

Leonid V Danyushevsky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9120586/publications.pdf>

Version: 2024-02-01

165
papers

15,033
citations

17440

63
h-index

18130

120
g-index

171
all docs

171
docs citations

171
times ranked

6619
citing authors

#	ARTICLE	IF	CITATIONS
1	The amount of recycled crust in sources of mantle-derived melts. <i>Science</i> , 2007, 316, 412-7.	12.6	822
2	Gold and Trace Element Zonation in Pyrite Using a Laser Imaging Technique: Implications for the Timing of Gold in Orogenic and Carlin-Style Sediment-Hosted Deposits. <i>Economic Geology</i> , 2009, 104, 635-668.	3.8	748
3	Trace and minor elements in sphalerite: A LA-ICPMS study. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4761-4791.	3.9	581
4	MPI-DING reference glasses for in situ microanalysis: New reference values for element concentrations and isotope ratios. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	563
5	The Amount of Recycled Crust in Sources of Mantle-Derived Melts. <i>Science</i> , 2007, 316, 412-417.	12.6	470
6	Multistage Sedimentary and Metamorphic Origin of Pyrite and Gold in the Giant Sukhoi Log Deposit, Lena Gold Province, Russia. <i>Economic Geology</i> , 2007, 102, 1233-1267.	3.8	457
7	Petrolog3: Integrated software for modeling crystallization processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	2.5	431
8	Re-equilibration of melt inclusions trapped by magnesian olivine phenocrysts from subduction-related magmas: petrological implications. <i>Contributions To Mineralogy and Petrology</i> , 2000, 138, 68-83.	3.1	384
9	Trace element content of sedimentary pyrite as a new proxy for deep-time ocean-atmosphere evolution. <i>Earth and Planetary Science Letters</i> , 2014, 389, 209-220.	4.4	384
10	Experimental and petrological studies of melt inclusions in phenocrysts from mantle-derived magmas: an overview of techniques, advantages and complications. <i>Chemical Geology</i> , 2002, 183, 5-24.	3.3	372
11	Trace and minor elements in sphalerite from base metal deposits in South China: A LA-ICPMS study. <i>Ore Geology Reviews</i> , 2011, 39, 188-217.	2.7	327
12	Melting of Refractory Mantle at 1.5, 2 and 2.5 GPa under Anhydrous and H ₂ O-undersaturated Conditions: Implications for the Petrogenesis of High-Ca Boninites and the Influence of Subduction Components on Mantle Melting. <i>Journal of Petrology</i> , 2000, 41, 257-283.	2.8	326
13	Petrology and Geochemistry of Boninites from the North Termination of the Tonga Trench: Constraints on the Generation Conditions of Primary High-Ca Boninite Magmas. <i>Journal of Petrology</i> , 1994, 35, 1183-1211.	2.8	316
14	Trace Element Content of Sedimentary Pyrite in Black Shales. <i>Economic Geology</i> , 2015, 110, 1389-1410.	3.8	307
15	The effect of small amounts of H ₂ O on crystallisation of mid-ocean ridge and backarc basin magmas. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 110, 265-280.	2.1	294
16	Study of Trace Element Zonation in Vent Chimneys from the Silurian Yaman-Kasy Volcanic-Hosted Massive Sulfide Deposit (Southern Urals, Russia) Using Laser Ablation-Inductively Coupled Plasma Mass Spectrometry (LA-ICPMS). <i>Economic Geology</i> , 2009, 104, 1111-1141.	3.8	267
17	An experimental study of the effects of melt composition on plagioclase-melt equilibria at 5 and 10 kbar: implications for the origin of magmatic high-An plagioclase. <i>Contributions To Mineralogy and Petrology</i> , 1995, 118, 420-432.	3.1	251
18	Kimberlite melts rich in alkali chlorides and carbonates: A potent metasomatic agent in the mantle. <i>Geology</i> , 2004, 32, 845.	4.4	229

#	ARTICLE	IF	CITATIONS
19	Oxygen isotope evidence for slab melting in modern and ancient subduction zones. <i>Earth and Planetary Science Letters</i> , 2005, 235, 480-496.	4.4	217
20	Routine quantitative multi-element analysis of sulphide minerals by laser ablation ICP-MS: Standard development and consideration of matrix effects. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2011, 11, 51-60.	0.9	211
21	Relationships Between Gold and Pyrite at the Xincheng Gold Deposit, Jiaodong Peninsula, China: Implications for Gold Source and Deposition in a Brittle Epizonal Environment. <i>Economic Geology</i> , 2016, 111, 105-126.	3.8	202
22	Oxidation state of iron in komatiitic melt inclusions indicates hot Archaean mantle. <i>Nature</i> , 2008, 455, 960-963.	27.8	180
23	Partitioning of elements between silicate melt and immiscible fluoride, chloride, carbonate, phosphate and sulfate melts, with implications to the origin of natrocarbonatite. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 79, 20-40.	3.9	177
24	LA-ICP-MS trace element analysis of pyrite from the Chang'an gold deposit, Sanjiang region, China: Implication for ore-forming process. <i>Gondwana Research</i> , 2014, 26, 557-575.	6.0	176
25	H ₂ O Abundance in Depleted to Moderately Enriched Mid-ocean Ridge Magmas; Part I: Incompatible Behaviour, Implications for Mantle Storage, and Origin of Regional Variations. <i>Journal of Petrology</i> , 2000, 41, 1329-1364.	2.8	167
26	Age and pyrite Pb-isotopic composition of the giant Sukhoi Log sediment-hosted gold deposit, Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2377-2391.	3.9	151
27	Seawater cycled throughout Earth's mantle in partially serpentinized lithosphere. <i>Nature Geoscience</i> , 2017, 10, 222-228.	12.9	139
28	Boninites and Adakites from the Northern Termination of the Tonga Trench: Implications for Adakite Petrogenesis. <i>Journal of Petrology</i> , 2007, 49, 697-715.	2.8	137
29	Melt Inclusions in Olivine Phenocrysts: Using Diffusive Re-equilibration to Determine the Cooling History of a Crystal, with Implications for the Origin of Olivine-phyric Volcanic Rocks. <i>Journal of Petrology</i> , 2002, 43, 1651-1671.	2.8	136
30	Melt Inclusions in Primitive Olivine Phenocrysts: the Role of Localized Reaction Processes in the Origin of Anomalous Compositions. <i>Journal of Petrology</i> , 2004, 45, 2531-2553.	2.8	136
31	Peridotite Melting at 1.0 and 1.5 GPa: an Experimental Evaluation of Techniques using Diamond Aggregates and Mineral Mixes for Determination of Near-solidus Melts. <i>Journal of Petrology</i> , 1999, 40, 1343-1375.	2.8	133
32	The H ₂ O content of basalt glasses from Southwest Pacific back-arc basins. <i>Earth and Planetary Science Letters</i> , 1993, 117, 347-362.	4.4	132
33	Geology and genesis of the giant Beiya porphyry-skarn gold deposit, northwestern Yangtze Block, China. <i>Ore Geology Reviews</i> , 2015, 70, 457-485.	2.7	132
34	Mineralogy and trace-element geochemistry of sulfide minerals in hydrothermal chimneys from the Upper-Cretaceous VMS deposits of the eastern Pontide orogenic belt (NE Turkey). <i>Ore Geology Reviews</i> , 2014, 63, 129-149.	2.7	126
35	Minor and trace elements in bornite and associated Cu-(Fe)-sulfides: A LA-ICP-MS study Bornite mineral chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6473-6496.	3.9	118
36	Cycles of nutrient trace elements in the Phanerozoic ocean. <i>Gondwana Research</i> , 2015, 28, 1282-1293.	6.0	112

#	ARTICLE	IF	CITATIONS
37	Immiscible silicate liquid partition coefficients: implications for crystal-melt element partitioning and basalt petrogenesis. <i>Contributions To Mineralogy and Petrology</i> , 2006, 152, 685-702.	3.1	109
38	Pyrite compositions from VHMS and orogenic Au deposits in the Yilgarn Craton, Western Australia: Implications for gold and copper exploration. <i>Ore Geology Reviews</i> , 2016, 79, 474-499.	2.7	108
39	“Invisible gold” in bismuth chalcogenides. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1970-1999.	3.9	106
40	Multiple mantle plume components involved in the petrogenesis of subduction-related lavas from the northern termination of the Tonga Arc and northern Lau Basin: Evidence from the geochemistry of arc and backarc submarine volcanics. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, .	2.5	105
41	Optimisation of laser parameters for the analysis of sulphur isotopes in sulphide minerals by laser ablation ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1042-1051.	3.0	96
42	Chimneys in Paleozoic massive sulfide mounds of the Urals VMS deposits: Mineral and trace element comparison with modern black, grey, white and clear smokers. <i>Ore Geology Reviews</i> , 2017, 85, 64-106.	2.7	90
43	Crustal origin for coupled 'ultra-depleted' and 'plagioclase' signatures in MORB olivine-hosted melt inclusions: evidence from the Siqueiros Transform Fault, East Pacific Rise. <i>Contributions To Mineralogy and Petrology</i> , 2003, 144, 619-637.	3.1	86
44	Trace Element Content of Pyrite from the Kapaï Slate, St. Ives Gold District, Western Australia. <i>Economic Geology</i> , 2016, 111, 1297-1320.	3.8	86
45	Impact of air, laser pulse width and fluence on U-Pb dating of zircons by LA-ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 221-230.	3.0	84
46	A model for carbonatite hosted REE mineralisation in the Mianning-Dechang REE belt, Western Sichuan Province, China. <i>Ore Geology Reviews</i> , 2015, 70, 595-612.	2.7	83
47	Peridotite Melting at 1 GPa: Reversal Experiments on Partial Melt Compositions Produced by Peridotite-Basalt Sandwich Experiments. <i>Journal of Petrology</i> , 2001, 42, 2363-2390.	2.8	80
48	North Tongan high-Ca boninite petrogenesis: The role of samoan plume and subduction zone-transform fault transition. <i>Journal of Geodynamics</i> , 1995, 20, 219-241.	1.6	78
49	The Composition of Near-solidus Partial Melts of Fertile Peridotite at 1 and 1.5 GPa: Implications for the Petrogenesis of MORB. <i>Journal of Petrology</i> , 2008, 49, 591-613.	2.8	78
50	The application of olivine geothermometry to infer crystallization temperatures of parental liquids: Implications for the temperature of MORB magmas. <i>Chemical Geology</i> , 2007, 241, 207-233.	3.3	77
51	New Olivine Reference Material for <i>In Situ</i> Microanalysis. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 453-473.	3.1	77
52	Indium mineralisation in A-type granites in southeastern Finland: Insights into mineralogy and partitioning between coexisting minerals. <i>Chemical Geology</i> , 2011, 284, 62-73.	3.3	76
53	In situ Pb-isotope analysis of pyrite by laser ablation (multi-collector and quadrupole) ICPMS. <i>Chemical Geology</i> , 2009, 262, 344-354.	3.3	74
54	Atmosphere oxygen cycling through the Proterozoic and Phanerozoic. <i>Mineralium Deposita</i> , 2019, 54, 485-506.	4.1	73

#	ARTICLE	IF	CITATIONS
55	Gold in the oceans through time. <i>Earth and Planetary Science Letters</i> , 2015, 428, 139-150.	4.4	72
56	Geochemical Evolution of the Banded Iron Formation-Hosted High-Grade Iron Ore System in the Koolyanobbing Greenstone Belt, Western Australia. <i>Economic Geology</i> , 2012, 107, 599-644.	3.8	71
57	Matrix effects in Pb/U measurements during LA-ICP-MS analysis of the mineral apatite. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1206-1215.	3.0	71
58	Synsedimentary to Early Diagenetic Gold in Black Shale-Hosted Pyrite Nodules at the Golden Mile Deposit, Kalgoorlie, Western Australia. <i>Economic Geology</i> , 2015, 110, 1157-1191.	3.8	70
59	Structural, lithological, and geochemical constraints on the dynamic magma plumbing system of the Jinchuan Ni-Cu sulfide deposit, NW China. <i>Mineralium Deposita</i> , 2012, 47, 277-297.	4.1	69
60	Modeling Solubility of Fe-Ni Sulfides in Basaltic Magmas: The Effect of Nickel. <i>Economic Geology</i> , 2013, 108, 1983-2003.	3.8	69
61	Volatile Evolution of Magma Associated with the Solchiaro Eruption in the Phlegrean Volcanic District (Italy). <i>Journal of Petrology</i> , 2011, 52, 2431-2460.	2.8	68
62	Evidence for an Intrabasinal Source and Multiple Concentration Processes in the Formation of the Carbon Leader Reef, Witwatersrand Supergroup, South Africa. <i>Economic Geology</i> , 2013, 108, 1215-1241.	3.8	63
63	The Boring Billion, a slingshot for Complex Life on Earth. <i>Scientific Reports</i> , 2018, 8, 4432.	3.3	63
64	High-Mg andesites from the southern termination of the New Hebrides island arc (SW Pacific). <i>Journal of Volcanology and Geothermal Research</i> , 1993, 57, 193-217.	2.1	62
65	Trace element heterogeneity in molybdenite fingerprints stages of mineralization. <i>Chemical Geology</i> , 2013, 347, 175-189.	3.3	62
66	Extensive volcanoclastic deposits at the Mid-Atlantic Ridge axis: results of deep-water basaltic explosive volcanic activity?. <i>Terra Nova</i> , 1998, 10, 280-286.	2.1	59
67	Coexistence of two distinct mantle sources during formation of ophiolites: a case study of primitive pillow-lavas from the lowest part of the volcanic section of the Troodos Ophiolite, Cyprus. <i>Contributions To Mineralogy and Petrology</i> , 1997, 128, 287-301.	3.1	56
68	High-Mg adakites from Kadavu Island Group, Fiji, southwest Pacific: Evidence for the mantle origin of adakite parental melts. <i>Geology</i> , 2008, 36, 499.	4.4	55
69	Barite-rich massive sulfides from the Semenov-1 hydrothermal field (Mid-Atlantic Ridge, 13°30.87' N): Evidence for phase separation and magmatic input. <i>Marine Geology</i> , 2014, 349, 37-54.	2.1	54
70	Estimation of the pressure of crystallization and H ₂ O content of MORB and BABB glasses: calibration of an empirical technique. <i>Mineralogy and Petrology</i> , 1996, 57, 185-204.	1.1	53
71	A Comparative Study of Five Reference Materials and the Lombard Meteorite for the Determination of the Platinum-Group Elements and Gold by LA-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 51-64.	3.1	53
72	The formation mechanisms of sedimentary pyrite nodules determined by trace element and sulfur isotope microanalysis. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 53-68.	3.9	53

#	ARTICLE	IF	CITATIONS
73	Geochronology of the Dovyren intrusive complex, northwestern Baikal area, Russia, in the Neoproterozoic. <i>Geochemistry International</i> , 2013, 51, 859-875.	0.7	52
74	Subduction-related halogens (Cl, Br and I) and H ₂ O in magmatic glasses from Southwest Pacific Backarc Basins. <i>Earth and Planetary Science Letters</i> , 2014, 400, 165-176.	4.4	52
75	Pyrite trace element behavior in magmatic-hydrothermal environments: An LA-ICPMS imaging study. <i>Ore Geology Reviews</i> , 2021, 128, 103878.	2.7	51
76	The effect of silica contents on Pd, Pt and Rh solubilities in silicate melts: an experimental study. <i>European Journal of Mineralogy</i> , 2011, 23, 355-367.	1.3	50
77	Textures, trace elements, and Pb isotopes of sulfides from the Haopinggou vein deposit, southern North China Craton: implications for discrete Au and Ag-Pb-Zn mineralization. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	49
78	Subduction initiation terranes exposed at the front of a 2 Ma volcanically-active subduction zone. <i>Earth and Planetary Science Letters</i> , 2019, 508, 30-40.	4.4	49
79	Using Mineral Chemistry to Aid Exploration: A Case Study from the Resolution Porphyry Cu-Mo Deposit, Arizona. <i>Economic Geology</i> , 2020, 115, 813-840.	3.8	48
80	Fractionation of sulphur relative to iron during laser ablation-ICP-MS analyses of sulphide minerals: implications for quantification. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1024-1033.	3.0	46
81	Primitive shoshonites from Fiji: Geochemistry and source components. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	44
82	Severe selenium depletion in the Phanerozoic oceans as a factor in three global mass extinction events. <i>Gondwana Research</i> , 2016, 36, 209-218.	6.0	44
83	Role of upper-most crustal composition in the evolution of the Precambrian ocean-atmosphere system. <i>Earth and Planetary Science Letters</i> , 2018, 487, 44-53.	4.4	43
84	Distribution and occurrence of Ge and related trace elements in sphalerite from the Lehong carbonate-hosted Zn-Pb deposit, northeastern Yunnan, China: Insights from SEM and LA-ICP-MS studies. <i>Ore Geology Reviews</i> , 2019, 115, 103175.	2.7	43
85	LA-ICP-MS analyses of trace elements in base metal sulfides from carbonate-hosted Zn-Pb deposits, South China: A case study of the Maoping deposit. <i>Ore Geology Reviews</i> , 2021, 130, 103945.	2.7	43
86	A laser ablation ICP-MS study of platinum-group and chalcophile elements in base metal sulfide minerals of the Jinchuan Ni-Cu sulfide deposit, NW China. <i>Ore Geology Reviews</i> , 2015, 65, 955-967.	2.7	41
87	Otolith chemistry reveals fine population structure and close affinity to the Pacific and Atlantic oceanic spawning grounds in the migratory southern blue whiting (<i>Micromesistius australis</i>) Tj ETQq1 1 0.784314 igBT /Overlock 10		
88	Gold- and Silver-Rich Massive Sulfides from the Semenov-2 Hydrothermal Field, 13°31.13'N, Mid-Atlantic Ridge: A Case of Magmatic Contribution?. <i>Economic Geology</i> , 2017, 112, 741-773.	3.8	40
89	Melt inclusion Pb-isotope analysis by LA-MC-ICPMS: Assessment of analytical performance and application to OIB genesis. <i>Chemical Geology</i> , 2011, 289, 210-223.	3.3	39
90	Ferruginous and manganiferous haloes around massive sulphide deposits of the Urals. <i>Ore Geology Reviews</i> , 2012, 47, 5-41.	2.7	39

#	ARTICLE	IF	CITATIONS
91	High-grade iron ore at Windarling, Yilgarn Craton: a product of syn-orogenic deformation, hypogene hydrothermal alteration and supergene modification in an Archean BIF-basalt lithostratigraphy. <i>Mineralium Deposita</i> , 2013, 48, 697-728.	4.1	38
92	Tellurium-bearing minerals in zoned sulfide chimneys from Cu-Zn massive sulfide deposits of the Urals, Russia. <i>Mineralogy and Petrology</i> , 2013, 107, 67-99.	1.1	38
93	Silicate-sulfide liquid immiscibility in modern arc basalt (Tolbachik volcano, Kamchatka): Part I. Occurrence and compositions of sulfide melts. <i>Chemical Geology</i> , 2018, 478, 102-111.	3.3	38
94	Abrupt transition from fractional crystallization to magma mixing at Gorely volcano (Kamchatka) after caldera collapse. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	3.0	37
95	Using integrated in-situ sulfide trace element geochemistry and sulfur isotopes to trace ore-forming fluids: Example from the Mina Justa IOCG deposit (southern Peru). <i>Ore Geology Reviews</i> , 2018, 101, 165-179.	2.7	36
96	Metals in quartz-hosted melt inclusions: Natural facts and experimental artifacts. <i>American Mineralogist</i> , 2005, 90, 1674-1678.	1.9	34
97	The effect of quadrupole ICPMS interface and ion lens design on argide formation. Implications for LA-ICPMS analysis of PGE's in geological samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1401.	3.0	34
98	Platinum-group elements and gold in sulfide melts from modern arc basalt (Tolbachik volcano, Kamchatka). <i>Journal of Petrology</i> , 2014, 55, 107-124.	1.4	34
99	Trace elements in sulfides from the Maozu Pb-Zn deposit, Yunnan Province, China: Implications for trace-element incorporation mechanisms and ore genesis. <i>American Mineralogist</i> , 2020, 105, 1734-1751.	1.9	33
100	Geochemical characteristics and Sr-Nd-Hf isotope compositions of mantle xenoliths and host basalts from Assab, Eritrea: implications for the composition and thermal structure of the lithosphere beneath the Afar Depression. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 731-751.	3.1	32
101	Ferric-ferrous ratio and oxygen fugacity calculations for primitive mantle-derived melts: calibration of an empirical technique. <i>Mineralogy and Petrology</i> , 1996, 57, 229-241.	1.1	31
102	Development and characterization of custom-engineered and compacted nanoparticles as calibration materials for quantification using LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 955-962.	3.0	31
103	Propagation of back-arc extension into the arc lithosphere in the southern New Hebrides volcanic arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3142-3159.	2.5	31
104	Major element and primary sulfur concentrations in Apollo 12 mare basalts: The view from melt inclusions. <i>Meteoritics and Planetary Science</i> , 2005, 40, 679-693.	1.6	30
105	Evidence for elevated and variable atmospheric oxygen in the Precambrian. <i>Precambrian Research</i> , 2020, 343, 105722.	2.7	30
106	The Dovyren intrusive complex (northern Baikal region, Russia): isotope-geochemical markers of contamination of parental magmas and extreme enrichment of the source. <i>Russian Geology and Geophysics</i> , 2015, 56, 411-434.	0.7	29
107	Cu-Ni-PGE fertility of the Yoko-Dovyren layered massif (northern Transbaikalia, Russia): thermodynamic modeling of sulfide compositions in low mineralized dunite based on quantitative sulfide mineralogy. <i>Mineralium Deposita</i> , 2016, 51, 993-1011.	4.1	29
108	Immiscible sulfide melts in primitive oceanic magmas: Evidence and implications from picrite lavas (Eastern Kamchatka, Russia). <i>American Mineralogist</i> , 2018, 103, 886-898.	1.9	29

#	ARTICLE	IF	CITATIONS
109	Plate-kinematic explanation for mid-oceanic-ridge depth discontinuities. <i>Geology</i> , 2003, 31, 399.	4.4	28
110	The Dovyren Intrusive Complex (Southern Siberia, Russia): Insights into dynamics of an open magma chamber with implications for parental magma origin, composition, and Cu-Ni-PGE fertility. <i>Lithos</i> , 2018, 302-303, 242-262.	1.4	28
111	Trace Element Mapping of Copper- and Zinc-Rich Black Smoker Chimneys from Brothers Volcano, Kermadec Arc, Using Synchrotron Radiation XFM and LA-ICP-MS. <i>Economic Geology</i> , 2019, 114, 67-92.	3.8	26
112	The Dovyren intrusive complex: Problems of petrology and Ni sulfide mineralization. <i>Geochemistry International</i> , 2009, 47, 425-453.	0.7	25
113	Recent advances in the application of mineral chemistry to exploration for porphyry copper-gold-molybdenum deposits: detecting the geochemical fingerprints and footprints of hypogene mineralization and alteration. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2020, 20, 176-188.	0.9	24
114	LA-ICP-MS sphalerite and galena trace element chemistry and mineralization-style fingerprinting for carbonate-hosted Pb-Zn deposits: Perspective from early Devonian Huodehong deposit in Yunnan, South China. <i>Ore Geology Reviews</i> , 2021, 136, 104253.	2.7	24
115	A model for the evolution of the Mt. Somma-Vesuvius magmatic system based on fluid and melt inclusion investigations. <i>Developments in Volcanology</i> , 2003, 5, 227-249.	0.5	22
116	SW Pacific arc and backarc lavas and the role of slab-bend serpentinites in the global halogen cycle. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115921.	4.4	22
117	Revealing the multi-stage ore-forming history of a mineral deposit using pyrite geochemistry and machine learning-based data interpretation. <i>Ore Geology Reviews</i> , 2021, 133, 104079.	2.7	22
118	Elemental fingerprints of southern calamary (<i>Sepioteuthis australis</i>) reveal local recruitment sources and allow assessment of the importance of closed areas. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1351-1360.	1.4	18
119	Styler elemental signatures indicate population structure in a holobenthic octopus species, <i>Octopus pallidus</i> . <i>Marine Ecology - Progress Series</i> , 2008, 371, 1-10.	1.9	17
120	Melting History of an Ultrahigh-pressure Paragneiss Revealed by Multiphase Solid Inclusions in Garnet, Kokchetav Massif, Kazakhstan. <i>Journal of Petrology</i> , 0, , egw049.	2.8	16
121	Ore fluid evolution in the giant Marcona Fe-(Cu) deposit, Peru: Evidence from in-situ sulfur isotope and trace element geochemistry of sulfides. <i>Ore Geology Reviews</i> , 2017, 86, 624-638.	2.7	16
122	Deconvolution of the composition of fine-grained pyrite in sedimentary matrix by regression of time-resolved LA-ICP-MS data. <i>American Mineralogist</i> , 2020, 105, 820-832.	1.9	16
123	Tube fossils from gossanites of the Urals VHMS deposits, Russia: Authigenic mineral assemblages and trace element distributions. <i>Ore Geology Reviews</i> , 2017, 85, 107-130.	2.7	15
124	Using styler elemental signatures to determine the population structure of <i>Octopus maorum</i> . <i>Marine Ecology - Progress Series</i> , 2008, 360, 125-133.	1.9	15
125	Relationships between Campi Flegrei and Mt. Somma volcanism: evidence from melt inclusions in clinopyroxene phenocrysts from volcanic breccia xenoliths. <i>Mineralogy and Petrology</i> , 2001, 73, 107-119.	1.1	14
126	Crystallization temperatures of tholeiite parental liquids: Implications for the existence of thermally driven mantle plumes. , 2007, , 235-260.		14

#	ARTICLE	IF	CITATIONS
127	Elemental and B-O-H isotopic compositions of tourmaline and associated minerals in biotite-muscovite granite of Mashhad, NE Iran: Constraints on tourmaline genesis and element partitioning. <i>Lithos</i> , 2019, 324-325, 803-820.	1.4	13
128	Sulfide Breccias from the Semenov-3 Hydrothermal Field, Mid-Atlantic Ridge: Authigenic Mineral Formation and Trace Element Pattern. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 321.	2.0	12
129	The trace (dispersed) elements in pyrite from the Fule Pb-Zn deposit, Yunnan Province, China, and its genetic information: A LA-ICPMS study. <i>Acta Petrologica Sinica</i> , 2019, 35, 3370-3384.	0.8	12
130	Covellite of the Semenov-2 hydrothermal field (13°31.13' N, Mid-Atlantic Ridge): Enrichment in trace elements according to LA ICP MS analysis. <i>Doklady Earth Sciences</i> , 2017, 473, 291-295.	0.7	11
131	Elimination of aliasing in LA-ICP-MS by alignment of laser and mass spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 733-739.	3.0	11
132	Direct oxygen measurements of Cr-rich spinel; implications for spinel stoichiometry. <i>American Mineralogist</i> , 1996, 81, 1186-1194.	1.9	10
133	Transgenerational marking of cephalopods with an enriched barium isotope: a promising tool for empirically estimating post-hatching movement and population connectivity. <i>ICES Journal of Marine Science</i> , 2010, 67, 1372-1380.	2.5	10
134	Matrix dependency for oxide production rates by LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 638-646.	3.0	10
135	Trace Element Geochemistry of Sulfides from the Ashadze-2 Hydrothermal Field (12°58' N, Mid-Atlantic) <i>Tj ETQq1 1 0.784314 rg</i> 2020, 10, 743.	2.0	10
136	The effects of H ₂ O, He, N ₂ and H ₂ on ion kinetic energies in inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 169, 105870.	2.9	10
137	Se and In minerals in the submarine oxidation zone of a massive sulfide orebody of the molodezhnoe copper-zinc massive sulfide deposit, Southern Urals. <i>Doklady Earth Sciences</i> , 2017, 473, 318-322.	0.7	9
138	Assessment of the mineral ilmenite for U-Pb dating by LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1244-1260.	3.0	9
139	Phase relations of arsenian pyrite and arsenopyrite. <i>Ore Geology Reviews</i> , 2021, 136, 104285.	2.7	9
140	Banded sulfide-magnetite ores of Mauk copper massive sulfide deposit, Central Urals: Composition and genesis. <i>Geology of Ore Deposits</i> , 2015, 57, 197-212.	0.7	8
141	Garnet-Pyroxenite-Derived End-Member Magma Type in Kamchatka: Evidence from Composition of Olivine and Olivine-Hosted Melt Inclusions in Holocene Rocks of Kekuknaisky Volcano. <i>Petrology</i> , 2018, 26, 329-350.	0.9	8
142	Petrology, Geochemistry, and the Origin of Sulfide-Bearing and PGE-mineralized Troctolites from the Konnikov Zone in the Yoko-Dovyren Layered Intrusion. <i>Russian Geology and Geophysics</i> , 2020, 61, 611-633.	0.7	8
143	Petrogenetic variability along the North-South Propagating Spreading Center of the North Fiji Basin. <i>Mineralogy and Petrology</i> , 2005, 83, 55-86.	1.1	7
144	Geochemical and isotopic signatures of magmatic products in the MAR rift valley at 12°49' N and 29°59' N and 33°41' N: Evidence of Two contrasting sources of the parental melts. <i>Petrology</i> , 2008, 16, 36-62.	0.9	7

#	ARTICLE	IF	CITATIONS
145	Genetic Interpretation of the Distribution of PGE and Chalcogens in Sulfide-Mineralized Ultramafic Rocks from the Yoko-Dovyren Layered Intrusion. <i>Geochemistry International</i> , 2018, 56, 1322-1340.	0.7	7
146	Sedimentary pyrite proxy for atmospheric oxygen: evaluation of strengths and limitations. <i>Earth-Science Reviews</i> , 2022, 227, 103941.	9.1	7
147	Time-of-flight ICP-MS laser ablation zircon geochronology: assessment and comparison against quadrupole ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2282-2297.	3.0	6
148	Timing of multiple magma events and duration of the hydrothermal system at the Yuâ€™erya gold deposit, eastern Hebei Province, China: Constraints from Uâ€™Pb and Arâ€™Ar dating. <i>Ore Geology Reviews</i> , 2020, 127, 103804.	2.7	6
149	Geochemical evidence for the fractionation of iridium group elements at the early stages of crystallization of the Dovyren magmas (northern Baikal area, Russia). <i>Russian Geology and Geophysics</i> , 2018, 59, 459-471.	0.7	5
150	Tellurium-Bearing Mineralization in Clastic Ores at the Yubileynoe Copper Massive Sulfide Deposit (Southern Urals). <i>Geology of Ore Deposits</i> , 2019, 61, 133-161.	0.7	5
151	Pyroxenites from mantle section of Voykar Ophiolite â€™ Melt/peridotite reaction and crystallization in SSZ mantle. <i>Lithos</i> , 2021, 388-389, 106063.	1.4	5
152	Use of Nonâ€™Matrix Matched Reference Materials for the Accurate Analysis of Calcium Carbonate by LAâ€™ICPâ€™MS. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 97-115.	3.1	5
153	Protracted lifespan of the late Mesozoic multistage Qianlishan granite complex, Nanling Range, SE China: Implications for its genetic relationship with mineralization in the Dongpo ore field. <i>Ore Geology Reviews</i> , 2021, 139, 104445.	2.7	5
154	A triple S-shaped compositional profile in a Karoo dolerite sillâ€™Evidence of concurrent multiple fractionation processes. <i>Geology</i> , 2017, 45, 603-606.	4.4	4
155	Structural setting, wall rock alteration and gold mineralisation of the Mt. Percy gold deposit, Kalgoorlie, Western Australia. <i>Mineralium Deposita</i> , 2021, 56, 1449-1470.	4.1	4
156	Metallogenic model of the Jinchang Au-Ni deposit in the Ailaoshan belt, SW China, determined on the basis of pyrite trace element contents, in-situ sulfur isotope composition and PGE geochemistry. <i>Ore Geology Reviews</i> , 2020, 120, 103415.	2.7	4
157	Criteria for the detection of hydrothermal ecosystem faunas in ores of massive sulfide deposits in the Urals. <i>Lithology and Mineral Resources</i> , 2017, 52, 173-191.	0.6	3
158	Behavior of Trace Elements during Oxidation of Sphalerite of the Irinovskoe Hydrothermal Sulfide Field (13â€™20â€™ N, Mid-Atlantic Ridge). <i>Geology of Ore Deposits</i> , 2020, 62, 254-259.	0.7	3
159	Laser ablation-ICPMS analysis of trace elements in pyrite from the Tharsis massive sulphide deposit, Iberian Pyrite Belt (Spain). <i>Journal of Iberian Geology</i> , 2021, 47, 429-440.	1.3	3
160	Integrated stratigraphicâ€™structuralâ€™hydrothermal alteration and mineralisation model for the Kangaroo Caves zincâ€™copper deposit, Western Australia. <i>Australian Journal of Earth Sciences</i> , 2014, 61, 159-185.	1.0	2
161	Temporal and spatial evolution of the Neogene age BreiÃ‚dalur central volcano through ³⁹ Ar/ ⁴⁰ Ar and U-Pb age determination. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 404, 107006.	2.1	2
162	The origin of the Late Quaternary back-arc volcanic rocks from Kamchatka: evidence from the compositions of olivine and olivine-hosted melt inclusions. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	2

#	ARTICLE	IF	CITATIONS
163	Evidence of Biogenic Activity in Quartz-Hematite Rocks of the Urals VMS Deposits. Lecture Notes in Earth System Sciences, 2016, , 109-122.	0.6	1
164	Implications of high-Mg# adakitic magmatism at Hunter Ridge for arc magmatism of the Fiji - Vanuatu region. Earth and Planetary Science Letters, 2022, 590, 117592.	4.4	1
165	In memoriam Vyacheslav Ivanovich Kovalenko. Petrology, 2011, 19, 325-326.	0.9	0