Vadim S. Kamenetsky

List of Publications by Year
in descending order

281 papers	15,838 citations	10986 71 h-index	22832 112 g-index

290 all docs	290 docs citations	290 times ranked	6568 citing authors

#	Article	IF	Citations
1	Factors Controlling Chemistry of Magmatic Spinel: an Empirical Study of Associated Olivine, Cr-spinel and Melt Inclusions from Primitive Rocks. Journal of Petrology, 2001, 42, 655-671.	2.8	848
2	The amount of recycled crust in sources of mantle-derived melts. Science, 2007, 316, 412-7.	12.6	822
3	The Amount of Recycled Crust in Sources of Mantle-Derived Melts. Science, 2007, 316, 412-417.	12.6	470
4	Carbonatite Metasomatism in the Southeastern Australian Lithosphere. Journal of Petrology, 1998, 39, 1917-1930.	2.8	370
5	Release of gold-bearing fluids in convergent margin magmas prompted by magnetite crystallization. Nature, 2004, 431, 975-978.	27.8	293
6	Paleozoic tectonics of the southern Chinese Tianshan: Insights from structural, chronological and geochemical studies of the Heiyingshan ophiolitic mÃ©lange (NW China). Tectonophysics, 2011, 497, 85-104.	2.2	262
7	Metal saturation in the upper mantle. Nature, 2007, 449, 456-458.	27.8	248
8	Kimberlite melts rich in alkali chlorides and carbonates: A potent metasomatic agent in the mantle. Geology, 2004, 32, 845.	4.4	229
9	Submarine hydrothermal activity and gold-rich mineralization at Brothers Volcano, Kermadec Arc, New Zealand. Mineralium Deposita, 2011, 46, 541-584.	4.1	219
10	The key role of mica during igneous concentration of tantalum. Contributions To Mineralogy and Petrology, 2014, 167, 1.	3.1	211
11	Olivine in the Udachnaya-East Kimberlite (Yakutia, Russia): Types, Compositions and Origins. Journal of Petrology, 2008, 49, 823-839.	2.8	205
12	Partitioning of elements between silicate melt and immiscible fluoride, chloride, carbonate, phosphate and sulfate melts, with implications to the origin of natrocarbonatite. Geochimica Et Cosmochimica Acta, 2012, 79, 20-40.	3.9	177
13	Chlorine isotope homogeneity of the mantle, crust and carbonaceous chondrites. Nature, 2007, 446, 1062-1065.	27.8	166
14	Sr, Nd, and Pb isotope evidence for a mantle origin of alkali chlorides and carbonates in the Udachnaya kimberlite, Siberia. Geology, 2005, 33, 549.	4.4	161
15	Age and pyrite Pb-isotopic composition of the giant Sukhoi Log sediment-hosted gold deposit, Russia. Geochimica Et Cosmochimica Acta, 2008, 72, 2377-2391.	3.9	151
16	Picrites from the Emeishan Large Igneous Province, SW China: a Compositional Continuum in Primitive Magmas and their Respective Mantle Sources. Journal of Petrology, 2012, 53, 2095-2113.	2.8	140
17	Seawater cycled throughout Earthâ€™s mantle in partially serpentinized lithosphere. Nature Geoscience, 2017, 10, 222-228.	12.9	139
18	Melt Inclusions in Veins: Linking Magmas and Porphyry Cu Deposits. Science, 2003, 302, 2109-2111.	12.6	137

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19	Oxidation state of subarc mantle. Geology, 2012, 40, 783-786.	4.4	135
20	Enhanced mantle-to-crust rhenium transfer in undegassed arc magmas. Nature, 2003, 422, 294-297.	27.8	131
21	An Experimental Study of Carbonated Eclogite at 3{middle dot}5-5{middle dot}5 GPa--Implications for Silicate and Carbonate Metasomatism in the Cratonic Mantle. Journal of Petrology, 2012, 53, 727-759.	2.8	131
22	The Palaeoproterozoic Komatiite-Picrite Association of Finnish Lapland. Journal of Petrology, 2001, 42, 855-876.	2.8	130
23	Melt inclusion CO2 contents, pressures of olivine crystallization, and the problem of shrinkage bubbles. American Mineralogist, 2015, 100, 787-794.	1.9	128
24	Significance of apatite REE depletion and monazite inclusions in the brecciated Seâ€“Chahun iron oxideâ€“apatite deposit, Bafq district, Iran: Insights from paragenesis and geochemistry. Chemical Geology, 2011, 281, 253-269.	3.3	127
25	Melting and Phase Relations of Carbonated Eclogite at 9-21 GPa and the Petrogenesis of Alkali-Rich Melts in the Deep Mantle. Journal of Petrology, 2013, 54, 1555-1583.	2.8	127
26	Adakites in the Truong Son and Loei fold belts, Thailand and Laos: Genesis and implications for geodynamics and metallogeny. Gondwana Research, 2014, 26, 165-184.	6.0	126
27	Towards a new model for kimberlite petrogenesis: Evidence from unaltered kimberlites and mantle minerals. Earth-Science Reviews, 2014, 139, 145-167.	9.1	126
28	Phenocryst and melt inclusion chemistry of near-axis seamounts, Valu Fa Ridge, Lau Basin: insight into mantle wedge melting and the addition of subduction components. Earth and Planetary Science Letters, 1997, 151, 205-223.	4.4	122
29	How unique is the Udachnaya-East kimberlite? Comparison with kimberlites from the Slave Craton (Canada) and SW Greenland. Lithos, 2009, 112, 334-346.	1.4	120
30	Survival times of anomalous melt inclusions from element diffusion in olivine and chromite. Nature, 2007, 447, 303-306.	27.8	117
31	Two-component mantle melting-mixing model for the generation of mid-ocean ridge basalts: Implications for the volatile content of the Pacific upper mantle. Geochimica Et Cosmochimica Acta, 2016, 176, 44-80.	3.9	116
32	Calcic melt inclusions in primitive olivine at 43Â°N MAR: evidence for meltâ€“rock reaction/melting involving clinopyroxene-rich lithologies during MORB generation. Earth and Planetary Science Letters, 1998, 160, 115-132.	4.4	113
33	Constraints on kimberlite ascent mechanisms revealed by phlogopite compositions in kimberlites and mantle xenoliths. Lithos, 2016, 240-243, 189-201.	1.4	111
34	The Central Ailaoshan ophiolite and modern analogs. Gondwana Research, 2014, 26, 75-88.	6.0	109
35	The role of fluorine in the concentration and transport of lithophile trace elements in felsic magmas: Insights from the Gawler Range Volcanics, South Australia. Chemical Geology, 2010, 273, 314-325.	3.3	107
36	Geochemical evolution and tectonic significance of boninites and tholeiites from the Koh ophiolite, New Caledonia. Tectonics, 1996, 15, 67-83.	2.8	101

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37	A New View on the Petrogenesis of the Oman Ophiolite Chromitites from Microanalyses of Chromite-hosted Inclusions. Journal of Petrology, 2012, 53, 2411-2440.	2.8	100
38	An oxygen fugacity profile through the Siberian Craton â€" Fe K-edge XANES determinations of Fe3+/â˜Fe in garnets in peridotite xenoliths from the Udachnaya East kimberlite. Lithos, 2012, 140-141, 142-151.	1.4	98
39	Glasses in mantle xenoliths from western Victoria, Australia, and their relevance to mantle processes. Earth and Planetary Science Letters, 1997, 148, 433-446.	4.4	96
40	Chlorine in submarine volcanic glasses from the eastern manus basin. Geochimica Et Cosmochimica Acta, 2007, 71, 1542-1552.	3.9	96
41	Enriched End-member of Primitive MORB Melts: Petrology and Geochemistry of Glasses from Macquarie Island (SW Pacific). Journal of Petrology, 2000, 41, 411-430.	2.8	95
42	Parental basaltic melts and fluids in eastern Manus backarc Basin: implications for hydrothermal mineralisation. Earth and Planetary Science Letters, 2001, 184, 685-702.	4.4	95
43	Gold and metal enrichment in natural granitic melts during fractional crystallization. Geology, 2006, 34, 85.	4.4	92
44	Ultrafresh salty kimberlite of the Udachnayaâ€"East pipe (Yakutia, Russia): A petrological oddity or fortuitous discovery?. Lithos, 2012, 152, 173-186.	1.4	92
45	Carbonateâ€"silicate liquid immiscibility in the mantle propels kimberlite magma ascent. Geochimica Et Cosmochimica Acta, 2015, 158, 48-56.	3.9	92
46	Constancy of Nb/U in the mantle revisited. Geochimica Et Cosmochimica Acta, 2008, 72, 3542-3549.	3.9	90
47	Primitive magmas in the Emeishan Large Igneous Province, southwestern China and northern Vietnam. Lithos, 2010, 119, 75-90.	1.4	89
48	Primitive magmatism of Mt. Etna: insights from mineralogy and melt inclusions. Earth and Planetary Science Letters, 1996, 142, 553-572.	4.4	88
49	Chloride and carbonate immiscible liquids at the closure of the kimberlite magma evolution (Udachnaya-East kimberlite, Siberia). Chemical Geology, 2007, 237, 384-400.	3.3	88
50	Nature of alkali-carbonate fluids in the sub-continental lithospheric mantle. Geology, 2012, 40, 967-970.	4.4	88
51	Uâ€"Pb zircon geochronology and geochemistry from NE Vietnam: A â€˜tectonically disputedâ€™ territory between the Indochina and South China blocks. Gondwana Research, 2016, 34, 254-273.	6.0	88
52	Olivine-enriched melt inclusions in chromites from low-Ca boninites, Cape Vogel, Papua New Guinea: evidence for ultramafic primary magma, refractory mantle source and enriched components. Chemical Geology, 2002, 183, 287-303.	3.3	86
53	Petrogenesis of Mantle Polymict Breccias: Insights into Mantle Processes Coeval with Kimberlite Magmatism. Journal of Petrology, 2014, 55, 831-858.	2.8	86
54	Crustal Evolution of Island-Arc Ultramafic Magma: Galmoenan Pyroxeniteâ€"Dunite Plutonic Complex, Koryak Highland (Far East Russia). Journal of Petrology, 2005, 46, 1345-1366.	2.8	85

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55	Magmatic origin of low-Ca olivine in subduction-related magmas: Co-existence of contrasting magmas. Chemical Geology, 2006, 233, 346-357.	3.3	85
56	Melt inclusions in detrital spinel from the SE Alps (Italy-Slovenia): a new approach to provenance studies of sedimentary basins. Contributions To Mineralogy and Petrology, 2000, 139, 748-758.	3.1	84
57	Impact of air, laser pulse width and fluence on Uâ€“Pb dating of zircons by LA-ICPMS. Journal of Analytical Atomic Spectrometry, 2018, 33, 221-230.	3.0	84
58	Halogen systematics (Cl, Br, I) in Mid-Ocean Ridge Basalts: A Macquarie Island case study. Geochimica Et Cosmochimica Acta, 2012, 81, 82-93.	3.9	83
59	High-Mg potassic rocks from Taiwan: implications for the genesis of orogenic potassic lavas. Lithos, 2001, 59, 153-170.	1.4	81
60	Stable isotope (C, O, S) compositions of volatile-rich minerals in kimberlites: A review. Chemical Geology, 2014, 374-375, 61-83.	3.3	81
61	Remnants of Gondwanan continental lithosphere in oceanic upper mantle: Evidence from the South Atlantic Ridge. Geology, 2001, 29, 243.	4.4	80
62	The fluorine link between a supergiant ore deposit and a silicic large igneous province. Geology, 2011, 39, 1003-1006.	4.4	78
63	Did diamond-bearing orangeites originate from MARID-veined peridotites in the lithospheric mantle?. Nature Communications, 2015, 6, 6837.	12.8	78
64	The final stages of kimberlite petrogenesis: Petrography, mineral chemistry, melt inclusions and Sr-C-O isotope geochemistry of the Bultfontein kimberlite (Kimberley, South Africa). Chemical Geology, 2017, 455, 342-356.	3.3	78
65	Petrology and Geochemistry of Cretaceous Ultramafic Volcanics from Eastern Kamchatka. Journal of Petrology, 1995, 36, 637-662.	2.8	77
66	Oxide, sulphide and carbonate minerals in a mantle polymict breccia: Metasomatism by proto-kimberlite magmas, and relationship to the kimberlite megacrystic suite. Chemical Geology, 2013, 353, 4-18.	3.3	77
67	Authigenic monazite and detrital zircon dating from the Proterozoic Rocky Cape Group, Tasmania: Links to the Belt-Purcell Supergroup, North America. Precambrian Research, 2014, 250, 50-67.	2.7	77
68	Arrival of extremely volatile-rich high-Mg magmas changes explosivity of Mount Etna. Geology, 2007, 35, 255.	4.4	76
69	Comparison of metal enrichment in pyrite framboids from a metal-enriched and metal-poor estuary. American Mineralogist, 2014, 99, 633-644.	1.9	76
70	The mechanism of Re enrichment in arc magmas: evidence from Lau Basin basaltic glasses and primitive melt inclusions. Earth and Planetary Science Letters, 2004, 222, 101-114.	4.4	75
71	Timing and genesis of the Karoo-Ferrar large igneous province: New high precision U-Pb data for Tasmania confirm short duration of the major magmatic pulse. Chemical Geology, 2017, 455, 32-43.	3.3	73
72	Alkali-carbonate melts from the base of cratonic lithospheric mantle: Links to kimberlites. Chemical Geology, 2018, 483, 261-274.	3.3	73

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73	Immiscibility between silicate magmas and aqueous fluids: a melt inclusion pursuit into the magmatic-hydrothermal transition in the Omsukchan Granite (NE Russia). Chemical Geology, 2004, 210, 73-90.	3.3	72
74	Parental carbonatitic melt of the Koala kimberlite (Canada): Constraints from melt inclusions in olivine and Cr-spinel, and groundmass carbonate. Chemical Geology, 2013, 353, 96-111.	3.3	72
75	In situ origin for glass in mantle xenoliths from southeastern Australia: insights from trace element compositions of glasses and metasomatic phases. Earth and Planetary Science Letters, 1999, 172, 97-109.	4.4	71
76	Can pyroxenes be liquidus minerals in the kimberlite magma?. Lithos, 2009, 112, 213-222.	1.4	71
77	Matrix effects in Pb/U measurements during LA-ICP-MS analysis of the mineral apatite. Journal of Analytical Atomic Spectrometry, 2016, 31, 1206-1215.	3.0	71
78	Chlorine from the mantle: Magmatic halides in the Udachnaya-East kimberlite, Siberia. Earth and Planetary Science Letters, 2009, 285, 96-104.	4.4	70
79	Methodology for the study of melt inclusions in Cr-spinel, and implications for parental melts of MORB from FAMOUS area. Earth and Planetary Science Letters, 1996, 142, 479-486.	4.4	69
80	Volatile Phase Separation in Silicic Magmas at Bajo de la Alumbrera Porphyry Cuâ€Au Deposit, NW Argentina. Resource Geology, 2004, 54, 341-356.	0.8	69
81	Volatile exsolution at the Dinkidi Cu-Au porphyry deposit, Philippines: A melt-inclusion record of the initial ore-forming process. Geology, 1999, 27, 691.	4.4	65
82	Crystallization of platinum-group minerals from silicate melts: Evidence from Cr-spinelâ€“hosted inclusions in volcanic rocks. Geology, 2015, 43, 903-906.	4.4	63
83	Melt inclusion record of immiscibility between silicate, hydrosaline, and carbonate melts: Applications to skarn genesis at Mount Vesuvius. Geology, 2001, 29, 1043.	4.4	62
84	Olivine-hosted melt inclusions in Hawaiian picrites: equilibration, melting, and plume source characteristics. Chemical Geology, 2002, 183, 143-168.	3.3	61
85	Potassic primary melts of vulsini (Roman Province): evidence from mineralogy and melt inclusions. Contributions To Mineralogy and Petrology, 1995, 120, 186-196.	3.1	60
86	Carbonate-chloride enrichment in fresh kimberlites of the Udachnaya-East pipe, Siberia: A clue to physical properties of kimberlite magmas?. Geophysical Research Letters, 2007, 34, .	4.0	58
87	Evidence for the alkaline nature of parental carbonatite melts at Oka complex in Canada. Nature Communications, 2013, 4, 2687.	12.8	58
88	Trace-element partitioning in perovskite: Implications for the geochemistry of kimberlites and other mantle-derived undersaturated rocks. Chemical Geology, 2013, 353, 112-131.	3.3	58
89	In-situ assimilation of mantle minerals by kimberlitic magmas â€" Direct evidence from a garnet wehrlite xenolith entrained in the Bultfontein kimberlite (Kimberley, South Africa). Lithos, 2016, 256-257, 182-196.	1.4	57
90	Multi-stage enrichment processes for large gold-bearing ore deposits. Ore Geology Reviews, 2016, 76, 268-279.	2.7	57

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91	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. Contributions To Mineralogy and Petrology, 1997, 128, 287-301.	3.1	56
92	Mafic volcanic rocks on King Island, Tasmania: evidence for 579Ma break-up in east Gondwana. Precambrian Research, 2004, 135, 177-191.	2.7	56
93	Tracking halogens through the subduction cycle. Geology, 2012, 40, 1075-1078.	4.4	56
94	Extreme chemical heterogeneity of granite-derived hydrothermal fluids: An example from inclusions in a single crystal of miarolitic quartz. Geology, 2002, 30, 459.	4.4	55
95	Fluid bubbles in melt inclusions and pillow-rim glasses: high-temperature precursors to hydrothermal fluids?. Chemical Geology, 2002, 183, 349-364.	3.3	54
96	Degassing of the H2O-rich rhyolites of the Okataina Volcanic Center, Taupo Volcanic Zone, New Zealand. Geology, 2011, 39, 311-314.	4.4	53
97	Hydrogen and oxygen isotope behaviors during variable degrees of upper mantle melting: Example from the basaltic glasses from Macquarie Island. Chemical Geology, 2012, 310-311, 126-136.	3.3	53
98	Subduction-related halogens (Cl, Br and I) and H2O in magmatic glasses from Southwest Pacific Backarc Basins. Earth and Planetary Science Letters, 2014, 400, 165-176.	4.4	52
99	Origin of the supergiant Olympic Dam Cu-U-Au-Ag deposit, South Australia: Was a sedimentary basin involved?. Geology, 2011, 39, 795-798.	4.4	51
100	Neoproterozoic (ca. 820â€“830 Ma) mafic dykes at Olympic Dam, South Australia: Links with the Gairdner Large Igneous Province. Precambrian Research, 2015, 271, 160-172.	2.7	51
101	Djerfisherite in the Udachnaya-East pipe kimberlites (Sakha-Yakutia, Russia): paragenesis, composition and origin. European Journal of Mineralogy, 2007, 19, 51-63.	1.3	50
102	Magma chamberâ€“scale liquid immiscibility in the Siberian Traps represented by melt pools in native iron. Geology, 2013, 41, 1091-1094.	4.4	47
103	Early Eocene clinoenstatite boninite and boninite-series dikes of the ophiolite of New Caledonia; a witness of slab-derived enrichment of the mantle wedge in a nascent volcanic arc. Lithos, 2016, 260, 429-442.	1.4	47
104	Mantle-melt Evolution (Dynamic Source) in the Origin of a Single MORB Suite: a Perspective from Magnesian Glasses of Macquarie Island. Journal of Petrology, 2002, 43, 1909-1922.	2.8	46
105	EARLY, DEEP MAGNETITE-FLUORAPATITE MINERALIZATION AT THE OLYMPIC DAM Cu-U-Au-Ag DEPOSIT, SOUTH AUSTRALIA*. Economic Geology, 2017, 112, 1531-1542.	3.8	46
106	Systematics of metals, metalloids, and volatiles in MORB melts: Effects of partial melting, crystal fractionation and degassing (a case study of Macquarie Island glasses). Chemical Geology, 2012, 302-303, 76-86.	3.3	45
107	Silicateâ€“natrocarbonatite liquid immiscibility in 1917 eruption combeiteâ€“wollastonite nephelinite, Oldoinyo Lengai Volcano, Tanzania: Melt inclusion study. Lithos, 2012, 152, 23-39.	1.4	45
108	Geology and Mineralogical Zonation of the Olympic Dam Iron Oxide Cu-U-Au-Ag Deposit, South Australia. , 2012, , .		45

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109	Feldspar evolution in the Roxby Downs Granite, host to Fe-oxide Cu-Au-(U) mineralisation at Olympic Dam, South Australia. Ore Geology Reviews, 2017, 80, 838-859.	2.7	44
110	Petrographic and melt-inclusion constraints on the petrogenesis of a magmaclast from the Venetia kimberlite cluster, South Africa. Chemical Geology, 2017, 455, 331-341.	3.3	43
111	Composition and emplacement of the Benfontein kimberlite sill complex (Kimberley, South Africa): Textural, petrographic and melt inclusion constraints. Lithos, 2019, 324-325, 297-314.	1.4	43
112	Primitive island arc and oceanic lavas from the hunter ridge-hunter fracture zone. Evidence from glass, olivine and spinel compositions. Mineralogy and Petrology, 1992, 47, 149-169.	1.1	42
113	Chemical abrasion of zircon and ilmenite megacrysts in the Monastery kimberlite: Implications for the composition of kimberlite melts. Chemical Geology, 2014, 383, 76-85.	3.3	42
114	Laser Raman spectroscopic measurements of water in unexposed glass inclusions. American Mineralogist, 2006, 91, 467-470.	1.9	41
115	LIMA Uâ€“Pb ages link lithospheric mantle metasomatism to Karoo magmatism beneath the Kimberley region, South Africa. Earth and Planetary Science Letters, 2014, 401, 132-147.	4.4	41
116	Multiple mantle sources of continental magmatism: Insights from â€œhigh-Tiâ€•picrites of Karoo and other large igneous provinces. Chemical Geology, 2017, 455, 22-31.	3.3	41
117	Origins of compositional heterogeneity in olivine-hosted melt inclusions from the Baffin Island picrites. Contributions To Mineralogy and Petrology, 2004, 148, 426-442.	3.1	40
118	The origin of medium-K ankaramitic arc magmas from Lombok (Sunda arc, Indonesia): Mineral and melt inclusion evidence. Chemical Geology, 2007, 240, 260-279.	3.3	40
119	Links between Carbonatite and Kimberlite Melts in Chlorideâ€“Carbonateâ€“Silicate Systems: Experiments and Application to Natural Assemblages. Journal of Petrology, 2011, 52, 1307-1331.	2.8	40
120	A Raman microprobe study of melt inclusions in kimberlites from Siberia, Canada, SW Greenland and South Africa. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 80, 82-87.	3.9	40
121	Primary aqueous fluids in rhyolitic magmas: Melt inclusion evidence for pre- and post-trapping exsolution. Chemical Geology, 2007, 237, 372-383.	3.3	39
122	Evolution and emplacement of high fluorine rhyolites in the Mesoproterozoic Gawler silicic large igneous province, South Australia. Precambrian Research, 2012, 208-211, 124-144.	2.7	39
123	Metapyroxenite in the mantle transition zone revealed from majorite inclusions in diamonds. Geology, 2013, 41, 883-886.	4.4	38
124	Silicate-sulfide liquid immiscibility in modern arc basalt (Tolbachik volcano, Kamchatka): Part I. Occurrence and compositions of sulfide melts. Chemical Geology, 2018, 478, 102-111.	3.3	38
125	Was Crustal Contamination Involved in the Formation of the Serpentine-Free Udachnaya-East Kimberlite? New Insights into Parental Melts, Liquidus Assemblage and Effects of Alteration. Journal of Petrology, 2018, 59, 1467-1492.	2.8	38
126	Composition and temperature of komatiite melts from Gorgona Island, Colombia, constrained from olivine-hosted melt inclusions. Geology, 2010, 38, 1003-1006.	4.4	37

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127	In situ location and Uâ€Pb dating of small zircon grains in igneous rocks using laser ablationâ€“inductively coupled plasmaâ€“quadrupole mass spectrometry. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	37
128	Olivine-phyric basalt in the Mesoproterozoic Gawler silicic large igneous province, South Australia: Examples at the Olympic Dam Iron Oxide Cuâ€“Uâ€“Auâ€“Ag deposit and other localities. Precambrian Research, 2016, 281, 185-199.	2.7	37
129	Hydrosilicate liquids in the system Na2O-SiO2-H2O with NaF, NaCl and Ta: Evaluation of their role in ore and mineral formation at high T and P. Petrology, 2012, 20, 271-285.	0.9	36
130	The discovery of kimberlites in Antarctica extends the vast Gondwanan Cretaceous province. Nature Communications, 2013, 4, 2921.	12.8	36
131	Uranium and Sm isotope studies of the supergiant Olympic Dam Cuâ€“Auâ€“Uâ€“Ag deposit, South Australia. Geochimica Et Cosmochimica Acta, 2016, 180, 15-32.	3.9	35
132	Silicate-sulfide liquid immiscibility in modern arc basalt (Tolbachik volcano, Kamchatka): Part II. Composition, liquidus assemblage and fractionation of the silicate melt. Chemical Geology, 2017, 471, 92-110.	3.3	35
133	Monticellite in group-I kimberlites: Implications for evolution of parental melts and post-emplacement CO2 degassing. Chemical Geology, 2018, 478, 76-88.	3.3	35
134	Precise geochronological constraints on the origin, setting and incorporation of ca. 1.59â€¯Ga surficial facies into the Olympic Dam Breccia Complex, South Australia. Precambrian Research, 2018, 315, 162-178.	2.7	35
135	Metals in quartz-hosted melt inclusions: Natural facts and experimental artifacts. American Mineralogist, 2005, 90, 1674-1678.	1.9	34
136	Cryptic crustal contamination of MORB primitive melts recorded in olivine-hosted glass and mineral inclusions. Contributions To Mineralogy and Petrology, 2007, 153, 465-481.	3.1	34
137	Magmatic fluids immiscible with silicate melts: examples from inclusions in phenocrysts and glasses, and implications for magma evolution and metal transport. Geofluids, 2010, 10, 293-311.	0.7	34
138	Melanesian back-arc basin and arc development: Constraints from the eastern Coral Sea. Gondwana Research, 2016, 39, 77-95.	6.0	34
139	Platinum-group elements and gold in sulfide melts from modern arc basalt (Tolbachik volcano,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.4	34
140	Can primitive kimberlite melts be alkaliâ€carbonate liquids: Composition of the melt snapshots preserved in deepest mantle xenoliths. Journal of Raman Spectroscopy, 2020, 51, 1849-1867.	2.5	34
141	Ontogeny of ore Cr-spinel and composition of inclusions as indicators of the pneumatolyticâ€“hydrothermal origin of PGM-bearing chromitites from Kondyor massif, the Aldan Shield. Geology of Ore Deposits, 2015, 57, 352-380.	0.7	33
142	IMMISCIBILITY AND CONTINUOUS FELSIC MELT-FLUID EVOLUTION WITHIN THE RIO BLANCO PORPHYRY SYSTEM, CHILE: EVIDENCE FROM INCLUSIONS IN MAGMATIC QUARTZ. Economic Geology, 2001, 96, 1921-1929.	3.8	32
143	Early mixing and mingling in the evolution of basaltic magmas: evidence from phenocryst assemblages, Slamet Volcano, Java, Indonesia. Journal of Volcanology and Geothermal Research, 2003, 119, 255-274.	2.1	32
144	Cathodoluminescence properties of quartz eyes from porphyry-type deposits: Implications for the origin of quartz. American Mineralogist, 2013, 98, 98-109.	1.9	31

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145	Mantle oddities: A sulphate fluid preserved in a MARID xenolith from the Bultfontein kimberlite (Kimberley, South Africa). Earth and Planetary Science Letters, 2013, 376, 74-86.	4.4	31
146	Major element and primary sulfur concentrations in Apollo 12 mare basalts: The view from melt inclusions. Meteoritics and Planetary Science, 2005, 40, 679-693.	1.6	30
147	Inclusions of silicate and sulfate melts in chrome diposide from the Inagli deposit, Yakutia, Russia. Geochemistry International, 2008, 46, 554-564.	0.7	30
148	Platinum-group element abundances and Os isotope composition of mantle peridotites from the Mamonia complex, Cyprus. Chemical Geology, 2008, 248, 195-212.	3.3	30
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