich dumortierite and tourmaline from the Precambrian, high-grade metamorphic complex of Rogaland, S.W. Norway. *Neues Jahrbuch für Mineralogie Abhandlungen*, 143, 249–261.
- Hulzebos-Sijen NMPE, Visser D, Maarschalkerweerd MH, Maijer C (1990) Two new kornepine-localities in the Bamble sector, south Norway. *Geol Soc Norway Geonyst Abstracts with Programs* 17.1:58.
- Huraiová, M. and Konečný, P. (2006) U-Pb-Th dating and chemical composition of monazite from syenite and pincinite xenoliths from the Late Miocene maar near Pinciná village (the Lučenec Basin). *Mineralia Slovaca*, 38, 141-150 (in Slovakian with English abstract).
- Hurlbut C S, Aristarain L F (1967) Rivadavite, $\text{Na}_6\text{MgB}_{24}\text{O}_{40} \cdot 22\text{H}_2\text{O}$, a new borate from Argentina. *American Mineralogist* 52, 326-335.

- Hurlbut C S, Erd R C (1974) Aristarainite, $\text{Na}_2\text{O} \cdot \text{MgO} \cdot 6\text{B}_2\text{O}_3 \cdot 10\text{H}_2\text{O}$, a new mineral from Salta, Argentina, *American Mineralogist* 59, 647-651.
- Hurlbut, C. S., Jr. and Taylor, R. E. (1937): Hilgardite, a new mineral species from the Choctaw Salt Dome, Louisiana. *American Mineralogist*. 22, 1052-1057
- Hurlbut C S, Aristarain, L.F., and Erd R C (1973) Kernite from Tincalayu, Salta, Argentina. *American Mineralogist* 58, 308-313.
- Husdal, T. (2008) The minerals of the pegmatites within the Tysfjord granite, northern Norway. *Norsk Bergverksmuseum Skrift*, 38, 5-28 (in Norwegian; English translation available).
- Husdal, T. (2011) Pegmatites of the Tysfjord granite. *Stein*, 38, 4–35 (in Norwegian).
- Hutcheon I, Gunter A E, Lecheminant A N (1977) Serendibite from Penrhyn Group marble, Melville Peninsula, District of Franklin. *The Canadian Mineralogist* 15, 108-112.
- Ikornikova, N.J. (1941) Meyerhofferite and inyoite crystals of acicular habit from the Inder deposit. *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva*, 70(2), 154-157 (in Russian with English summary).
- Inan, K., Dunham, A.C., and Esson, J. (1973) Mineralogy, chemistry and origin of Kirka borate deposit, Eskishehir Province, Turkey. *Institution of Mining and Metallurgy Transactions, Section B, Applied Earth Science*, 82, 114-123.
- Innes, J. and Chaplin, R.C. (1986) Ore bodies of the Kombat mine, South West Africa/Namibia. In Anhaeusser, C.R. and Maske, S. (eds.) *Mineral Deposits of Southern Africa*, vols. I & II. Geological Society of South Africa, Johannesburg, p. 1789-1805.
- Jaffe H W, Molinski V J (1962) Spencite, the yttrium analogue of tritomite from Sussex County, New Jersey, *American Mineralogist* 47, 9-25.
- Jakob, J. (1923) Mitteilungen aus dem mineralchemischen Laboratorium der Eidgen. Techn. Hochschule, Zürich. Vier Mangansilicate aus dem Val d'Err (Kt. Graubünden).. *Schweizerische Mineralogische und Petrographische Mitteilungen*, 3, 227-236.
- Jakob, J. (1938) Der Turmalin von Karharia stream, Kodarma, Britisch Indien. *Schweizerische Mineralogische und Petrographische Mitteilungen*, 18, 605-606..

- James, H.L., Dutton, C.E., Pettijohn, F.J. and Wier, K.L. (1968) *Geology and Ore Deposits of the Iron River-Crystal Falls District, Iron County Michigan*. U. S. Geological Survey Professional Paper 570, 134 p.
- Jannasch P. (1884) *Zur Kenntniss der Zusammensetzung des Vesuvians*. Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie, 1884, 269-270.
- Jiang J, Guan Y, Wang G, Fan G, (1992) Characteristics and origin of kornerupine in the khondalite series of the Mashan Group. *Acta Mineralogica Sinica*, 12(2):165-171 (in Chinese with English abstract)
- Jiang, C., Zheng, M., Wang, P. Qian, Y., and Liao, D. (1996a) Chapter 21. Boron Deposits of China. In Editorial Committee of the Mineral Deposits of China, *Mineral Deposits of China*, Volume 5, p. 1-51. Geological Publishing, Beijing, China.
- Jiang, S.-Y., Palmer, M. R.; McDonald, A. M.; Slack, J. F.; Leitch, C. H. B. (1996b) Feruvite from the Sullivan Pb-Zn-Ag deposit, British Columbia. *Canadian Mineralogist*, 34, 733-740.
- Jiang, S.-Y., Palmer, M. R., and Slack, J. F. (1997) Alkali-deficient tourmaline from the Sullivan Pb-Zn-Ag deposit, British Columbia. *Mineralogical Magazine*, 61, 853-860.
- Jobbins E A, Tresham A E, Young B R (1975) Magnesioaxinite, a new mineral found as a blue gemstone from Tanzania, *The Journal of Gemmology* 14, 368-375.
- Johnston, R.W. and Tilley, C.E. (1940) On fluoborite from Selibin, Malaya. *Geological Magazine*, 77, 141-144.
- Joksimović, D., Aničić, S., Stefanovska, D., Seke, L. (1995): Potential from mineral sources of Neogene basin Jarandol. *Geology and Metallogeny of the Kopaonik Mt.*, Proceedings, 350-368 (not consulted).
- Jonsson E (1996) The first occurrence of a kornerupine-group mineral in Sweden: Prismatine from Stakholmen, Hälsingland. *GFF (Geologiska Föreningens i Stockholm Förhandlingar)* 118 (Jubilee Issue):A52-A53.
- Jouravsky G, Permingeat F (1964) La gaudefroyite, une nouvelle espèce minérale, *Bulletin de la Société Française de Minéralogie et de Cristallographie* 87, 216-229.

- Junker, R. and Lüders, V. (2013) Hydroboracit, Priceit, Strontioginorit, Tuzlait... Weltklasse-Borate aus dem Anhydrit-Steinbruch Kohnstein, Südharzrand. *Mineralien-Welt*, 24(4), 52-69.
- Kalyuzhnyy, V.A. (1958) Study of the composition of “daughter” minerals of multiphase inclusions. *Mineralogicheskiiy Sbornik L’vovskogo Geologicheskogo Obshchestva*, 12, 116-128 (in Russian).
- Karanović, L., Rosić, A. and Poleti, D. (2004) Crystal structure of nobleite, $\text{Ca}[\text{B}_6\text{O}_9(\text{OH})_2] \cdot 3\text{H}_2\text{O}$, from Jarandol (Serbia). *European Journal of Mineralogy*, 16, 825-833.
- Kumbasar, I. (1979) Veatchite-A, a new modification of veatchite. *American Mineralogist*, 64, 362–366.
- Kampf A R, Peterson R C, Joy B R (2014) Itsiite, $\text{Ba}_2\text{Ca}(\text{BSi}_2\text{O}_7)_2$, a new mineral species from Yukon, Canada: Description and crystal structure. *The Canadian Mineralogist* 52, 401-407.
- Kanishchev, A.D. (1966) A find of fluorborite and ludwigite in central Transbaikalia. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 95(2), 222-224 (in Russian).
- Kanishchev, A.D. and Pertsev, N.N. (1969) Ore mineralization with kotoite and aluminoludwigite in the Korotkovskiy skarn deposit. *Geologiya Rudnykh Mestorozdeniy*, 1969(2), 42-52 (in Russian).
- Kapustin, Yu.L. (1982) On the find of leucospheinite in Khibiny. *Novyye Dannyye o Mineralakh*, 30, 189-191.
- Karanović, L., Rosić, A. and Poleti, D. (2004) Crystal structure of nobleite, $\text{Ca}[\text{B}_6\text{O}_9(\text{OH})_2] \cdot 3\text{H}_2\text{O}$, from Jarandol (Serbia). *European Journal of Mineralogy*, 16, 825-833.
- Karsten D L G (1800) Anmerkungen, in *Mineralogische Tabellen*, Heinrich August Rottmann (Berlin), p. 75.
- Karup-Møller, S. (1975) Contribution to the mineralogy of Ilímaussaq no. 37. On the occurrence of the native lead, litharge, hydrocerussite and platterite within the Ilímaussaq alkaline intrusion in South Greenland. *Neues Jahrbuch für Mineralogie Monatshefte*, 1975, 229-241.

- Kato, A. and Matsubara, S. (1980) Manganese borate minerals from Japan. *Journal of the Mineralogical Society of Japan*, 14 (Special issue No. 3), 86-97 (in Japanese with abstract in English).
- Kawakami, T., Grew, E.S., Motoyoshi, Y., Shearer, C. K., Ikeda, T., Burger, P.V. and Kusachi, I. (2008) Kornerupine *sensu stricto* associated with mafic and ultramafic rocks in the Lützow-Holm Complex at Akarui Point, East Antarctica: what is the source of boron? In: M. Satish-Kumar, Y. Motoyoshi, Y. Osanai, Y. Hiroi and K. Shiraishi (eds) 'Geodynamic evolution of East Antarctica: A key to the East-West Gondwana connection', Geological Society of London Special Publication, 308, 351-375.
- Kayupova, M. M. (1961) Manganese silicates from the Dzhumart and Kamys deposits in Central Kazakhstan. *Izvestiya Akademii Nauk Kazakhskoy SSSR, Seriya Geologicheskaya*, 2, 45-69.
- Kearns, L.E. (1975) Fluoborite, a new locality. *Mineralogical Record*, 6(4), 174-175.
- Kearns, L.E. and Martin, B.S. (2004) New discoveries from the Morefield pegmatite, Amelia, Virginia. *Rocks & Minerals* 79(4), p 256 (abstract).
- Kelly, N.M. and Harley, S.L. (2004) Orthopyroxene–corundum in Mg–Al-rich granulites from the Oygarden Islands, East Antarctica. *Journal of Petrology*, 45, 1481–1512.
- Kemp, S.J., Smith, F.W., Wagner, D., Mounteney, I., Bell, Milne, C.J.B., Gowing, C.J.B., Pottas, T.L. (2016) An improved approach to characterize potash-bearing evaporite deposits, evidenced in North Yorkshire, United Kingdom. *Economic Geology*, 111, 719-742.
- Khomyakov, A.P. and Rogachev, D.L. (1991) Searlesite and reedmergnerite from Lovozero alkaline massif. *Izvestiya Akademii Nauk SSSR. Seriya Geologicheskaya*, 1991 (11), 149-152 (in Russian).
- Kitsul, V.I., Brovkin, A.A., Lutts, B.G., Parinova, Z.F., Kuznetsova, I.K. (1972) A find of kornerupine in the Aldan shield. *Doklady Akademii Nauk SSSR* 206(5):1190-1193 (in Russian)
- Klemic, H. and Loferski, P. J. (1979) Rare earth borosilicate in magnetite ore. In *Geological Survey Research 1979*, U. S. Geological Survey Professional Paper 1150, p. 8.

- Kleyenstüber, A.S.E, (1985) A regional mineral study of the manganese-bearing Voëlwater Subgroup in the Northern Cape Province. Unpublished Ph.D. thesis, Rand Afrikaans University, Johannesburg, 328 p. (not consulted).
- Knopf A, Schaller W T (1908) Two new boron minerals of contact-metamorphic origin. American Journal of Science 175, 323-331.
- Kobayashi, S., Ando, T., Kanayama, A., Tanabe, M., Kishi, S. and Kusachi, I. (2014) Calciborite from the Fuka mine, Okayama Prefecture, Japan. Journal of Mineralogical and Petrological Sciences, 109, 13-17.
- Kolitsch, U., Husdal, T.A., Brandstätter, F. and Ertl, A. (2011): New crystal-chemical data for members of the tourmaline group from Norway: occurrences of fluor-schorl and luinaite-(OH). Norsk Bergverksmuseum Skrift 46, 17-24.
- Kolitsch, U., Andresen, P., Husdal, T.A., Ertl, A., Haugen, A., Ellingsen, H.V., Larsen, A.O. (2013) Tourmaline-group minerals from Norway, part II: Occurrences of luinaite-(OH) in Tvedalen, Larvik and Porsgrunn, and fluor-liddicoatite, fluor-elbaite and fluor-schorl at Ågskardet, Nordland. Norsk Bergverksmuseum Skrift 50, 23-41.
- Kondrat'yeva, V.V. (1964a) X-ray diffraction investigation of several minerals of the hilgardite group. Rentgenografiya Mineral'nogo Syr'ya, 1964(4), 10-17 (in Russian)
- Kondrat'yeva, V.V. (1964b) X-ray study of p-veatchite from halogen rocks. In Rentgenografiya Mineral'nogo Syr'ya, 1964(4), 19-24 (in Russian).
- Kondrat'eva V V, Ostrovskaya I V, Yarzhemskii Y Y (1966) A new hydrous calcium borate, volkovskite, Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva , 95, 45-50.
- Konev A A, Lesedeva V S, Kashaev A A, Ushchapovskaya Z F (1970) Azoproite, a new mineral of the ludwigite group, Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 99(2), 225-231 (in Russian)
- Koneva AA, Ushchapovskaya ZF (1991) Harkerite and bultfonteinite from skarns of the Tazheran Alkali Massif. Geologiya i Geofizika 1991(2):74-78 (in Russian)
- Konnert J A, Evans H T, McGee J J, Ericksen G E (1994) Mineralogical studies of the nitrate deposits of Chile: VII. two new saline minerals with the composition

- $K_6(Na,K)_4Na_6Mg_{10}(XO_4)_{12}(IO_3)_{12} \cdot 12H_2O$: fuenzalidaite ($X = S$) and carlosruizite ($X = Se$), American Mineralogist 79, 1003-1008.
- Konovalenko, S I; Rossovskiy, L N; Anan'yev, S A. (1983) Jeremejevite – a new discovery of the mineral in Russia. Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva, 117, 212-217 (in Russian).
- Konovalenko, S.I., Voloshin, A.V., Pakhomovskii, Y.A., Anen'yev, S.S., Perlina, G.A., Rogachev, D.L, Kuznetsov V Y (1984) Tusionite, $MnSn(BO_3)_2$, a new borate from granite pegmatite of southwestern Pamir. International Geology Review, 26, 481-485.
- Korhonen, F.J. and Stout, J.H. (2005) Borosilicate- and phengite-bearing veins from the Grenville Province of Labrador: evidence for rapid uplift. Journal of Metamorphic Geology, 23, 297-311
- Kornetova, V.A. (1975) On the classification of tourmaline group minerals. Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva, 104(3), 332-336 (in Russian).
- Kramer, H. and Allen, R.D. (1956) A restudy of bakerite, priceite, and veatchite. American Mineralogist, 41, 689–700.
- Kraus E H, Seaman W A, Slawson C B (1930) Seamanite, a new manganese phosphoborate from Iron County, Michigan, American Mineralogist 15, 220-225
- Krogh EJ (1975) The first occurrence of grandidierite in Norway. Norsk Geol Tidsskrift 55:77-80.
- Kuehn, R and Hsü, K J. (1978) Chemistry of halite and potash salt cores, DSDP sites 374 and 376, Leg 42A, Mediterranean Sea. Initial Reports of the Deep Sea Drilling Project 42, Part 1, 613-619..
- Kühn, R. (1972) Salzmineralien aus niedersächsischen Lagerstätten. Berichte der Naturhistorischen Gesellschaft Hannover, 116, 115-142.
- Kühn, R. and Schaacke, I. (1955) Vorkommen und Analyse der Boracit- und Ericaitkristalle aus dem Salzhorst von Wathlingen-Hänigen. Kali und Steinsalz, 11, 33-42.
- Kühn R, Roese K L, Gaertner H (1962) Fabianit $CaB_3O_5(OH)$, ein neues mineral. Kali und Steinsalz 3, 285-290.

- Kumbasar, I. (1979) Veatchite-A, a new modification of veatchite. *American Mineralogist*, 64, 362-366.
- Kurman, I.M. (1958) Liineburgite from the Kerch Peninsula. *Trudy Gosudarstvennogo Nauchno-Issledovatel'skogo Instituta Gorno-Khimicheskogo Syr'ya (GIGKhS)*, 4, 114-117 (in Russian).
- Kuryleva NA (1960) Prismaticine from the Bug River region. *Zapiski Vsesoyuz Mineral Obshchestva* 89(6):711-713 (in Russian)
- Kusachi, I. and Henmi, C. (1994) Nifontovite and olshanskyite from Fuka, Okayama Prefecture, Japan. *Mineralogical Magazine*, 58, 279-284.
- Kusachi I, Henmi C, Henmi K (1980) 10 Å tobermorite from Fuka, the town of Bitchu, Okayama Prefecture. *Journal of the Mineralogical Society of Japan* 14, 314-32 (in Japanese).
- Kusachi I, Henmi C, Henmi K (1981) New mineral oyelite. *Mineralogical Society of Japan, 1981 Annual Meeting Abstracts*, p. 132 (in Japanese)
- Kusachi I, Henmi C, Henmi K (1984) An oyelite-bearing vein at Fuka, the town of Bitchu, Okayama Prefecture. *Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists* 79, 267-275
- Kusachi, I., Henmi, C., and Kobayashi, S. (1995a) Frolovite from Fuka, Okayama Prefecture, Japan. *Mineralogical Journal*, 17, 330-337.
- Kusachi I, Henmi C, Kobayashi S (1995b) Takedaite, a new mineral from Fuka, Okayama Prefecture, Japan, *Mineralogical Magazine* 59, 549-552
- Kusachi, I., Henmi, C. and Kobayashi, S. (1997a) Sibirskite from Fuka, Okayama Prefecture, Japan. *Mineralogical Journal*, 19, 109-114.
- Kusachi, I., Takechi, Y, Henmi, C. and Kobayashi, S. (1997b) Borcarite from Fuka, Okayama Prefecture, Japan. *Mineralogical Journal*, 19(3), 115-122.
- Kusachi, I., Takechi, Y., Kobayashi, S., Yamakawa, J., Nakamuta, Y., Lee, K.-H. and Motomizu, S. (1999) Hexahydroborite from Fuka, Okayama Prefecture, Japan. *Mineralogical Journal*, 21(1), 9-14.

- Kusachi, I., Shiraga, K., Kobayashi, S., Yamakawa, J. and Takechi, Y. (2000) Uralborite from Fuka, Okayama Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, 95, 43-47.
- Kusachi, I., Kobayashi, S., Tanabe, M., Kishi, S., and Yamakawa, J. (2004) Inyoite from Fuka, Okayama Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, 99(2), 67-71
- Kusachi, I., Shiraishi, N., Shimada, K., Ohnishi, M. and Kobayashi, S. (2008) CO₃-rich charlesite from the Fuka mine, Okayama Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, 103, 47-51.
- Kutniy, V A; Naumenko, P I; Sobolevskiy, Yu V. (1971) Some epigenic minerals in the Novoselovskoye iron ore deposit. In *Litologo-fatsial'nyy analiz osadochnykh rudonosnykh formatsiy, Al-Fe-Mn, USSR (SUN): Akademii Nauk SSSR, Komitet po Osadochnym Porodam, Leningrad, p. 64-65/*
- Kwak, T.A.P. (1987) W-Sn skarn deposits and related metamorphic skarns and granitoids. Elsevier. Amsterdam, 451 pp.
- Kwak, T.A.P. and Nicholson, M. (1988) Szaibelyite and fluoborite from the St Dizier Sn-borate skarn deposit, NW Tasmania, Australia. *Mineralogical Magazine*, 52, 713-716.
- Lacroix A (1904) Sur la grandidiérite. *Bull Soc Franç Minéral* 27:259-265.
- Lacroix A (1912) Sur une nouvelle espèce minérale (manandonite) des pegmatites de Madagascar, *Bulletin de la Société Française de Minéralogie* 35, 223-226
- Lacroix A (1922) *Minéralogie de Madagascar*, vol 1 and 2. Challamel, Paris
- Lacroix A (1939) Observations sur quelques minéraux de Madagascar. 1.-Nouvelle variété de kornérupine trouvée dans une gangue de cordiérite. *Bull Soc franç Minéral* 62:300-304.
- Lacroix A, de Gramont A (1919) Sur la présence du bore dans quelques silico-aluminates basiques naturels. *Comptes Rendus Acad Sci Paris* 168:857-861.
- Lal RK, Ackermant D, Seifert F, Haldar SK (1978) Chemographic relationships in sapphirine-bearing rocks from Sonapahar, Assam, India. *Contrib Mineral Petrol* 67:169-187

- Larsen, A.O., editor (2010) *The Langesundfjord. History · Geology · Pegmatites · Minerals*. Bode Verlag, Salzhemmendorf, Germany.
- Larsen E S and Hicks W B (1914) Searlesite, a new mineral, *American Journal of Science*, 38, 437-440.
- Larsen ES, Schaller WT (1932) Serendibite from Warren County, New York, and its paragenesis. *Am Mineral* 17:457-465.
- Larsen, A. O., Nordrum, F. S. and Austrheim, H. (1999) Turmaliner i Norge. Norsk Bergverksmuseum, Skrift 1 5, 21-30.
- Laurs B.M., Ed. (2001) Gem News International: More on liddicoatite from Nigeria. *Gems & Gemology*, 37(3), 240–241.
- Laurs, B.M.; Pezzotta, F.; Simmons, W.B., Falster, A.U and Muhlmeister, S. (2002): Rhodizite-londonite from the Antsongombato pegmatite, Central Madagascar. *Gems & Gemology*, 38 (4), 326-339.
- Lazebnik KA, Gamyranin GN, Okrugin AV, et al. (1984) Rare minerals of Yakutia. *Yakutskiy Filial Sibirskogo Otdeleniya Akademii Nauk SSSR, Yakutsk* (in Russian)
- Lee, D. (1966) On borcarite of the Holdong deposit. *Chijil Kwa Chiri* 7 (3), 1–4 (in Korean with a Russian abstract).
- Lefond, S.J. and Barker, J.M. (1979) A borate and zeolite occurrence near Magdalena, Sonora, Mexico. *Economic Geology*, 74, 1883-1889.
- Lefond, S.J. and Barker, J.M. (1985) The borates and zeolites of northcentral Sonora, Mexico. In Barker, J.M. and Lefond, S.J. (eds) *Borates: Economic Geology and Production*. P. 177-195. Society of Mining Engineers of the American Institute of Mining, Metallurgical, and Petroleum Engineers, New York
- Levitskiy VI, Terekhov YeN, Medvedeva TI, Bogdanova GV, Sapozhnikov AN, Gunicheva TN (1988) A new genetic type of cordierite rock. *Doklady Akad Nauk SSSR* 302(3):679-683 (in Russian)

- Levitskiy VI, Terekhov YeN, Sapozhnikov AN, Khaltuyeva VK (1990) Features of the mineralogy and petrology of metasomatites with cordierite and kornorupine. *Mineral Zhurnal* 12(5):58-68 (in Russian)
- Li, B. (1992): Salt minerals and their mechanism of the salt lakes in Xinjiang. *Journal of Lake Sciences* 4(1), 48-55 (in Chinese with English abstract).
- Li, Y., Yuan, B., Liu, C., Yuan, H. (1990) Searlesite discovered for the first time in China. *Acta Petrologica et Mineralogica*, 9(2), 170-174 (in Chinese with English abstract).
- Li, W.-Z, Zheng, M-P.. and Zhao, Y.-Y. (2004): The status and suggestions on the exploitation and application of magnesium-borate minerals in Tibet. *Resources & Industries* 6(5), 33-37 (in Chinese with English abstract).
- Liessmann, W. (1995) Epithermale Goldlagersätten und aktiver Vulkanismus in Kamtschatka/Rußland. *Aufschluss*, 46, 163-180.
- Lisitsyn, A.Ye., Malinko, S.V., and Rummyantsev, G.S. (1965) On new finds of frolovite and pentahydroborite. *Doklady Akademii Nauk SSSR*, 164, 171-173.
- Lisitsyn, A.Ye., Rudnev, V.V., and Yurkina, K.V. (1985) Suanite and its mineral associations in the borate-magnetite deposit Tayozhnoye (Southern Yakutiya). *Mineralogicheskii Zhurnal*, 7(5), 32-40 (in Russian with English summary).
- Lisitsyn, A.Ye., Malinko, S.V. and Rudnev, V.V. (1991) Borates of Pitkyaranta: distribution and composition. *Mineralogicheskii Zhurnal*, 13(1), 49-60 (in Russian).
- Liu, Y. and Zhong, D. (1997) Petrology of high-pressure granulites from the eastern Himalayan syntaxis. *Journal of Metamorphic Geology*, 15, 451–466.
- Liu, Y., Ma, Z., Han, X., Zhou, H., Zhang, P. and Zhong, D. (1997) Astrophyllite from the Namjabarwa area, eastern Tibet. *Acta Petrologica et Mineralogica*, 16(4), 337-340 (in Chinese with English abstract).
- Liu, Y., Zhong, D., Han, X. and Zhang, P. (2000) C-rich warwickite from the Eastern Himalayan Syntaxis; a new variety. *Scientia Geologica Sinica*, 35(2), 245-250 (in Chinese with English abstract).

- Liu, X. and Zheng, M. (2010): Geological features and metallogenic mechanism of the Nie'er Co Magnesium Borate Deposit, Tibet. *Acta Geologica Sinica* 84(11), 1601-1612 (in Chinese with English abstract).
- Livingstone, A. and Macpherson, H.G. (1983) Fifth supplementary list of British minerals (Scottish), *Mineralogical Magazine*, 47, 99-105.
- Lobanova V V (1958) Sulfoborite in rocksalt of the Caspian Depression and southern Ural region. *Doklady Akademii Nauk SSSR* 122(5), 905-908 (in Russian).
- Lobanova V V (1962) A new borate, halurgite. *Doklady Akademii Nauk SSSR* 143, 693-696 (in Russian).
- Lobanova V V, Avrova N P (1964) The new mineral metaborite - natural metaboric acid, *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 93(3), 329-334.
- London, D. and Manning, D.A.C. (1995) Chemical variation and significance of tourmaline from Southwest England. *Economic Geology*, 90, 495-519.
- Lonker SW (1988) An occurrence of grandidierite, kornorupine, and tourmaline in southeastern Ontario, Canada. *Contrib Mineral Petrol* 98:502-516
- Lorenzen J (1886) Untersuchungen grönländischer Mineralien. *Zeitschrift für Kristallographie und Mineralogie* 11, 315-318.
- Lu, Z. and Zhang, C. (1985) Geological characteristics and genesis of the Gaotaigou boron deposit, Jilin, China. *Jilin Geology*, 3, 62-66 (in Chinese).
- Lu, Y., Chen, Y., Li, H., Xue, C., and Chen, F. (2005) Metallogenic chronology of boron deposits in the Eastern Liaoning Paleoproterozoic Rift Zone. *Acta Geologica Sinica*, 79, 414-425.
- Luedecke, O. (1891) XXVII. Ueber Heintzit, ein neues Borat von Leopoldshall. *Zeitschrift für Kristallographie*, 18, 478-485.
- Lupulescu, M. (2008) Minerals from the iron deposits of New York State. *Rocks and Minerals*, 83(3), 248-266 (abstract)/
- Lupulescu, M.V. and Rowe, R. (2011) Al-rich chromium-dravite from the #1 mine, Balmat, St. Lawrence County, New York. *Canadian Mineralogist*, 49, 1189-1198.

- Lupulescu, M.V., Rowe, R., Bailey, D., and Hawkins, M. (2014) Chernikovite, warwickite, and dissakisite-(Ce) from New York State. In Fortieth Rochester Mineralogical Symposium: Contributed Papers in Specimen Mineralogy—Part 3, Rocks & Minerals, 89:6, 542 (abstract).
- Lussier, A.J., Hawthorne, F.C., Michaelis, V.K., Aguiar, P.M., and Kroeker, S. (2011) Elbaite-liddicoatite from Black Rapids glacier, Alaska. *Periodico di Mineralogia*, 80, 1 (Special Issue), 57-73
- Ma, Z., Zhang, J., and Yang, F. (1986) Hellandite of Quyang, Hebei, China. *Dizhi. Xuebao*, 60, 68-77 (not consulted)
- Malinko S V (1961) New boron minerals - uralborite and pentahydroborite. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 90(6), 673-681 (in Russian).
- Malinko S V (1963) A new calcium borate, korzhinskite, *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 92, 555-559 (in Russian)
- Malinko, S.V. (1966) First find of cahnite in the USSR. *Doklady of the Academy of Sciences of the U.S.S.R., Earth Science Sections*, 166, 117-120.
- Malinko, S.V. (1975) On a new find of uralborite. *Trudy Mineralogicheskogo Museya Akademii Nauk SSSR imeni A.E. Fersmana*, 24, 189-190 (not consulted).
- Malinko, S.V and Kuznetsova, N.N. (1970) A new find of vimsite. *Doklady Akademii Nauk SSSR, Earth Science Sections*, 195, 149-152.
- Malinko SV, Kuznetsova NN (1973) A new find of sakhaite. *Zapiski Vsesoyuz Mineral Obshchestva* 102(2):164-170 (in Russian)
- Malinko S V, Lisitsyn A E (1961) A new boron mineral - nifontovite, *Doklady Akademii Nauk SSSR* 139, 188-190 (in Russian).
- Malinko, S.V. and Lisitsyn, A. Ye. (1997) Exotic boron ores of the Solongo deposit, Buryatia. *Rudy i Metally*, 1997(5), 63-71.
- Malinko, S.V. and Mel'nitskaya, Ye. F. (1978) Sakhaite and borcarite in skarns of the Sayak Ore field. *Trudy Mineralogicheskogo Muzeya Akademii Nauk SSSR*, 27, 86-88 (in Russian).

- Malinko, S.V., Pertsev, N.N. (1979): Rhombohedral, monoclinic kurchatovite; new data. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 108, 595-599
- Malinko S V. and Pertsev N N (1983) Clinokurchatovite, a new structural modification of kurchatovite, *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 112(4), 483-487
- Malinko S V, Lisitsyn A E, Dorofeeva K A, Ostavskaya I V, Shashkin D P (1966) Kurchatovite, a new mineral, *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 95, issue 2, 203-209 (in Russian).
- Malinko, S.V., Stolyarova, T.I. and Shashkin, D.P. (1972) The first find of magnesian roweite, its parageneses and products of replacement. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 101, issue 4, 465-473 (in Russian).
- Malinko, S.V., Shashkin, D.P. and Yurkina, K.V. (1976) Fedorovskite, a new boron mineral, and the isomorphous series roweite-fedorovskite. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 105, issue 1, 71-85 (in Russian).
- Malinko, S.V., Stolyarova, T.I., Yurkina, K.V., and Lisitsyn, A.Ye. (1978) On the composition of kurchatovite and sakhaite in skarns of the Sayak ore field. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 107, 271-279 (in Russian).
- Malinko, S.V., Fitsev, B.P. Kuznetsova, N.N. and Cherkasova, L.Ye. (1980) Ekaterinite, a new boron mineral. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 109, issue 4, 469-476 (English translation: *International Geology Review*, 24, 541-547, 1982).
- Malinko, S V; Lisitsyn, A Ye; Naumova, I S; Pupusova, S P. (1981) Strontiohilgardite in the Korshunova iron deposit. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 110(5), 588-593 (in Russian).
- Malinko, S V; Yamnova, N.A., Pushcharovskiy, D. Yu., Lisitsyn, A Ye; Rudnev, V.V. and Yurkina, K.V.. (1986) Iron-rich warwickite from the Tayezhnoye deposit (southern Yakutiya). *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 115, 713-719 (in Russian).
- Malinko, S.V., Khalturina, I.I., Ozol, A.A. and Bocharov, V.M. (1991) Boron minerals. Handbook. Moscow, Nedra. 232 p. (in Russian).

- Malinko, S.V., Anichich, S., Yoksimovich, D., Lisitsyn, A.E., Dorokhova, G.I., Yamnova, M.A., Vlasov, V.V. and Ozo (1995) Studenitsite $\text{NaCa}_2[\text{B}_9\text{O}_{14}(\text{OH})_4]\cdot 2\text{H}_2\text{O}$ - the new borate from Serbia, Yugoslavia, *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* 124(3), 57-64 (in Russian).
- Malinko, S.V., Chukanov, N.V. and Lisitsyn, A.Ye. (1999) Borates of the sakhaite-harkerite series and karlite from metasomatites of eastern Siberia. *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva*, 128, 96-101 (in Russian with English abstract).
- Mandarino J A, Rachlin A L, Dunn P J, Le Page Y, Back M E, Murowchick B L, Ramik R A, Falls R B (1990) Redefinition of volkovskite and its description from Sussex, New Brunswick, *The Canadian Mineralogist* 28, 351-356.
- Manning, D.A.C. (1991) Chemical variation in tourmalines from South-west England. *Proceedings of the Ussher Society*, 7(4), 327-332.
- Maras, A., Parodi, G.C., Ventura, G.D. and Ohnenstetter, D. (1995) Vicanite-(Ce): a new Ca-Th-REE borosilicate from the Vico volcanic district (Latium, Italy). *European Journal of Mineralogy* 7, 439-446.
- Marakushev, A.A., Khetchikov, Yefimova, M.I., Kim, M.S., Kim, Ch., and Kim, Kh. Dz. (1960) On a find of warwickite and paigeite in Precambrian dolomitic marbles of North Korea. *Doklady Akademii Nauk SSSR*, 134(1), 168-170 (in Russian).
- Marchesini, M. and Pangano, R. (2001) The Val Graveglia manganese district, Liguria, Italy. *Mineralogical Record*, 32(5), 349-379, 415.
- Marincea, Ș. (2000) Fluoborite in magnesian skarns from Baita Bihor (Bihor Massif, Apuseni Mountains, Romania). *Neues Jahrbuch für Mineralogie Monatshefte*, 2000(8), 357-371.
- Marincea, Ș. (2004) A contribution to the study of kotoite: data on three Romanian occurrences. *Neues Jahrbuch für Mineralogie – Monatshefte*, 2004(6), 253-274.
- Marincea, Ș. (2006) Suanite in two boron-bearing magnesian skarns from Romania: data on a longtime ignored mineral species. *Neues Jahrbuch für Mineralogie – Abhandlungen*, 182(2), 183-192.

- Marshukova, N. K., Sirina, T. N., and Pavlovskii, A. B. (1968) First find of nordenskiöldine in the U.S.S.R. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 97, 695-698 (in Russian)
- Matsubara, S., Kato, A., Tiba, T. and Kuwano, Y. (1976) The occurrence of sussexite from the Matsuo Mine, Kôchi Prefecture, Japan. *Memoirs of the National Science Museum. Tokyo*, 9, 72-75.
- Matsubara S, Miyawaki R, Kato A, Yokoyama K, Okamoto A (1998) Okayamalite, $\text{Ca}_2\text{B}_2\text{SiO}_7$, a new mineral, boron analogue of gehlenite, *Mineralogical Magazine* 62, 703-706.
- Mazurov, M.P., Grishina, S.N., Istomin, V.E., and Titov, A.T. (2007): Metasomatism and ore formation at contacts of dolerite with saliferous rocks in the sedimentary cover of the southern Siberian Platform. *Geologiya Rudnykh Mestorozhdeniy, Geology of Ore Deposits* 49(4), 306-320 (in Russian, English translation: *Geology of Ore Deposits*, 49(4), p. 271-284)
- McAllister, J.F. (1970) Geology of the Furnace Creek borate area, Death Valley, Inyo County, California. California Division of Mines and Geology Map Sheet 14, 9 pp (not consulted).
- McAndrew J, Scott T R (1955) Stillwellite, a new rare-earth mineral from Queensland, *Nature* 176, 509-510.
- McAnulty, W. N., and Hoffer, J. M., 1972, A new howlite occurrence in Sonora, Mexico: *Bol. Soc. Geologica Mexicana*, 33, 21-24 (not consulted).
- McKie, D. (1965): The magnesium aluminium borosilicates: kornéropine and grandidierite. *Mineralogical Magazine* 34: 346-357.
- Medaris, L.G., Fournelle, J.H. & Henry, D.J. (2003) Tourmaline-bearing quartz veins in the Baraboo Quartzite, Wisconsin: occurrence and significance of foitite and “oxy-foitite:” *Canadian Mineralogist*, 41, 749-758.
- Megerlin N (1968) Sur une roche à kornéropine du sud de Ianakafy (centre sud de Madagascar). *Comptes Rendus Sem Géol Madagascar* 1968:67-69
- Meixner, H. (1949) Kurzbericht über neue Kärntner Minerale und Mineralfundorte II. *Der Karinthin*, 6, 108-120.

- Meixner, H. (1956) Neue Mineralfunde in den österreichischen Oftalpen XV): 157. Zinnkies aus der Hüttenberger Lagerstätte, Kärnten. Carinthia II 146./66, 25-26.
- Mellini, M. and Merlino, S. (1977) Hellandite: a new type of silicoborate chain. American Mineralogist, 62, 89-99.
- Mel'nitskiy, V.N. (1976) Strontioginorite and hilgardite of the Caspian region. Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva, 105, 106-110 (in Russian)
- Mel'nitskiy, V.V. (1966) Isomorphism of boron in prehnite, vesuvianite and other silicates and its importance during prospecting. Geologiya Rudnykh Mestorozhdeniy, 8(4), 95-100 (in Russian)
- Mer'kov, A N; Nedorezova, A P; Bussen, I V; Kondrat'yeva, V V; Kul'chitskaya, Ye A; Latysheva, L.G., and Men'shikov, Yu.P. (1975) Leucospheinite, the first boron mineral from the Lovozero Massif. Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva 104(3), 343-346.
- Merlino S, Sartori F (1970) Santite, a new mineral phase from Larderello, Tuscany, Contributions to Mineralogy and Petrology 27, 159-165
- Michael, E.-M. (1962) Chemisch-analytische und mineralogische Untersuchungen an natürlichen Boraziten aus den Kaligruben des Südharz- und des Staßfurtgebietes. Unpublished Diplom-Arbeit. Mineralogisch-Petrographisches Institut der Friedrich-Schiller-Universität, Jena (not consulted).
- Milne, J. K. (1978) The potash deposits and their associates in the area of the Boulby mine, Cleveland. Unpublished PhD thesis, Grant Institute of Geology, Edinburgh (not consulted)
- Milne, J. K., Saunders, M. J, and Woods, P. J. E. (1977) Iron-boracite from the English Zechstein. Mineralogical Magazine, 41, 404-405.
- Milton, C. (1977) Mineralogy of the Green River Formation. Mineralogical Record, 368-379.
- Milton, C. and Pabst, A. (1974) Garrelsite, $\text{NaBa}_3\text{Si}_2\text{B}_7\text{O}_{16}(\text{OH})_4$. Journal of Research U.S. Geological Survey, 2(2), 213-218.
- Milton, C., Hildebrand, F.A. and Sherwood, A.M. (1953) The identity of tinzenite with manganoan axinite. American Mineralogist, 38, 1148-1158.

- Milton C, Axelrod J M, Grimaldi F S (1955) New minerals, reedmergnerite ($\text{Na}_2\text{O} \cdot \text{B}_2\text{O}_3 \cdot 6\text{SiO}_2$) and eitelite ($\text{Na}_2\text{O} \cdot \text{MgO} \cdot 2\text{CO}_2$) associated with leucosphenite, shortite, searlesite, and crocidolite in the Green River formation, Utah. *American Mineralogist* 40, 326-327
- Milton C, Chao ECT, Axelrod JM, Grimaldi FS (1960): Reedmergnerite, NaBSi_3O_8 , the boron analogue of albite, from the Green River Formation, Utah. *American Mineralogist*, 45, 188-199.
- Minakawa, T. (1998) Mode of occurrence of gageite from the bedded manganese ore deposits of the Chibu belt in the outer zone of the southwest Japan. *Journal of Mineralogy, Petrology, and Economic Geology*, 93(7), 250-258.
- Minakawa T, Inaba S, Noto S (1986) Oyelite from Suisho-dani, Ise, Mie Prefecture. *Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists*, 81(4):138-142 (in Japanese with English abstract).
- Minakawa T, Fukushima H, Nishio-Hamane D, Miura H (2008) Epidote-(Sr), $\text{CaSrAl}_2\text{Fe}^{3+}(\text{Si}_2\text{O}_7)(\text{SiO}_4)(\text{OH})$, a new mineral from the Ananai mine, Kochi Prefecture, Japan, *Journal of Mineralogical and Petrological Sciences* 103, 400-406.
- Minette, J.W. and Wilber, D.P. (1973) Hydroboracite from the Thompson Mine, Death Valley. *Mineralogical Record*, 4(1), 21-23.
- Miranda-Gasca, M. A; Gomez-Caballero, J. A. and Eastoe, C. J (1990) Borate deposits of northern Sonora, Mexico; stratigraphy, tectonics, stable isotopes, and fluid inclusions. *Economic Geology*, 93(4), 510-523.
- Mittwede, S.K (1984) Significance of tourmaline compositions from the inner Piedmont geological belt of South Carolina: *Southeastern Geology*, 24, 207-210.
- Miyawaki, R., Nakai, I., Nagashima, K., Okamoto, A., and Isobe, T. (1987) The first occurrence of hingganite, hellandite and wodginite in Japan. *Kobutsugaku Zasshi*, 18, 17-30 (in Japanese with an English abstract).
- Miyamaki, R., Momma, K. Yokoyama, K., Shigeoka, M., and Matsubara, S. (2015) Mn-bearing hellandite-(Y) from the Heftetjern pegmatite, Tørdal, Norway. *Canadian Mineralogist*, 53, 345-356.

- Mizutani, Y. (1962) Volcanic sublimates and incrustations from Showashinzan. *The Journal of Earth Sciences, Nagoya University*, 10, 149-164.
- Mocquet, B. and Lulzac Y. (2004) Gem News International: Jeremejevite from Madagascar. *Gems & Gemology*, 40, 340-341.
- Monchoux, P. (1969) Kornerupine. In *Minéralogie de la France. Bulletin de la Société Française de Minéralogie et Cristallographie*, 92, 397-399.
- Monchoux P (1972) Roches à sapphirine au contact des lherzolites pyrénéennes. *Contrib Mineral Petrol* 37:47-64
- Moore, P.B. (1992) Primary borates in the Franklin Marble. *Rocks and Minerals*, 67(2), 117 (abstract)
- Moore, P. (1994) Borate minerals in the Franklin Marble, NY and NJ. *Abstracts with Programs Geological Society of America*, 26(7), A-165.
- Moore P B and Araki T (1974) Pinakiolite, $\text{Mg}_2\text{Mn}^{3+}\text{O}_2[\text{BO}_3]$; warwickite, $\text{Mg}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}[\text{BO}_3]$; wightmanite, $\text{Mg}_5(\text{O})(\text{OH})_5[\text{BO}_3] \cdot n\text{H}_2\text{O}$: Crystal chemistry of complex 3 A wallpaper structures. *American Mineralogist* 59, 985-1004.
- Moore J M, Waters D J, Niven M L (1990) Werdingtonite, a new borosilicate mineral from the granulite facies of the western Namaqualand metamorphic complex, South Africa. *American Mineralogist* 75, 415-420.
- Morgan, V. and Erd, R.C. (1969) Minerals of the Kramer borate district, California. *California Division of Mines and Geology Mineral Information Service*, 22, p. 152, 165 (not consulted).
- Mrose, M.E. and Fleischer, M. (1963) The probable identity of magnioborite with suanite. *American Mineralogist*, 48, 915-924
- Mrose M E, Rose H J (1961) Behierite, $(\text{Ta},\text{Nb})\text{BO}_4$, a new mineral from Manjaka, Madagascar. *Geological Society of America, Abstracts Annual Meetings 1961*, 111A-111A.
- Mrose M E, Schaller W T (1965) The identity of paternoite with kaliborite $(\text{K}_2\text{O} \cdot 4\text{MgO} \cdot 11\text{B}_2\text{O}_3 \cdot 18\text{H}_2\text{O})$. *American Mineralogist* 50, 1079-1083.

- Muessig, S. (1958) First known occurrence of inyoite in a playa, at Laguna Salinas, Peru. *American Mineralogist*, 43, 1144-1147.
- Muessig, S. and Allen, R.D. (1957) Ezcurrite ($2\text{Na}_2\text{O} \cdot 5\text{B}_2\text{O}_3 \cdot 7\text{H}_2\text{O}$), a new sodium borate from Argentina; occurrence, mineralogy, and associated minerals. *Economic Geology* 52, 426-437.
- Müller, J. and Fabricius, F. (1978) Lüneburgite [$\text{Mg}_3 (\text{PO}_4)_2 \text{B}_2\text{O} (\text{OH})_4 \times 6 \text{H}_2\text{O}$] in upper Miocene sediments of the eastern Mediterranean Sea. *Initial Reports of the Deep Sea Drilling Project* 42, Part 1, 661-664.
- Murdoch, J. (1945) Probertite from Los Angeles County, California. *American Mineralogist*, 30, 719-721.
- Murdoch J (1962a) Wightmanite, a new borate mineral from Crestmore, California, *American Mineralogist* 47, 718-722.
- Murdoch, J. (1962b) Bakerite crystals. *American Mineralogist*, 47, 919–923.
- Murdoch, J. and Webb, R.W. (1966), *Minerals of California, Centennial Volume (1866-1966)*: California Division Mines & Geology Bulletin 189.
- Murthy, M.V.N. (1954) Kornerupine from Rannu, Uttar Pradesh, India. *Nature*, 174, 1065.
- Naboko, S.I. (1959) Volcanic exhalations and products of their reactions. *Proceedings of Laboratory of Volcanology* 16, 1–300 (in Russian, not consulted).
- Nalivkina EB (1959) Metasomatic zoning and genesis of sapphirine-bearing rocks of the Bug River region. *Mineral Sbornik L'vov Geol Obshchestva* 13:158-177 (in Russian)
- Nanda JK, Natarajan V, Purushottam A, Prabhavathi R (1983) Kornerupine from the Kondapalli area, Andhra Pradesh, India. *N Jahrb Mineral Mh* 1983(3):103-109
- Nathan, Y., Dvorachek, M., Dorfman, E., Yoffe, O., Shoval, S. and Gaft, M. (1998) Strontian hilgardite 1TC from the Sedom Formation, Mount Sedom, Dead Sea, southern Israel. *Geological Survey of Israel Current Research*, 11, 83-86.
- Nefedov E I (1967) Berborite, a new mineral, *Doklady Akademii Nauk SSSR* 174, 189-192 (in Russian).

- Nekrasov, I.Ya. (1971) Features of tin mineralization in carbonate deposits as in Eastern Siberia: International Geology Review, 13, 1532-1542
- Neiva, A. M.R.; Leal Gomes, C.A.A. (2011): Tourmaline-group minerals in the Naipa Li-Cs-Ta granitic pegmatite group, Mozambique: tracers of magmatic to post-magmatic evolution trends. Neues Jahrbuch für Mineralogie Abhandlungen, 189, 1-20.
- Neumann, H., Bergstoel, S. and Nilssen, B. (1966) Contributions to the mineralogy of Norway. No. 34. Stillwellite in the Langesundfiord nepheline syenite pegmatite dykes. Norsk Geologisk Tidsskrift, 46(3), 327-334.
- Nicolau, C., Reich, M., and Lynn, B. (2014) Physico-chemical and environmental controls on siliceous sinter formation at the high-altitude El Tatio geothermal field, Chile. Journal of Volcanology and Geothermal Research, 282, 60-76.
- Nicollet C (1988) Métabasites granulitiques, anorthosites et roches associées de la croûte inférieure. Exemples pris à Madagascar et dans le Massif Central français. Arguments en faveur d'un métamorphisme associé à l'extension lithosphérique. Thèse d'Etat, Université Blaise Pascal, Clermont-Ferrand
- Nicollet C (1990a) Crustal evolution of the granulites of Madagascar. In: D Vielzeuf, P Vidal (eds) Granulites and Crustal Evolution, NATO ASI Series, p 291-310 Kluwer, Dordrecht, Netherlands.
- Nicollet, C. (1990b): Occurrences of grandidierite, serendibite and tourmaline near Ihosy, southern Madagascar. Mineralogical Magazine 54: 131-133.
- Niedermayr, G. (2002) 1306) Magnesio-Axinit und andere Mineralien von Schwallenbach, Niederösterreich. P. 228 in Niedermayr, G. et al.: Neue Mineralfunde aus Österreich LI. Carinthia II, 192/112, 215-244.
- Nijland, T.G., Zwaan, J.C and Touret, L. (1998) Topographical mineralogy of the Bamble sector, south Norway. Scripta Geologica, 118, 1-46.
- Nikulin, I.I. and Yeremeyev, R.V. (2011) New finds of ekaterinite in kimberlites of western Yakutiya. Vestnik Voronezhskogo Gosudarstvennogo Universiteta, Seriya Geologiya, 2011(1), 95-102.

- Nishikubo, K., Yamada, T., Harada, A., Takizawa, M.; Tange, K., Kosuge, Y., Miyawaki, R. and Matsubara, S. (2009) Rambergite from the Hirogawara Mine, Urayama, Chichibu City, Saitama Prefecture, Japan. Bulletin of the National Museum of Nature and Science. Series C, Geology & Paleontology, 35, 7-10.
- Nissinboim, A. and Harlow, G.E. (2011) A study of ruby on painite from the Mogok Stone Tract. Gems & Gemology, 47, 140-141 (abstract).
- Nixon PH, Reedman AJ, Burns LK (1973) Sapphirine-bearing granulites from Labwor, Uganda. Mineral Mag 39:420-428
- Nixon PH, Grew ES, Condcliffe E (1984) Kornerupine in a sapphirine-spinel granulite from Labwor Hills, Uganda. Mineral Mag 48:550-552
- Nordrum, F. S. (2007): Nyfunn av mineraler i Norge 2006-2007. Stein 34 (2), 14-26 (in Norwegian).
- Novák, M. (1999) Cassiterite and tusionite as monitors of B and Sn behaviour in the elbaite pegmatite at Rečiče near Nové Město na Moravě, western Moravia, Czech Republic. Neues Jahrbuch fuer Mineralogie. Monatshefte, 1999(11), 481-493.
- Novák, M., Selway, J. B. & Houzar, S. (1998): Potassium-bearing, fluorine-rich tourmaline from metamorphosed fluorite layer in leucocratic orthogneiss at Nedvedice, Svratka Unit, western Moravia. Journal of the Czech Geological Society 43, 37-44.
- Novák, M., Černý, P., Cooper, M., Hawthorne, F.C., Ottolini, L., Xu, Z. and Liang, J.-J. (1999a) Boron-bearing $2M_1$ polyolithionite and $2M_1 + 1M$ boromuscovite from an elbaite pegmatite at Rečiče, western Moravia, Czech Republi. European Journal of Mineralogy, 11, 669-678.
- Novák M., Selway J.B., Černý, P., Hawthorne F.C., Ottolini L. (1999b) Tourmaline of the elbaite-dravite series from an elbaite-subtype pegmatite at Bližná, southern Bohemia, Czech Republic. European Journal of Mineralogy, 11, 557–568.
- Novák, M., Povondra, P. and Selway, J.B. (2004) Schorl–oxy-schorl to dravite–oxy-dravite tourmaline from granitic pegmatites; examples from the Moldanubicum, Czech Republic. European Journal of Mineralogy, 16, 323-333.

- Novák, M., Ertl, A., Povondra, P., Galiová, M.V., Rossman, G.R., Pristacz, H., Prem, M., Giester, G., Gadas P. and Škoda, R. (2013) Darrellhenryite, $\text{Na}(\text{LiAl}_2)\text{Al}_6(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{OH})_3\text{O}$, a new mineral from the tourmaline supergroup. *American Mineralogist*, 98, 1886-1892.
- Oana, S. (1962) Volcanic gases and sublimates from Showashinzan. *Bulletin Volcanologique*, 24, 49-57.
- Oberti R, Ventura G D, Ottolini L, Hawthorne F C, Bonazzi P (2002) Re-definition, nomenclature, and crystal-chemistry of the hellandite group, *American Mineralogist* 87, 745-752.
- Obradović, J., Karamata, S., Vasic, N., Dimitrijevic, R., and Milojkovic, R. (1984) Luneburgit izlezista sedimentnog magnezita "Bela Stena." *Jugoslovenska Asocijacija za Mineralogiju, I Simpozijum, Arandjelovac*, 34- 41 (in Serbo-Croatian, not consulted).
- Obradović J., Stamatakis M.G., Aničić S., Economou G.S. (1992) Borate and borosilicate deposits in the Miocene Jarandol basin, Serbia, Yugoslavia. *Economic. Geology*, 87, 2169-2174.
- Oftedal, I. (1965) Über den Hellandit. *Tschermaks Mineralogische und Petrographische Mitteilungen*, 10, 125–129
- Okada, T. (2011) Hellandite from Mt. Ookukeyama, Kitagawa Town, Nobeoka City, Miyazaki Prefecture, Japan. *Chigaku Kenkyu*, 60 (1), 25-31 (in Japanese).
- Okano, T. (1962) Sassolite from Iwo-zima Island, Kagoshima Prefecture. *Journal of the Japanese Association of Mineralogists, Petrologists and Economic Geologists*, 47(5), 188-189 (in Japanese with English abstract).
- Orris, G.J., and Grauch, R.I. (2002) Rare Earth Element Mines, Deposits, and Occurrences. U.S. Geological Survey Open-File Report 02-189.
- Orti, F., Gündogan, I., and Helvacı, C., 2002, Sodium sulphate deposits of Neogene age: The Kirmir Formation, Beypazari Basin, Turkey: *Sedimentary Geology*, 146, 305–333.
- Osinskiy, A.V. (1960) Discovery of luneburgite in the Kerch Peninsula. *Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Galurgii*, 40, 322-329 (in Russian).

- Ostrovskaya IV, Pertsev NN, Nikitina IB (1966) Sakhaite-a new carbonatoborate of calcium and magnesium. *Zapiski Vsesoyuz Mineral Obshchestva* 95(2):193-202 (in Russian)
- Ottens, B. and Bin, J. (2014): Seltene Boratmineralien aus der Inneren Mongolei, China. *Lapis*, 39 (7/8), 66-68.
- Ottens, B. and Neumeier, G. (2012) The Huanggang Mine, Inner Mongolia, China. *Mineralogical Record*, 43, 529-563
- Ozaki, M. (1969) Notes on the chemical composition of axinite. *Scientific Reports, Faculty of Sciences, Kyushu University, Geology*, 9, 129-142 (in Japanese)
- Ozaki, M. (1972) Chemical composition and occurrence of axinite. *Kumamoto Journal of Science, Geology*, 9(2), 1-34
- Pabst, A. and Milton, C. (1972) Leucospheinite, and its occurrence in the Green River Formation of Utah and Wyoming. *American Mineralogist*, 57, 1801-1822.
- Pajkull, S.R. (1876) Homilit, a mineral from Brevig in Norway. *Geologiska Föreningens i Stockholm Förhandlingar*, 3, 229-232 (in Swedish)
- Palache, C. and Bauer, L.H. (1927) Cahnite, A new boro-arsenate of calcium from Franklin, New Jersey. *American Mineralogist* 12, 149-153.
- Palache, C. and Foshag, W.H. (1938) Antofagastite and bandylite, two new copper minerals from Chile. *American Mineralogist* 23, 85-90.
- Palache, C., Berman, H. and Frondel, C. (1944) *The System of Mineralogy. Seventh Edition. Volume I. Elements, Sulfides, Sulfosalts. Oxides.* Wiley, New York. 834 pages.
- Palache, C., Berman, H. and Frondel, C. (1951) *The System of Mineralogy. Seventh Edition. Volume II. Halides, Nitrates, Borates, Carbonates, Sulfates, Phosphates, Arsenates, Tungstates, Molybdates, Etc.* Wiley, New York. 1124 pages.
- Palenzona, A. (1985) Bakerite: first discovery in Italy. *Rivista Mineralogica Italiana*, 2, 67–68.

- Pan, Y., Fleet, M.E., and Barnett, R.L. (1994) Rare-earth mineralogy and geochemistry of the Mattagami Lake volcanogenic massive sulfide deposit, Quebec. *Canadian Mineralogist*, 32, 133-147.
- Panichi, U. (1914) Contributo allo studio dei minerali di Vulcano. *Memorie della Società Italiana delle Scienze [detta dei XL], serie 3*, 19, 3-55.
- Panczner, W.D. (1987) *Minerals of Mexico*. Van Nostrand Reinhold, New York. 459 p.
- Papezik, V.S. and Fong, C.C.K. (1975) Howlite and ulexite from the Carboniferous gypsum and anhydrite beds in western Newfoundland. *Canadian Mineralogist*, 13, 370-376.
- Pardillo Vaquer, F. (1948) La caliborita de Sallent (Barcelona). *Estudios Geológicos (Madrid)*, 7, 41-54.
- Pautov, L.A., Agakhanov, A.A., Sokolova, E. and Hawthorne, F.C. (2004) Maleevite, $\text{BaB}_2\text{Si}_2\text{O}_8$, and pekovite, $\text{SrB}_2\text{Si}_2\text{O}_8$, new mineral species from the Dara-i-Pioz Alkaline Massif, northern Tajikistan: description and crystal structure. *Canadian Mineralogist* 42, 107-119.
- Pautov, L.A., Agakhanov, A.A. and Gafurov, F.G. (2008) Titantaramellite from the Darai-Piyoz Massif. In *Geologiya, Genesis i Zakonomernosti Pazmeshcheniya Mestorozhdenyy Poleznykh Iskopayemykh, Akademiya Nauk Respubliki Tadjikistan, Institut Geologii, Tadjikskiy Gosudarstvennyy Natsionalnyy Universitet Geologicheskiiy Fakultet, Dushanbe-2008*, p. 38-45 (in Russian).
- Payne, C.J. (1954) Kornerupine. *Gemmologist* 23(281), 215-219.
- Payne, C.J. (1958) A crystal of sinhalite from Mogok, Burma. *Mineralogical Magazine*, 31, 978-979.
- Pekov, I.V. (1998) *Minerals First Discovered on the Territory of the Former Soviet Union*. Ocean Pictures, Moscow
- Pekov, I.V. (2007) New minerals from Former Soviet Union Countries, 1998-2007. *Mineralogical Almanac*, 11, 112 pages.
- Pekov, I.V. and Abramov, D.V. (1993) Boron deposit of the Inder and its minerals. *World of Stones*, 1, 23-30.

- Pekov I V, Lovskaya E V, Chukanov N V, Zadov A E, Apollonov V N, Pushcharovsky D Y, Ferro O, Vinogradova S A (2001) Kurgantaite $\text{CaSr}[\text{B}_5\text{O}_9]\text{Cl} \cdot \text{H}_2\text{O}$: revalidation of the mineral species and new data. *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* 130, issue 3, 71-79
- Pekov, I.V., Yakubovich, O.V, Massa, W., Chukanov, N.V., Kononkova, N.N., Agakhanov, A.A., and Karpenko, V.Yu. (2010) Londonite from the Urals, and new aspects of the crystal chemistry of the rhodizite-londonite series. *Canadian Mineralogist*, 48, 241–254.
- Pekov I V, Zubkova N V, Pautov L A, Yapaskurt V O, Chukanov N V, Lykova I S, Britvin S N, Sidorov E G, Pushcharovsky D Y (2015) Chubarovite, $\text{KZn}_2(\text{BO}_3)\text{Cl}_2$, a new mineral species from the Tolbachik volcano, Kamchatka, Russia. *The Canadian Mineralogist* 53, 273-284.
- Pelloux, A. (1935) Tinzenite e parsettensite della miniera di Cassagna (Liguria Orientale). *Bollettino della Società Geologica Italiana*, 53, 235-238.
- Pemberton, H.E. (1975) The crystal habits and forms of the minerals of Searles Lake, San Bernardino County, California. *The Mineralogical Record*, 6(2), 74-83.
- Pemberton, H.E. (1983) *Minerals of California*. Van Nostrand, New York. 591 p.
- Peng, Q.-M. and Palmer, M.R. (1995) The Paleoproterozoic boron deposits of Liaoning, China: A metamorphosed evaporite. *Precambrian Research*, 72, 185-197.
- Peng, Q.-M. and Palmer, M.R. (2002) The Paleoproterozoic Mg and Mg-Fe borate deposits of Liaoning and Jilin provinces, northeast China. *Economic Geology*, 97, 93–108.
- Perchiazzi, N and Biagioni, C. (2005) Sugilite e serandite dei Diaspri *Auctt.* di Vagli (Alpi Apuane). *Atti della Società Toscana di Scienze Naturali Memorie, Serie A*, 110, 67-71.
- Perchiazzi N, Gualtieri A F, Merlino S, Kampf A R (2004) The atomic structure of bakerite and its relationship to datolite, *American Mineralogist* 89, 767-776.
- Peretyazhko, I.S., Zagorsky, V.Ye., Prokof'ev, V.Yu. and Smirnov, S.Z. (1999) Boric acid as the most typical component of fluid inclusions in minerals from tourmaline-bearing and topaz-beryl miarolitic pegmatites, *Canadian Mineralogist*, 37(4), 823–825.

- Peretyazhko, I.S., Prokofiev, V.Yu., Zagorskii, V.E., and Smirnov, S.Z., (2000) Role of boric acids in the formation of pegmatite and hydrothermal minerals: Petrologic consequences of sassolite (H_3BO_3) discovery in fluid inclusions. *Petrology*, 8(3), 214-237.
- Pertsev, N.N. (1961) Harkerite and kotoite in the skarns of Polar Yakutia. *Geologiya i Geofizika* 1961(7):102-105 (in Russian)
- Pertsev, N.N. (1971) Parageneses of Boron Minerals in Magnesian Skarns. Nauka, Moscow (in Russian).
- Pertsev NN, Nikitina IB (1959) New data on serendibite. *Zapiski Vsesoyuz Mineral Obshchestva* 88(2):169-172 (in Russian).
- Pertsev N N, Ostravskaya I V, Nikitina I B (1965) The new mineral borcarite, *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 94, 180-186(in Russian)
- Pertsev NN, Bogomolov MA, Nikitina IB (1968) New finds of harkerite and sakhaite, their parageneses and alteration products. *Trudy Mineral Muzeya imeni A. E. Fersmana* 18:105-122 (in Russian).
- Pertsev, N.N., Schreyer, W., Armbruster, T., Bernhardt, H.-J. and Medenbach, O. (2004) Alumino-magnesiohulsite, a new member of the hulsite group, in kotoite marble from east of Verkhoyansk, Sakha-Yakutia, Russia. *European Journal of Mineralogy* 16, 151-161.
- Petersen, O.V., Johnsen, O., Jensen, A. (1980) Giant crystals of kornepurine. *Mineralogical Record*, 11(2), 93-96.
- Petrova Ye.S. (1955) The new mineral calciborite. In Afanas'eva, N.A/, Gimmel'farba, B.M. and Sokolova, A.S. (eds) *Geologiya Gorno-khimicheskogo Syr'ya*. *Trudy Gosudarstvennogo Nauchno-Issledovatel'skogo Instituta Gorno-khimicheskogo Syr'ya*, 2, 218-223 (in Russian).
- Petrova E S (1957) A new hydrous calcium borate - frolovite, *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 86(5), 622-625.
- Pezzotta, F. and Guastoni, A. (2002) Adamello: the LCT miarolitic pegmatite of the Valle Adamè (Brescia). *Revista Mineralogica Italiana*, 2002(3). 126-142.
- Pieczka, A. and Marszałek, M. (1996) Holtite – the first occurrence in Poland. *Mineralogia Polonica*, 27, 3-8.

- Pieczka, A., Hawthorne, F.C., Cooper, M.A., Szeleg, E., Szuszkiewicz, A., Turniak, K., Nejbert, K. and Ilnicki, S. (2015) Pilawite-(Y), $\text{Ca}_2(\text{Y}, \text{Yb})_2[\text{Al}_4(\text{SiO}_4)_4\text{O}_2(\text{OH})_2]$, a new mineral from the Piława Górna granitic pegmatite, southwestern Poland: mineralogical data, crystal structure and association. *Mineralogical Magazine*, 79, 1143-1157.
- Pierini, G. (2004) Homilite in an volcanic projectile from Tre Croci di Vetralla locality, Viterbo, Lazio. *Micro*, 2004(1), 5-12 (in Italian with English summary).
- Pitman, L.C., Hurlbut, C.S. and Francis, C.A. (1995) Euhedral sinhalite crystals from Sri Lanka. *Mineralogical Record* 26(2), 91-94.
- Poitevin, E. and Ellsworth, H.V. (1921) Inyoite from New Brunswick. *Bulletin – Canada Geological Survey*, no. 32; *Geological Series*, no. 39, 21 p.
- Popov, V.S. “Fluoborite,” in *Minerals of Uzbekistan* (Fan, Tashkent, 1975), Vol. 2, pp. 149–150 [not consulted].
- Portnov, A M; Sidorenko, G A; Dubinchuk, V T; Kuznetsova, N N., Ziborova, T A. (1969) Melanocerite from the northern Baikal region *Doklady Akademii Nauk SSSR*, 185(4), 901-904 (in Russian, English translation: . *Doklady. Earth Science Sections*, 185, 107-109).
- Post, N.J., Hensen, B.J. and Kinny, P.D. (1996) Two metamorphic episodes during a 1340-1180Ma convergent tectonic event in the Windmill Islands, East Antarctica. In Ricci-Carlotto Alberto (editor) *International Symposium on Antarctic Earth Sciences*. 7; Pages 157-161
- Postl, W., Bojar, H.-P. & Bernhard, F. (2000): 1229: Sussexit vom Manganvorkommen am Friedelkogel, Veitsch, Steiermark. In: Niedermayr, G. et al. (2000): *Neue Mineralfunde aus Österreich XLIX. Carinthia II*, 190/110, 214.
- Povondra, P. (1981): The crystal chemistry of tourmalines of the schorl—dravite series. *Acta Universitatis Carolinae—Geologica*, 3, 223-264.
- Pring, A., Jefferson, D. A., and Thomas, J. M. (1983) On the structure of rhodizite. *Journal of the Chemical Society, Chemical Communications*, 734-736.
- Pring, A., Din, V.K., Jefferson, D.A., and Thomas, J.M. (1986) The crystal chemistry of rhodizite: a re-examination. *Mineralogical Magazine*, 50, 163–172.

- Pring, A., Francis, G. and Birch, W.D. (1992) Nissonite, namibite, and other additions to the mineral suite from Iron Monarch, South Australia. *Australian Mineralogist*, 6, 31-39..
- Pring, A., Kolitsch, U. and Francis, G. (2000) Additions to the mineralogy of the Iron Monarch deposit, Middleback Ranges, South Australia. *Australian Journal of Mineralogy*, 6(1), 9-23.
- Pringle, I.J. and Kawachi, Y. (1980) Axinite mineral group in low-grade regionally metamorphosed rocks in southern New Zealand. *American Mineralogist*, 1119-1129.
- Prior G T, Coomáraswámy A K (1903) Serendibite, a new borosilicate from Ceylon. *Mineralogical Magazine* 13, 224-227.
- Pryce, M.W. (1971) Holtite: a new mineral allied to dumortierite. *Mineralogical Magazine*, 38, 21-25.
- Qian, Y. (1989) Borate deposits in Qaidam basin. *Acta Sedimentologica Sinica*, 7(2), 117-123- (in Chinese with English abstract).
- Qian, Z. and Xuan, Z. (1985) Borate minerals in salt lake deposits at Chaidamu Basin, China. *Sixth International Symposium on Salt*, 1983, vol. 1, 185-192.
- Qui Z-M, Rang M, Chang J-T, Tan M-J (1990) Mössbauer spectra of grandidierite. *Chinese Sci Bull* 35(1):43-47
- Raade, G. and Kristiansen, R. (2000) Heftetjern granite pegmatite, Tørdal: a progress report. *Norsk Bergverksmuseum Skrifter*. 17, 19-25.
- Raade, G., Johnsen, O., Erambert, M. and Petersen, O.V. (2007) Hundholmenite-(Y) from Norway — a new mineral species in the vicanite group: descriptive data and crystal structure. *Mineralogical Magazine* 71, 179-192.
- Rader, E.L. and Peck, W.H. (2006) A new serendibite locality in the Grenville Province (Orange County, New York). *Geological Society of America Abstracts with Programs*, 38(2), 25
- Ragu, A. (1990): *Pétrologie et minéralogie des minéralisations manganésées métamorphiques dans le Paléozoïque des Pyrénées Centrales*. Ph.D. Thesis, *Mémoire des Sciences de la Terre*, no. 90-15 (Univ. Pierre et Marie Curie, Paris, ed.), 328 p.

- Ramdohr, P. (1934) Nordenskiöldin in einer Zinnerzlagertstätte: Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, Beilageband, Abteilung A. Mineralogie und Petrographie, 68, 288-297.
- Ranoroosa, N., Fontan, F. and Fransolet, A.M. (1989) Rediscovery of manandonite in the Sahatany Valley, Madagascar. *European Journal of Mineralogy*, 1, 633-638.
- Raup, O.B. and Madsen, B.M. (1986) Danburite in evaporites of the Paradox Basin, Utah. *Journal of Sedimentary Petrology*, 56(2), 248-251
- Razakamanana, T., Windley, B.F. & Ackermann, D. (2010): Petrology, chemistry and phase relations of borosilicate phases in phlogopite diopsidites and granitic pegmatites from the Tranomaro belt, SE Madagascar; boron-fluid evolution. In Kusky, T. M., Zhai, M.-G. & Xiao, W. (eds) *The Evolving Continents: Understanding Processes of Continental Growth*. Geological Society, London, Special Publications, 338, 139–161.
- Read, P. B. and Reay, A. (1971) Akatoreite, a new manganese silicate from eastern Otago, New Zealand. *American Mineralogist*, 56, 416-426.
- Reguir, E.P., Chakhmouradian, A. R., Evdokimov, M.D. (1999) The mineralogy of a unique baratovite- and miserite-bearing quartz-albite-aegirine rock from the Dara-i-Pioz Complex, northern Tajikistan. *The Canadian Mineralogist*, 37, 1369-1384.
- Ren, Z. (1984) Geochemical characteristics of tin-bearing magnetite-skarns. *Geochemistry*, 3(3), 115-127.
- Ren, L. and Liu, X. (1993) An occurrence of the assemblage of the assemblage grandidierite, kornerupine, and tourmaline in Antarctica. *Antarctic Research*, 5(2), 21-28.
- Ren L, Zhao Y, Liu X, Chen T (1992) Re-examination of the metamorphic evolution of the Larsemann Hills, East Antarctica. In: Y Yoshida, K Kaminuma, K Shiraishi (eds) *Recent Progress in Antarctic Earth Science*, p 145-153 Terrapub, Tokyo
- Ribeiro da Costa, I., Mourão, C., Récio, C., Guimarães, F., Antunes, I.M., Farinha Ramos, J., Barriga, F.J.A.S., Palmer, M.R. and Milton, J.A. (2014) Tourmaline occurrences within the Penamacor-Monsanto granitic pluton and host-rocks (Central Portugal): genetic implications of crystal-chemical and isotopic features. *Contributions to Mineralogy and Petrology*, 167, 1-23.

- Richmond GM (1939) Serendibite and associated minerals from the New City Quarry, Riverside, California. *Am Mineral* 24:725-726.
- Roda-Robles, E., Simmons, W., Pesquera, A., Gil-Crespo, P. P., Nizamoff, J., & Torres-Ruiz, J. (2015). Tourmaline as a petrogenetic monitor of the origin and evolution of the Berry-Havey pegmatite (Maine, U.S.A.). *American Mineralogist*, 100(1), 95-109.
- Rodgers, K.A., Greatrex, R., Hyland, M. Simmons, S.F. (2002) A modern, evaporitic occurrence of teruggite, $\text{Ca}_4\text{MgB}_{12}\text{As}_2\text{O}_{28} \cdot 18\text{H}_2\text{O}$, and nobleite, $\text{CaB}_6\text{O}_{10} \cdot 4\text{H}_2\text{O}$, from the El Tatio geothermal field, Antofagasta Province, Chile. *Mineralogical Magazine*, 66(2), 253–259.
- Rogers, A.F. (1924) The crystallography of searlesite. *American Journal of Science*, 5th series, 7, 498-502.
- Rosenberg P. E. and Foit F. F. (2006): Magnesiofoitite from the uranium deposits of the Athabasca basin, Saskatchewan, Canada. *Canadian Mineralogist*, 44, 959-965.
- Roth, P. and Meisser, N. (2011): The minerals of Alpe Tanatz, Spluga Pass, Grisons, Switzerland. *Rivista Mineralogica Italiana*, 2, 90-99 (in Italian with English abstract).
- Roulston, B.V. and Waugh, D.C.E. (1981) A borate mineral assemblage from the Penobsquis and Salt Springs evaporite deposits of southern New Brunswick. *Canadian Mineralogist*, 19, 291-301.
- Rubin, J. N.; Price, J. G.; Henry, C. D.; Pinkston, T. L.; Tweedy, S. W.; Koppelaar, D. W.; Peterson, S. B.; Harlan, H. M.; Miller, W. T.; Thompson, R. J.; Grabowski, R. B.; Laybourn, P. D.; Schrock, G. E.; Johnson, A.; Staes, D. G.; Gaines, R. V.; Miller, F. H. (1989) Mineralogy of beryllium deposits near Sierra Blanca, Texas. In: *Precious and rare metal technologies; proceedings*. Torma, Arpad E. [editor]; Gundiler, Ibrahim H. [editor], p. 601-614. Elsevier : Amsterdam, Netherlands.
- Rudnev V V (1996) Monoclinic ferromagnesian oxyborates of hulsite isomorphic series. *Zapiski Vserossijskogo Mineralogicheskogo Obshchestva* 125, issue 1, 89-109 (in Russian)
- Rudnev V V (1998) Nordenskiöldine and its zirconium-bearing variety from Yakutiya. *Zapiski Vserossijskogo Mineralogicheskogo Obshchestva* 127, issue 3, 86-92 (in Russian with English abstract)

- Rudnev, V.V., Krivokoneva, G.K., Malinko, S.V. and Lisitsyn, A.Ye. (2000) New data on yuanfuliite from southern Yakutiya and isomorphism in orthoborates of the series warwickite–yuanfuliite. *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva* 129(3), 86-98 (in Russian with abstract in English).
- Rudnev V V, Chukanov N V, Nechelyustov G N, Yamnova N A (2007) Hydroxylborite, $\text{Mg}_3(\text{BO}_3)(\text{OH})_3$, a new mineral species and isomorphous series fluoborite-hydroxylborite series. *Geology of Ore Deposits* 49, 710-719.
- Rumyantseva, Ye. V. (1983) Chromdravite — a new mineral from Karelia. *International Geology Review*, 25, 989-992.
- Rusansky, J. (1985) Geology of the Santa Rosa Borate Mine, Los Andes Department, Salta. PhD, Universidad Nacional de La Plata, Buenos Aires [in Spanish, not consulted].
- Sabina, A.P. (1965): Rocks and minerals for the collector: northeastern Nova Scotia, Cape Breton and Prince Edward Island. *Geological Survey of Canada Paper* 65-10.
- Sabina, A.P. (1977) New occurrences of minerals in parts of Ontario. Report of Activities Part A. *Geological Survey of Canada, Paper* 77-1A, 335-339.
- Sabina, A.P. (1978) Some new mineral occurrences in Canada. *Geological Survey of Canada, Paper* 78-1A, 253–258.
- Sabina, A.P. (1982) Some rare minerals of the Bancroft area. *Mineralogical Record*, 13(4), 223-228.
- Sahama Th.G., von Knorring O., Törnroos R. (1979) On tourmaline. *Lithos*, 12, 109–114.
- Sakai, M. and Akai, J. (1994) Strontium, barium and titanium-bearing minerals and their host rocks from Ohmi, Japan. *Science Reports of Niigata University, Series E (Geology and Mineralogy)*, 9, 97-118.
- Sanero, E. and Gottardi, G. (1968) Nomenclature and crystal-chemistry of axinites, *American Mineralogist* 53, 1407-1411.
- Sauer, A. (1886) Über eine eigenthümliche Granulitart als Muttergestein zweier neuer Mineralspecies. *Zeitschrift der Deutschen Geologischen Gesellschaft* 38, 704-706.

- Savelyeva, V.B., Ushchapovskaya, Z.F., Medvedeva, .T.I, Chestnova, Ye.P., and Balyshev, S.O. (1995) Serendibite from skarns of the Ozersky Massif (Western Baikal region). *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva*, 124(2), 87-98 (in Russian with English abstract)
- Scacchi, A. (1849): *Memorie Geologiche sulla Campania. Inscritte nel Rendiconti della Reale Accademia delle Scienze di Napoli*, 131 p.
- Schäfer, C. (2016) Einige bemerkenswerte Funde vom Bellerberg-Vulkan bei Mayen. *Der Aufschluß*, 67, 5-15.
- Schaller W T (1916) Inyoite and meyerhofferite, two new calcium borates. *U.S. Geological Survey Bulletin* 610, 35-55.
- Schaller W T (1927) Kernite, a new sodium borate, *American Mineralogist* 12, 24-25
- Schaller W T (1930) Borate minerals from the Kramer district, Mohave Desert, California. *U.S. Geological Survey Professional Paper*, 158-I, 137-170.
- Schaller, W.T. (1942) The identity of ascharite, camsellite, and β -ascharite with szaibelyite; and some relations of the magnesium borate minerals. *American Mineralogist*, 27, 467-486.
- Schaller, W.T. and Henderson, E.P. (1932) Mineralogy of drill cores from the potash field of New Mexico and Texas. *U. S. Geological Survey Bulletin*, 833.
- Schaller, W.T. and Hildebrand, F.A. (1955) A second occurrence of the mineral sinhalite ($2\text{MgO} \cdot \text{Al}_2\text{O}_3 \cdot \text{B}_2\text{O}_3$). *American Mineralogist*, 40, 453-457.
- Schaller, W.T. and Mrose, M.E. (1960) The naming of the hydrous magnesium borate minerals from Boron, California – a preliminary note. *American Mineralogist*, 45, 732-734.
- Schaller W T, Vlisidis A C, Mrose M E (1965) Macallisterite, $2\text{MgO} \cdot 6\text{B}_2\text{O}_3 \cdot 15\text{H}_2\text{O}$, a new hydrous magnesium borate mineral from the Death Valley region, Inyo County, California. *American Mineralogist* 50, 629-640
- Schau, M., Davidson, A., Carmichael, D.M. (1986) Granulites and Granulites, Field Trip 6: Guidebook. *Geol Assoc Canada-Mineral Assoc Canada-Canad Geophys Union Joint Ann Meeting*, Ottawa: 36 p

- Schindler, M. and Hawthorne, F.C. (1995) The crystal structure of trembathite, $(\text{Mg}_{1.55}\text{Fe}_{1.43}\text{Mn}_{0.02})\text{B}_7\text{O}_{13}\text{Cl}$, a mineral of the boracite group: An example of the insertion of a cluster into a three-dimensional net. *Canadian Mineralogist*, 36, 1195-1201.
- Schmetzer K (1978) Neues zur Kristalloptik von Kornerupin. *N Jahrb Mineral Mh* 1978:554-556
- Schmetzer K, Medenbach O, Krupp H (1974) Das Mineral Kornerupin unter besonderer Berücksichtigung eines neuen Vorkommens im Kwale Distrikt, Kenya. *Z Deutsche Gemmol Gesellschaft* 23(4):258-278
- Schmetzer, K., Bosshart, G., Bernhardt, H.-J., Gübelin, E.J. and Smith, C.P. (2002) Serendibite from Sri Lanka. *Gems & Gemology*, 38, 73-79
- Schmetzer, K., Burford, M., Kiefert, L. and Bernhardt, H.-J. (2003) The first transparent faceted grandidierite, from Sri Lanka. *Gems & Gemology*, 39, 32-37.
- Schreyer W, Abraham K (1976) Natural boron-free kornerupine and its breakdown products in a sapphirine rock of the Limpopo Belt, southern Africa. *Contrib Mineral Petrol* 54:109-126.
- Schreyer W, Armbruster T, Bernhardt H J, Medenbach O (2003) Pertsevite, a new silicatian magnesioborate mineral with an end-member composition $\text{Mg}_2\text{BO}_3\text{F}$, in kotoite marble from east of Verkhoyansk, Sakha-Yakutia, Russia. *European Journal of Mineralogy* 15, 1007-1018
- Schreyer, W., Bernhardt, H.J., Medenbach, O., Rudnev, V.V., and Pertsev, N.N. (2007) The new finds of pertsevite. *New Data on Minerals*, 42, 28-32.
- Schüller, W. (1990) Die Mineralien des Niveligsberges bei Drees in der Eifel. *Der Aufschluß Sonderband*, 33, 121-139.
- Scott WR (1974) The petrography and chemistry of the kornerupine-bearing rocks at Lac Ste-Marie, Quebec. Unpub. B. Sc. Thesis, University of Ottawa, 53 p
- Se, S.D., Tsyann, Ts.-Ts. And Liu, L.-B. (1964) New mineral—carbaborite $\text{MgCa}_2[\text{CO}_3|\text{B}_2\text{O}_5] \cdot 10\text{H}_2\text{O}$. *Scientia Sinica*, 13(5), 813-821 (in Russian).
- Segnit, E.R. and Lancucki, C.J. (1963) Fluoborite from Crestmore, California. *American Mineralogist*, 48, 678-683.

- Selbekk, R.S. (2010) Norwegian Minerals. A revised version of the Norwegian minerals (Neumann 1986). Tapir akademiske forlag, Trondheim 2010. 552 p. (in Norwegian).
- Selway, J. B., Černý, P. & Hawthorne, F. C. (1998): Feruvite from lepidolite pegmatites at Red Cross Lake, Manitoba. *Canadian Mineralogist* 36, 433-439.;
- Selway, J.B., Novak, M.; Černý, P., and Hawthorne, F. C. (2000) The Tanco Pegmatite at Bernic Lake, Manitoba; XIII, Exocontact tourmaline. *Canadian Mineralogist*, 38, 869-876.
- Selway, J.B., Smeds, S.-A., Černý, P., and Hawthorne, F.C. (2002) Compositional evolution of tourmaline in the petalite-subtype Nyköpingsgruvan pegmatites, Utö, Stockholm Archipelago, Sweden. *GFF*, 124(2), 93–102
- Semeykina, L.K. and Kozlova, V.N. (1984) Sylvinites of the Nepa Basin. In M.A. Zharkov (ed) *Sedimentary formations and conditions of their formation: a collection of scientific works*, p. 55-60. Novosibirsk , Akademiya. Nauk SSSR, Institut Geologii i Geofiziki (in Russian).
- Semeykina, L.K. and Kozlova, V.N. (1985) Mineralogical-petrographic characteristics of the potassic rocks of the Nepa Basin. In *General Problems of Halogenesis*, p. 143-148. Moscow, Nauka (in Russian).
- Semkova, T.A. and Brusnitsyn, A.I. (2002) Rare silicates of manganese from Kozhaevskoye deposit South Ural, Russia. Abstracts of the 18th General Meeting of the International Mineralogical Association, p. 281 (abstract).
- Semroud B, Fabriès J, Conquéré F (1976) La grandidiérite de Tizi-Ouchen (Algérie). *Bull Soc Franç Minéral Crist* 99:58-60
- Sen Gupta, P.K., Swihart, G.H., Dimitrijević, R. and Hossain, M.B. (1991) The crystal structure of lüneburgite, $Mg_3(H_2O)_6[B_2(OH)_6(PO_4)_2]$. *American Mineralogist*, 76, 1400-1407.
- Serafimova, Ye. K. (1970) Conditions of occurrence and formation of sassolite in the Bezmyanny volcano. In Naboko, S.I. (ed) *Mineralogiya Gidrotermal'nykh Sistem Kamchatki i Kuril'skikh Ostrovov*. Institut Vulkanologii (Akademiia nauk SSSR). Nauka, Moscow, p. 192-194 (in Russian).
- Sergeyev, A.D. and Novikova, M.N. (1959) Fluoborite from a tin deposit in Transbaikalia. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 98, 605-608 (in Russian).

- Shabynin, L.I. (1956) On the finding of sinhalite ($2\text{MgO} \cdot \text{Al}_2\text{O}_3 \cdot \text{B}_2\text{O}_3$) in the USSR. *Doklady Akademii Nauk SSSR*, 108(2), 325-328.
- Shabynin LI, Pertsev NN (1956) Warwickite and serendibite from magnesian skarns of southern Yakutiya. *Zapiski Vsesoyuz Mineral Obshchestva* 85(4):515-528 (in Russian)
- Shabynin LI, Pertsev NN (1963) Some new data on suanite and its paragenesis. *Zapiski Vsesoyuz Mineral Obshchestva* 92(2):146-158 (in Russian)
- Shashkin, D P; Simonov, M A, Chernova, N I., Malinko, S V; Stolyarova, T I. and Belov, N.V. (1968) A new natural borate, vimsite. *Doklady Akademii Nauk SSSR*, 182(6), 1402-1405 (in Russian).
- Shephard C U (1838) Notice of warwickite, a new mineral species, *The American Journal of Science and Arts* 34, 313-315.
- Sheppard, R.A. and Gude, A.J. (1968) Distribution and genesis of authigenic silicate minerals in tuffs of Pleistocene Lake Tecopa, Inyo County, California. U.S. Geological Survey Professional Paper 597, 38 p.
- Shih, T.-W. (1976) On chambersite in the upper Proterozoic Erathem of a certain region in China. Scientific Press, Peking (sic), China.
- Shima, M. and Minami, E. (1959) A sublimate containing boron found on Asama volcano. *Scientific Papers of the Institute of Physical and Chemical Research*, 53.1500, 17-18.
- Shimizu, R. and Ogasawara, Y. (2013) Diversity of potassium-bearing tourmalines in diamondiferous Kokchetav UHP metamorphic rocks: A geochemical recorder from peak to retrograde metamorphic stages. *Journal of Asian Earth Sciences*, 63, 39–55.
- Shiraga, K., Kusachi, I., Kobayashi, S., and Takechi, Y. (2002) Cahnite from Fuka, Okayama Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, 97, 70-73.
- Shirose, Y. and Uehara, S. (2013) Li tourmaline from Nagatare, Fukuoka Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, 108, 238-243.
- Shnyukov, E.F. and Lebedev, Yu.S. (1971) Mineralogy of mud volcanism in the Kerch-Taman region. In Shnyukov, E.F. (ed) *Mud Volcanism and Ore Formation*, p. 143-176. Naukova Dumka, Kiev, Ukraine.

- Siemroth, J. (1992) Die Minerale des Anhydrit-Steinbruches von Niedersachswerfen bei Nordhausen im Harz. *Lapis*, 1, 52-55.
- Siemroth, J. (2008) Das Vorkommen von Boratmineralen im Werra-Anhydrit des Steinbruchs Kohnstein bei Niedersachswerfen am Südharz. *Der Aufschluss*, 59, 353-366.
- Simmons, W.B. (1988) Boron mineralization in the Louann Salt and Norphlet Shale, Clarke County, Alabama. *Transactions - Gulf Coast Association of Geological Societies*, 38, 553-560.
- Simmons, W.B. and Berger, M.K. (1980) A borate mineral assemblage in Louann Salt accompanied by boron metasomatism of the Norphlet Shale, Clarke County, Alabama. *Abstracts with Programs - Geological Society of America*, 12(4), 208-209.
- Simmons, W.B. and Berger, M.K. (1983) A new borate mineral assemblage in the Gulf Coast subsurface. Fifth joint Mineralogical Society of America-Friends of Mineralogy symposium. Tucson, AZ, United States.
- Simmons, W.B. and Webber, K.L. (1989) Volkovskite: new data from an occurrence in the subsurface. Clarke County, Alabama. 16th Rochester Mineralogical Symposium. *Rocks & Minerals*, 64, 472 (abstract).
- Simmons, W.B., Pezzotta, F., Falster, A. U. and Webber, K.L. (2001): Londonite, a new mineral species: the Cs-dominant analogue of rhodizite from the Antandrokomby granitic pegmatite, Madagascar. *Canadian Mineralogist*, 39, 747-755.
- Simonov M A, Malinko S V, Belov N V, Kazanskaya E V, Egorov-Tismenko Yu K, Fedorenko M B, Belokoneva E L, Yamnova N A, Kuznetsova N N (1977) Hexahydroborite $\text{Ca}[\text{B}(\text{OH})_4]_2 \cdot 2\text{H}_2\text{O}$ - a new mineral. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 106(6), 691-697 (in Russian).
- Škoda, R. Novák, M., Houzar, S. (2006) Granitic NYF pegmatites of the Třebíč Pluton (Czech Republic). *Acta Musei Moraviae, Scientiae geologicae*, 91, 129–176 (in Czech with English abstract)
- Slawson, C. B. (1934) Sussexite from Iron County, Michigan: *American Mineralogist*, 19, 575-578.

- Smirnov, S.Z. (2015) The fluid regime during the magmatic evolution of rare-metal, fluorine- and boron-rich granite-pegmatite systems: petrogenetic conclusions. DSc dissertation, Novosibirsk, 556 p. (in Russian)
- Smith, R.L. (1958), Some new occurrences of sassolite in the United States: American Mineralogist: 43: 1204-1205.
- Smith, A.E. (1994) Louisiana mineral locality index. Rocks and Minerals, 69, 156-162.
- Smith, G.I. and Haines, D.V. (1964) Character and Distribution of Nonclastic Minerals in the Searles Lake Evaporite Deposit, California. U.S. Geological Survey Bulletin 1181-P.
- Smith, J.W. and Milton, C. (1966) Dawsonite in the Green River Formation of Colorado. Economic Geology, 61, 1029-1042.
- Smith, G.L., Almond, H. and Sawyer, D.L. (1958) Sassolite from the Kramer borate district, California. American Mineralogist, 43, 1068-1078.
- Sokolov, P.N. (1970) Preobrazhenskite and hilgardite from Cambrian salt deposits of the Irkutsk Amphitheater. Geologiya i Geofizika, 2, 137-142 (in Russian).
- Šrein, V., Šťastný, M., Langrová, A., Hloušek, J. (2000). Hulsite, szaibelyite and fluoborite from borate skarn of Zlatý Kopec tin deposit, NW Bohemia, Czech Republic. Acta Montana, Series A, 119, 51-56.
- Sriramguru, K; Janardhan, A S; Basava, Sharana; Basavalingu, B. (2002) Prismatine and sapphirine bearing assemblages from Rajapalaiyam area, Tamil Nadu; origin and metamorphic history. Journal of the Geological Society of India, 59(2), 103-110.
- Stanley C J, Jones G C, Rumsey M S, Blake C, Roberts A C, Stirling J A R, Carpenter G J C, Whitfield P S, Grice J D, LePage Y (2007) Jadarite, $\text{LiNaSiB}_3\text{O}_7(\text{OH})$, a new mineral species from the Jadar Basin, Serbia, European Journal of Mineralogy 19, 575-580
- Staples, L.W. (1948) The occurrence of priceite in Oregon. Northwest Science, 22, 69-77.
- Starikova, E.V. and Zavileisky, D.I. (2010) Geological setting and mineral composition of Famennian manganese ores in the Lemva zone of Pai-Khoi: Evidence from ore occurrences of the Nizhny Silov group. Lithology and Mineral Resources, 45(4). 341-357.

- Staute H (1884) Pinnoit, ein neues Borat von Stassfurt. Berichte der Deutschen Chemischen Gesellschaft 17, 1584-1586.
- Stewart, F.H. (1963) The Permian Lower Evaporites of Fordon in Yorkshire. Proceedings of the Yorkshire Geological Society, 34(1), 1-44.
- Stewart, F.H., Chalmers, R.A. and Phillips, R.(1954) Veatchite from the Permian evaporites of Yorkshire. Mineralogical Magazine, 30, 389-392.
- Stoicovici, E. And Stoici, S.D. (1969) Contributions to the study of the boron mineralization from the upper basin of Crişal Negru (Băiţa-Bihor). Studia Univ. Babes-Bolyai. Geol.Geogr., 2, 11-24 (in Romanian, not consulted).
- Stojanović, D. (1966): Howlite from Jarandol Tertiary basin. 6th Conference of Yugoslav Geologists, Ohrid, Proceedings, III, 35-42. (in Serbian with a German abstract)
- Strunz, H. and Wilk, H. (1974) Jeremejewit als Edelstein aus SW-Afrika. Zeitschrift der Deutschen Gemmologischen Gesellschaft, 23, 142-150.
- Sugavanam, E.B., Gopalakrishnan, K., Selvan, T.A. Venkata Rao, V. and others (1977) Excursion Guide. Geology of high-grade gneiss-granulite terrains (mobile belt) of Tamil Nadu and gneiss-high-grade schist-granite belts (craton) of Karnataka. IGCP Project 92: Archaean Geochemistry, 47 p.
- Sunde, Ø., Selbekk, R.S., Friis, H. and Andersen, T. (2013): Bakstevalåsen, en unik Be-Sn-B pegmatitt. Norsk Bergverksmuseum Skrift, 50, 43-48
- Switzer G (1938) Veatchite, a new calcium borate from Lang, California, American Mineralogist 23, 409-411.
- Takada, M. and Toshiro Okada, T. (2010) Morphology of hellandite from a druse in pegmatite, Okue-Yama, Nobeoka, Miyazaki Prefecture. Pegmatite, 100, 14-17 (in Japanese)
- Takada, M., Kusachi, I., Kishi, S., Tanabe, M. and Yasuda, T. (2006) A crystalline form of borcarite from the Fuka Mine, Okayama Prefecture, Japan. Journal of Mineralogical and Petrological Sciences, 101, 285-288.
- Tan M-J, Lee H-C (1988) Discovery of grandidierite in China. Geol Sci Technol Information 7(1):30 (in Chinese)

- Teertstra, D.K., Černý, P. and Ottolini, L. (1999) Stranger in paradise: liddicoatite from the High Grade Dike pegmatite, southeastern Manitoba, Canada. *European Journal of Mineralogy*, 11, 227-235,
- Themelis, T. (2008) *Gems & Mines of Mogôk*. T. Themelis, ISBN 0940965-30-5.
- Thomas, R. and Davidson, P. (2010) Hambergite-rich melt inclusions in morganite crystals from the Muiane pegmatite, Mozambique and some remarks on the paragenesis of hambergite. *Mineralogy and Petrology*, 100, 227-239.
- Thomas, R. and Davidson, P. (2012) The application of Raman spectroscopy in the study of fluid and melt inclusions. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*, 163/2, 113-126.
- Thomas, R., Davidson P, Hahn A (2008) Ramanite-(Cs) and ramanite-(Rb): New cesium and rubidium pentaborate tetrahydrate minerals identified with Raman spectroscopy. *American Mineralogist* 93 (2008) 1034-1042.
- Thomas, R., Davidson P, Badanina, E. (2009) A melt and fluid inclusion assemblage in beryl from pegmatite in the Orlovka amazonite granite, East Transbaikalia, Russia: implications for pegmatite-forming melt systems. *Mineralogy and Petrology*, 96, 129-140.
- Thomas, R., Davidson P, Beurlen, H. (2012a) The competing models for the origin and internal evolution of granitic pegmatites in the light of melt and fluid inclusion research. *Mineralogy and Petrology*, 106, 55-73.
- Thomas, R., Davidson P, Badanina, E. (2012b) Water- and boron-rich melt inclusions in quartz from the Malkhan Pegmatite, Transbaikalia, Russia. *Minerals*, 2, 435-458.
- Tilley C E (1951) The zoned contact-skarns of the Broadford area, Skye: a study of boron-fluorine metasomatism in dolomites. *Mineralogical Magazine* 29, 621-666.
- Tindle, A.G. (2008) *Minerals of Britain and Ireland*. Terra Publishing, Harpenden, Hertfordshire, 616 p.
- Tindle, A. G., Selway, J. B. and Breaks, F. W. (2005) Liddicoatite and associated species from the McCombe spodumene-subtype rare-element granitic pegmatite, northwestern Ontario, Canada. *Canadian Mineralogist* 43, 769-793.

- Tsoy, Y.-Kh., Se, S.D., Tsyann, Ts.Ts. and Liu, L.B. (1964) Preliminary communication on the find of a new hydrous borate of magnesium — hungchaoite $\text{MgO} \cdot \text{B}_2\text{O}_3 \cdot 9\text{H}_2\text{O}$ in China. *Scientia Sinica*, 13(3), 525-527.
- Uher, P., Bačík, P., Ozdín, D. (2009) Tourmaline (magnesiofoitite and dravite) in quartz vein near Limbach, Malé Karpaty Mts. (Slovakia). *Mineralia Slovaca*, 41, 445-456 (in Slovak with English abstract).
- Utekhin, G.M.. (1960) A find of fluoborite in eastern Transbaikalia. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 89(6), 718-720 (in Russian).
- Vakhrameyeva, V.A. and Voronova, M.L. (1960) Lüneburgite from Kara-Bolad-God and Uzdnu-Su. *Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Galurgii*, 40, 330-336 (in Russian).
- Vakhrushev, V.A. (1960) Mineralogy and genesis of iron ores of the Beloretskoye deposit in the Altai. *Izdatel'stvo Sibirskogo Otdeleniya Akademii Nauk SSSR*, 54 (in Russian, not consulted).
- Vallance TG (1966) A contact metamorphic axinite paragenesis at London Bridge, near Queanbeyan, N.S.W. *Journal and Proceedings of the Royal Society of New South Wales* (WR Browne vol), 99:57-67.
- van Bergen MJ (1980) Grandidierite from aluminous metasedimentary xenoliths within acid volcanics, a first record in Italy. *Mineral Mag* 43:651-658
- van der Wel D (1973) Kornerupine: a mineral new to Norway. *Contribution to the mineralogy of Norway*, No. 53. *Norsk Geol Tidsskrift* 53:349-357.
- Vasilkova, N.N. (1962) A new calcium borate – sibirskite. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva* 91, 455-464 (in Russian)
- Visser D (1995) Kornerupine in a biotite-spinel-garnet schist near Bøylefossbru, Bamble Sector, south Norway: implications for early and late metamorphic fluid activity. *N Jahrb Mineral Abh* 169:1-34

- Visser, D. and Senior, A. (1990) Aluminous reaction textures in orthoamphibole bearing rocks: the pressure - temperature evolution of the high grade Proterozoic of the Bamble sector, south Norway. *Journal of Metamorphic Geology*, 8. 231-246
- Visser, D., Nijland, T.G., Maijer, C. (1991) Orthopyroxene-cordierite-garnet-kornerupine-albite-bearing metaevaporites intercalated with enderbitic gneisses at Faervik School, Tromøya. Excursion Log to the 2nd SNF Workshop, Bamble 1991, p 60-64
- Vlisidis, A.C. and Schaller, W.T. (1974) The identity of paigeite with vonsenite and chemical analyses of vonsenite, ludwigite, and hulsite. *Neues Jahrbuch für Mineralogie Monatshefte*, 1974, 3/4, 95-105
- Voloshin, A.V., Gordienko, V.V., Gel'man, Ye.M., Zorina, M.L., Yelina, N.A., Kul'chitskaya, Ye.A., Men'shikov, Yu.P., Polezhayeva, L.I., Ryzhova, R.I., Sokolov, P.B. and Utochkina, G.I. (1977) Holtite (first find in the USSR) and its relationship with other tantalum minerals in rare-metal pegmatites. *Zapiski Vsesoyuznogo Mineralogicheskogo Obshchestva*, 106(3), 337-347 (in Russian).
- von Knorring O, Sahama TG, Lehtinen M (1969a) A note on grandidierite from Fort Dauphin, Madagascar. *Bull Geol Soc Finland* 41:71-74.
- von Knorring O, Sahama TG, Lehtinen M (1969b) Kornerupine-bearing gneiss from Inanakafy near Betroka, Madagascar. *Bull Geol Soc Finland* 41:79-84
- Von Bezing, K. L., Dixon, R.D., Pohl, D. and Cavallo, G. (1991) The Kalahari manganese field: an update, *Mineralogical Record*, 22 (3), 279-302
- Vrána S (1979) A polymetamorphic assemblage of grandidierite, kornerupine, Ti-rich dumortierite, tourmaline, sillimanite, and garnet. *N Jahrb Mineral Mh* 1979(1):22-33
- Vrána S, Barr MWC (1972) Talc-kyanite-quartz schists and other high-pressure assemblages from Zambia. *Mineral Mag* 38:837-846.
- Vry JK (1994) Boron-free kornerupine from the Reynolds Range, Arunta Block, central Australia. *Mineral Mag* 58:27-37

- Vry JK, Cartwright I (1994) Sapphirine-kornerupine rocks from the Reynolds Range, central Australia: constraints on the uplift history of a Proterozoic low pressure terrain. *Contrib Mineral Petrol* 116:78-91
- Wachowiak, J. and Pieczka, A. (2012) Congolite and trembathite from the Kłodawa salt mine, Central Poland: Records of the thermal history of the parental salt dome. *Canadian Mineralogist*, 50, 1387-1399.
- Walenta, K., and Dunn, P.J. (1979) Ferridravite, a new mineral of the tourmaline group from Bolivia. *American Mineralogist*, 64,945-948.
- Wang S (1983) Some problems concerning geochemistry of the Dading tin-iron ore deposits. *Bull Inst Mineral Deposits, Chinese Acad Geol Sci* 9:72 p (in Chinese)
- Warren RG, McColl DH (1983) Occurrences of boron-bearing kornerupine in the western Harts Range and near Mount Baldwin, Arunta Block, central Australia. *Bur Mineral Resources J Austral Geol Geophys* 8:93-96
- Watanabe, T. (1939) Kotoit, ein neues gesteinsbildendes Magnesiumborat. *Mineralogische und Petrographische Mitteilungen*, 50(6), 441-463.
- Watanabe T (1953) Suanite, a new magnesium borate mineral from Hol Kol, Suan, North Korea, *Mineralogical Journal* 1, 54-62.
- Watanabe T (1954) On the occurrence of warwickite $(\text{Mg, Fe})_3\text{TiB}_2\text{O}_8$ at Hol Kol, North Korea: a study of boron metasomatism. *Journal of the Faculty of Science, University of Tokyo*, 9, part 2, 337-344.
- Watanabe, T. (1967) On 'kotoite' and 'suanite'. In *Geology and mineral resources of the Far East*, Vol. 1, Japan, p. 236-267.
- Watanabe, T., Kato, A. and Katsura, T. (1963a) Kotoite, $\text{Mg}_3(\text{BO}_3)_2$ from the Neichi Mine, Iwate Prefecture, Japan. *Proceedings of the Japan Academy*, 39(3), 164-169.
- Watanabe, T., Kato, A., Matsumoto, T. and Ito, J. (1963b) Jimboite, $\text{Mn}_3(\text{BO}_3)_2$, a new mineral from the Kaso mine, Tochigi Prefecture, Japan. *Proceedings of the Japan Academy* 39, 170-175

- Watanabe, T., Yui, S. and Kato, A. (1970) Bedded manganese deposits in Japan, a Review. In Tatsumi, T. (ed) *Volcanism and Ore Genesis*. University Press, Tokyo, p. 119–142.
- Waters DJ, Moore JM (1985) Kornerupine in Mg--Al-rich gneisses from Namaqualand, South Africa: mineralogy and evidence for late-metamorphic fluid activity. *Contrib Mineral Petrol* 91:369-382
- Wei, D. (1985) Lueneburgite, a Mg—P borate, discovered from a mirabilite deposit in Shansi, China. *Acta Petrologica Mineralogica et Analytica*, 4(4), 313-318.
- Wei, M., Wang, F. and Yin, C. (1982) Nordenskiöldine discovered in China and its formation conditions. *Acta Mineralogica Sinica*, 4, 262-266 (in Chinese with English abstract).
- Weibye P H, Berlin N J, Sjogren K A, Borck J B (1950) Neue mineralien aus Norwegen. *Annalen der Physik und Chemie* 79, 299-304.
- Wendling E, Hodenberg R V, Kühn R (1972) Congolit, der trigonale eisenboracit, Kali und Steinsalz 6, 1-3.
- Weng, J.-T. (1977): New data of fluorborite. *Acta Geologica Sinica*, 51(2), 168-173 (in Chinese with English abstract).
- Westgate, L.G. and Knopf, A. (1932) *Geology and ore deposits of the Pioche district, Nevada*. U.S. Geological Survey Professional Paper 171, 75 p.
- Wight, Q. and Chao, G.Y. (1995) Mont Saint-Hilaire Revisited. Part II. *Rocks & Minerals*. 70(2), 90-103, 131-138.
- Wilson AF (1978) Large crystals of kornerupine from a new locality in the granulites of the Strangways Range, central Australia. *Neues Jahrbuch für Mineralogie Monatshefte*, 1978 (6), 249-256.
- Wilson, W.E., Johnston, C.L. and Swoboda, E.R. (2002) Jeremejevite from Namibia. *Mineralogical Record*, 33(4), 289-301.
- Williams, P.A., Hatert, F., Pasero, M., and Mills, S.J. (2009) New Minerals approved in 2009. Nomenclature modifications approved by the Commission on New Minerals, Nomenclature and Classification International Mineralogical Association <http://www.ima-mineralogy.org/index.htm> or <http://nrmima.nrm.se//>

- Windley BF, Ackermann D, Herd RK (1984) Sapphirine/kornerupine-bearing rocks and crustal uplift history of the Limpopo belt, Southern Africa. *Contrib Mineral Petrol* 86:342-358
- Woodford, D.T. (1995) Boron metasomatism in the Alta stock contact aureole, Utah. M.A. Thesis, Houston, Texas, Rice University, 157 p (not consulted).
- Woodford, D.T., Sisson, V.B. Leeman, W.P. (2001) Boron metasomatism of the Alta stock contact aureole, Utah: Evidence from borates, mineral chemistry, and geochemistry. *American Mineralogist*, 86, 513-533.
- Woodford PJ, Wilson AF (1976a) Sapphirine, h  gbomite, kornerupine, and surinamite from aluminous granulites, north-eastern Strangways Range, central Australia. *Neues Jahrbuch f  r Mineralogie Monatshefte*, 1976 (1), 15-35.
- Woodford PJ, Wilson AF (1976b) Kornerupine in metasomatic zones, Strangways Range, central Australia. *Mineralogical Magazine*, 40, 589-594.
- Xie, X., Liu, L. And Ma, Y. (1963) The inyoite crystal of China. *Scientia Geologica Sinica*, 4, 217-222 (in Chinese).
- Yakovleva, M.Ye. and Osolodkina, G.A. (1966) Tourmaline. *Trudy Mineralogicheskogo Muzeya Akademii Nauk SSSR*, issue 17 (in Russian; not consulted).
- Yang, G., Peng, Z., Pan, Z. (1985) Magnesiohulsite-A new tin-rich borate mineral. *Acta Mineral Sinica* 5:97-101 (In Chinese)
- Yang, Q. (1989) Borate deposits in Qaidam Basin. *Acta Sedimentologica Sinica*, 7(2), 117-123.
- Yang, S. and Fu, G. (1983) Discovery of the hulsite from Houziya, Lugu, Sichuan Province and its significance. *Bulletin of the Chengdu Institute of Geology and Mineral Resources, Chinese Academy of Geological Sciences*, 1983(4), 51-56 (in Chinese with an English abstract).
- Yang, S. (1991): Saline deposits and minerals of salt lakes in Qinghai-Xizang plateau. *Journal of Lake Sciences* 3(1), 1-10 (in Chinese with English abstract).
- Yang G, Peng Z, Pan Z (1985) Magnesiohulsite—A new tin-rich borate mineral, *Acta Mineralogica Sinica*, 5, 97-101 (in Chinese with English abstract).

- Yang, S. and Zheng, X. (1985) The components of the saline lake in Xizang and approach to their origin. *Chinese Journal of Oceanology and Limnology*, 3(2), 251-264.
- Yaroshchuk MA, Dovgan' RN, Ivantishina OM, Baranova YeI (1990) Serendibite from rocks of the Bug River area of the Ukrainian shield. *Mineralogicheskiy Zhurnal* 12(6):75-78 (in Russian)
- Yarzhemskii Y Y (1952) Kurgantaite - a new borate mineral. *Mineralogicheskii Sbornik* 6, 169-174.
- Yarzhemskii, Ya. Ya. (1956) Preobrazhenskite - a new borate of the saliferous strata of the Inder uplift. *Doklady Akademii Nauk SSSR* 111, 1087-1090.
- Yarzhemskii, Ya.Ya. (1958) Problems of investigation of the boron raw materials in salt series of the USSR. *Sovetskaya Geologiya*, 1958(7), 3-14 (in Russian).
- Yarzhemskii, Ya.Ya. (1969) Formation conditions of strontium hilgardite and danburite in the lower Cambrian saliferous deposits of eastern Siberia. *Lithology and Mineral Resources*, 5, 140-148 (in Russian; English translation: p. 634-640).
- Yawn, B., Simmons, W.B. and Falster, A.U. (1997) Chemical zonation in chambersite and boracite from salt domes in the Gulf Coast region. *Rocks & Minerals*, 72, 192 (abstract).
- Yedovin, Yu.S. and Utekhin, G.M. (1962) Fluoborite from Central Asia. *Akademii Nauk, SSSR Doklady Earth Science Sections*, 142(3), 121-123
- Yefimov, A.F. and Katayev, Z.T. (1959) First find of leucosphenite in the USSR. *Doklady Akademii Nauk SSSR*, 129(4), 896-899.
- Yefimov A F, Dusmatov V D, Alkhazov V Yu, Pudovkina Z G, Kazakova M Ye. (1970) Tadzhikite, a new borosilicate of the rare earths of the hellandite group, *Doklady Akademii Nauk SSSR* 195, 1190-1193 (in Russian. English translation, *Doklady of the Academy of Sciences of the U.S.S.R., Earth Science Sections*, 195, 136-139).
- Yeremenko, G.K. (2003) Hellandite-(Y) from granites of Afghanistan. *Mineralogicheskiy Journal*, 25(4), 61-64 (in Russian with English summary).
- Young DA (1995) Kornerupine-group minerals in Grenville granulite-facies paragneiss, Reading Prong, New Jersey. *Can Mineral* 33:1255-1262.

- Zagorsky, V.Ye. and Peretyazhko, I.S. (2008) The Malkhan gem tourmaline deposit in Transbaikalia, Russia, *Mineral Observer: Mineral News from Russia and Beyond. Mineralogical Almanac*, 13b, 4–39.
- Zagorsky V. Ye., Peretyazhko I.S., Schiryevna V.A., Bogdanova L.A. (1989) Tourmalines from miarolitic pegmatites in the Malkhan Range (Transbaikalia). *Mineralogicheskii Zhurnal*, 11(5), 44–55 (in Russian).
- Zagorsky, V.Ye., Peretyazhko, I.S. and Sapozhnikov, A.N. (1998) Boron-rich micas and chlorites from miarolitic pegmatites. *Zapiski Vserossiiskogo Mineralogicheskogo Obshchestva*, 127, 55-68.
- Zambonini F (1926) Sulla presenza, tra i prodotti dell' attuale attivita del Vesuvio, di una varietà cesifera del fluoborato di potassio, (On the presence, among the products of Vesuvius, of a caesium-bearing variety of potassium fluoborate). *Accademia Nazionale del Lincei, Classe di Scienze Fische, Matematiche e Naturali, Rendiconti*, Roma 3, 644-649.
- Zambonini, F. (1936): *Mineralogia Vesuviana*. Second Edition. *Atti della Reale Accademia delle Scienze fisiche e matematiche di Napoli*, Supplemento al volume 20, Serie 2, 463 p.
- Zang, J.. (1994) Madagascar's neue Konkurrenz: Zonierte Turmaline aus Sanga-Sanga, Tansania. *extraLapis* No. 6, Turmalin, pp. 40–43.
- Zaritskiy, P.V. (1963) Boron mineralization in the Artemovka Formation in the Bakhmuta Depression of the Donets Basin. *Doklady Akademii Nauk*, 149, 1424-1427 (in Russian, English translation: *Doklay Earth Science Sections*, 149, 157-159, 1965).
- Zatkhey, R.A. and Khmelevskiy, V.A. (1982) Ekaterinite of Yakutia kimberlites. *Mineralogicheskii Zhurnal*, 4(5), 70-75 (in Russian).
- Zavaritskiy, A.I. (1935) Avacha Volcano and its condition in the summer of 1931. *Trudy TsNIGRI*, issue 35 (in Russian; not consulted)
- Zav'yalova IV, Vartanova NS, Arkhipenko DK, Grigor'yeva TN, Solotchina EP (1973) A find of grandidierite in western Trans-Baikal. *Doklady Akad Nauk SSSR* 213:926-929 (in Russian)
- Zav'yalova IV, Arkhipenko DK, Usova LV (1976) Grandidierite from western Trans-Baikal. *Materialy po geneticheskoy i eksperimental'noy mineralologii*, tom 10, *Trudy Instituta*

- Geologii i Geofiziki, Vypusk 305, p 154-159 Siberian Division Nauka, Novosibirsk (in Russian)
- Zhang, D. and Wang, L. (1986) Metasomatism and zonation of the Xianghualong tin–polymetallic deposit. Bulletin of the Institute of Mineral Deposits, Chinese Academy of Geological Sciences, 1986(2), 144-154 (in Chinese with English abstract).
- Zhang, Q. (1988) Early Proterozoic tectonic styles and associated mineral deposits of the North China platform: Precambrian Research, 39, 1–29.
- Zhang, Q., Liu, L., Chen, L.. (1988) The discovery of stillwelite in Wengquangou boron deposits, Fengcheng, Liaoning In Selected papers of Zhang Qiusheng, Jilin, China (CHN): Jilin Science and Technology, December 1988, p. 67-73 (in Chinese)
- Zheng, M. and Liu, W. (1982) The discovery of a lithium-rich magnesian borate deposit in Xizang (Tibet) Di Zhi Lun Ping = Geological Review. 28(3), 263-266 (in Chinese with English abstract).
- Zheng, M.P., Qi, W., and Yuan, H.-R. (2005) Characteristics of salt lake boron deposits and magnesium borate deposits of the Qinghai-Tibet Plateau, China. In Mineral Deposit Research: Meeting the Global Challenge, pp. 1123-1125. Springer Berlin Heidelberg.
- Zheng, X. and Yu, S. (1981): Formation of the salt lakes resources and its utilization on the Xizang plateau. Scientia Geographica Sinica 1(1), 66-76 (in Chinese with English abstract).
- Zheng, M., Qi, W. and Yuan, H.-R. (2005) Characteristics of salt lake boron deposits and magnesium borate deposits of the Qinghai-Tibet Plateau, China. Chapter 9-66. In Jingwen Mao, Frank P. Bierlein (eds.) Mineral Deposit Research: Meeting the Global Challenge. Proceedings of the Eighth Biennial Society for Geology Applied to Mineral Deposits Meeting, Beijing, China, 18 - 21 August, 2005, 8(2), 1123-1125.
- Zhou, J. and Lu, J. (1981) Mineralogical investigation of hulsite and its significance. Acta Mineralogica Sinica, 1, 190-199 (in Chinese with English abstract).
- Zhivković M. and Stojanović, D (1976) Searlesite in sediment magnesite at Kremna near Titovo Uzhice. Zapisnitsi Srpskog Geoloskog Drushtva za 1975. i 1976. Godiny, 301-311 (in Serbian with English abstract).

- Žitňan, J, Koděra, P. and Uher, P. (2011) Characteristics of advanced argillic alteration at Biely Vrch and Kalinka localities, Javorie stratovolcano, Slovakia. In Mineral resources for the society, SGA Student Conference Prague, April 15 19, 2011, Abstract Volume and Field trip Guidebook, p. 32.
- Zolotarev, A A; Dzhurayev, Z T; Pekov, I V; Mikhaylova, K V. (2000) Jeremejevite from pegmatite veins of the eastern Pamirs. Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva, 129, 64-70 (in Russian with English abstract).