Ilya Bindeman

List of Publications by Year
in descending order

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193	9,985	28274	43889
papers	citations	55 h-index	91 g-index

198	198	198	5206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	4.4 billion years of crustal maturation: oxygen isotope ratios of magmatic zircon. Contributions To Mineralogy and Petrology, 2005, 150, 561-580.	3.1	970
2	Ion Microprobe Study of Plagioclase-Basalt Partition Experiments at Natural Concentration Levels of Trace Elements. Geochimica Et Cosmochimica Acta, 1998, 62, 1175-1193.	3.9	409
3	Oxygen Isotopes in Mantle and Crustal Magmas as Revealed by Single Crystal Analysis. Reviews in Mineralogy and Geochemistry, 2008, 69, 445-478.	4.8	386
4	Low-Î´18O Rhyolites from Yellowstone: Magmatic Evolution Based on Analyses of Zircons and Individual Phenocrysts. Journal of Petrology, 2001, 42, 1491-1517.	2.8	252
5	Oxygen isotope evidence for slab melting in modern and ancient subduction zones. Earth and Planetary Science Letters, 2005, 235, 480-496.	4.4	217
6	Giant Kiruna-type deposits form by efficient flotation of magmatic magnetite suspensions. Geology, 2015, 43, 591-594.	4.4	177
7	Volcanic arc of Kamchatka: a province with high-Î´18O magma sources and large-scale 18O/16O depletion of the upper crust. Geochimica Et Cosmochimica Acta, 2004, 68, 841-865.	3.9	167
8	Origin and Evolution of Silicic Magmatism at Yellowstone Based on Ion Microprobe Analysis of Isotopically Zoned Zircons. Journal of Petrology, 2008, 49, 163-193.	2.8	166
9	Titanium isotopic evidence for felsic crust and plate tectonics 3.5 billion years ago. Science, 2017, 357, 1271-1274.	12.6	166
10	Trace element partitioning between plagioclase and melt: investigation of dopant influence on partition behavior. Geochimica Et Cosmochimica Acta, 2000, 64, 2863-2878.	3.9	164
11	Empirical calibration of oxygen isotope fractionation in zircon. Geochimica Et Cosmochimica Acta, 2003, 67, 3257-3266.	3.9	154
12	Rapid emergence of subaerial landmasses and onset of a modern hydrologic cycle 2.5 billion years ago. Nature, 2018, 557, 545-548.	27.8	153
13	Subduction-related Volatile Recycling and Magma Generation beneath Central Mexico: Insights from Melt Inclusions, Oxygen Isotopes and Geodynamic Models. Journal of Petrology, 2009, 50, 1729-1764.	2.8	128
14	Explosive origin of silicic lava: Textural and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>Î´</mml:mi><mml:mi mathvariant="normal">D</mml:mi></mml:math>â€“H 2 O evidence for pyroclastic degassing during rhyolite effusion. Earth and Planetary Science Letters, 2014, 405, 52-61.	4.4	107
15	Across-arc geochemical variations in the Southern Volcanic Zone, Chile (34.5â€“38.0Â°S): Constraints on mantle wedge and slab input compositions. Geochimica Et Cosmochimica Acta, 2013, 123, 218-243.	3.9	105
16	The origin of hydrous, high-Î´18O voluminous volcanism: diverse oxygen isotope values and high magmatic water contents within the volcanic record of Klyuchevskoy volcano, Kamchatka, Russia. Contributions To Mineralogy and Petrology, 2009, 157, 209-230.	3.1	104
17	Oxygen isotope heterogeneity and disequilibria of olivine crystals in large volume Holocene basalts from Iceland: Evidence for magmatic digestion and erosion of Pleistocene hyaloclastites. Geochimica Et Cosmochimica Acta, 2008, 72, 4397-4420.	3.9	103
18	Oxygen isotope study of the Long Valley magma system, California: isotope thermometry and convection in large silicic magma bodies. Contributions To Mineralogy and Petrology, 2002, 144, 185-205.	3.1	102

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19	Iceland is not a magmatic analog for the Hadean: Evidence from the zircon record. Earth and Planetary Science Letters, 2014, 405, 85-97.	4.4	101
20	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
21	Rapid heterogeneous assembly of multiple magma reservoirs prior to Yellowstone supereruptions. Scientific Reports, 2015, 5, 14026.	3.3	100
22	Experimental calibration of oxygen isotope fractionation between quartz and zircon. Geochimica Et Cosmochimica Acta, 2009, 73, 7110-7126.	3.9	98
23	A Stable Isotope Study of Anorogenic Magmatism in East Central Asia. Journal of Petrology, 1996, 37, 1063-1095.	2.8	97
24	Linking rapid magma reservoir assembly and eruption trigger mechanisms at evolved Yellowstone-type supervolcanoes. Geology, 2014, 42, 807-810.	4.4	97
25	Post-caldera volcanism: in situ measurement of Uâ€“Pb age and oxygen isotope ratio in Pleistocene zircons from Yellowstone caldera. Earth and Planetary Science Letters, 2001, 189, 197-206.	4.4	93
26	Silicic magma petrogenesis in Iceland by remelting of hydrothermally altered crust based on oxygen isotope diversity and disequilibria between zircon and magma with implications for MORB. Terra Nova, 2012, 24, 227-232.	2.1	92
27	Large-volume silicic volcanism in Kamchatka: Arâ€“Ar and Uâ€“Pb ages, isotopic, and geochemical characteristics of major pre-Holocene caldera-forming eruptions. Journal of Volcanology and Geothermal Research, 2010, 189, 57-80.	2.1	91
28	Large-volume Rhyolite Genesis in Caldera Complexes of the Snake River Plain: Insights from the Kilgore Tuff of the Heise Volcanic Field, Idaho, with Comparison to Yellowstone and Bruneauâ€“Jarbidge Rhyolites. Journal of Petrology, 2011, 52, 857-890.	2.8	91
29	Formation of low-Î´18O rhyolites after caldera collapse at Yellowstone, Wyoming, USA. Geology, 2000, 28, 719.	4.4	86
30	Remobilization of silicic intrusion by mafic magmas during the 2010 EyjafjallajÃ¶kull eruption. Solid Earth, 2011, 2, 271-281.	2.8	85
31	Rhyolitesâ€”Hard to produce, but easy to recycle and sequester: Integrating microgeochemical observations and numerical models. , 2014, 10, 930-957.		83
32	Feâ€“O stable isotope pairs elucidate a high-temperature origin of Chilean iron oxide-apatite deposits. Geochimica Et Cosmochimica Acta, 2016, 177, 94-104.	3.9	82
33	Transition from arc to oceanic magmatism at the Kamchatka-Aleutian junction. Geology, 2005, 33, 25.	4.4	81
34	Zircon Survival, Rebirth and Recycling during Crustal Melting, Magma Crystallization, and Mixing Based on Numerical Modelling. Journal of Petrology, 2016, 57, 437-460.	2.8	80
35	Crystal sizes in evolving silicic magma chambers. Geology, 2003, 31, 367.	4.4	77
36	Volatile contents of mafic magmas from cinder cones in the Central Oregon High Cascades: Implications for magma formation and mantle conditions in a hot arc. Earth and Planetary Science Letters, 2010, 298, 153-161.	4.4	77

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37	Geochemical Evolution of Intraplate Volcanism at Banks Peninsula, New Zealand: Interaction Between Asthenospheric and Lithospheric Melts. Journal of Petrology, 2009, 50, 989-1023.	2.8	74
38	Voluminous low Î´18O magmas in the late Miocene Heise volcanic field, Idaho: Implications for the fate of Yellowstone hotspot calderas. Geology, 2007, 35, 1019.	4.4	73
39	Geochemistry of a new enriched mantle type locality in the northern hemisphere: Implications for the origin of the EM-I source. Earth and Planetary Science Letters, 2008, 265, 167-182.	4.4	73
40	Light Stable Isotopic Compositions of Enriched Mantle Sources: Resolving the Dehydration Paradox. Geochemistry, Geophysics, Geosystems, 2017, 18, 3801-3839.	2.5	70
41	Crystal scale anatomy of a dying supervolcano: an isotope and geochronology study of individual phenocrysts from voluminous rhyolites of the Yellowstone caldera. Contributions To Mineralogy and Petrology, 2012, 164, 45-67.	3.1	67
42	Rapid generation of both high- and low-Î´18O, large-volume silicic magmas at the Timber Mountain/Oasis Valley caldera complex, Nevada. Bulletin of the Geological Society of America, 2003, 115, 581-595.	3.3	66
43	High-resolution insights into episodes of crystallization, hydrothermal alteration and remelting in the Skaergaard intrusive complex. Earth and Planetary Science Letters, 2012, 355-356, 199-212.	4.4	65
44	Crustal recycling by subduction erosion in the central Mexican Volcanic Belt. Geochimica Et Cosmochimica Acta, 2015, 166, 29-52.	3.9	65
45	Crustal-scale recycling in caldera complexes and rift zones along the Yellowstone hotspot track: O and Hf isotopic evidence in diverse zircons from voluminous rhyolites of the Picabo volcanic field, Idaho. Earth and Planetary Science Letters, 2013, 381, 63-77.	4.4	63
46	Petrologic constraints on the development of a large-volume, high temperature, silicic magma system: The Twin Falls eruptive centre, central Snake River Plain. Lithos, 2010, 120, 475-489.	1.4	62
47	Water in volcanic glass: From volcanic degassing to secondary hydration. Geochimica Et Cosmochimica Acta, 2016, 191, 216-238.	3.9	62
48	Oxygen isotope perspective on crustal evolution on early Earth: A record of Precambrian shales with emphasis on Paleoproterozoic glaciations and Great Oxygenation Event. Earth and Planetary Science Letters, 2016, 437, 101-113.	4.4	62
49	Low-Î´18O silicic magmas on Earth: A review. Earth-Science Reviews, 2020, 208, 103299.	9.1	61
50	Boron and oxygen isotope evidence for recycling of subducted components over the past 2.5â€‰Gyr. Nature, 2007, 447, 702-705.	27.8	60
51	Archean Protolith and Accretion of Crust in Kamchatka: SHRIMP Dating of Zircons from Sredinny and Ganal Massifs. Journal of Geology, 2002, 110, 271-289.	1.4	58
52	Uâ€“Pb zircon geochronology of silicic tuffs from the Timber Mountain/Oasis Valley caldera complex, Nevada: rapid generation of large volume magmas by shallow-level remelting. Contributions To Mineralogy and Petrology, 2006, 152, 649-665.	3.1	58
53	Zircon from historic eruptions in Iceland: reconstructing storage and evolution of silicic magmas. Mineralogy and Petrology, 2011, 102, 135-161.	1.1	57
54	Title is missing!. , 2012, 8, 292.		57

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55	Geochemical variations in the Central Southern Volcanic Zone, Chile (38â€“43Â°S): The role of fluids in generating arc magmas. Chemical Geology, 2014, 371, 27-45.	3.3	57
56	Trace elements in anorthite megacrysts from the Kurile Island Arc: a window to across-arc geochemical variations in magma compositions. Earth and Planetary Science Letters, 1999, 169, 209-226.	4.4	56
57	Fragmentation phenomena in populations of magmatic crystals. American Mineralogist, 2005, 90, 1801-1815.	1.9	56
58	Evolution of crystal sizes in the series of dissolution and precipitation events in open magma systems. Journal of Volcanology and Geothermal Research, 2008, 177, 997-1010.	2.1	56
59	Origin and significance of Si and O isotope heterogeneities in Phanerozoic, Archean, and Hadean zircon. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10287-10292.	7.1	56
60	Limits of hydrosphere-lithosphere interaction: Origin of the lowest-known Î´18O silicate rock on Earth in the Paleoproterozoic Karelian rift. Geology, 2010, 38, 631-634.	4.4	55
61	Geology, Petrology and O and H isotope geochemistry of remarkably 18O depleted Paleoproterozoic rocks of the Belomorian Belt, Karelia, Russia, attributed to global glaciation 2.4Ga. Earth and Planetary Science Letters, 2011, 306, 163-174.	4.4	55
62	Remelting in caldera and rift environments and the genesis of hot, â€œrecycledâ€•rhyolites. Earth and Planetary Science Letters, 2012, 337-338, 224-235.	4.4	54
63	Thermomechanical Modeling of the Formation of a Multilevel, Crustalâ€Scale Magmatic System by the Yellowstone Plume. Geophysical Research Letters, 2018, 45, 3873-3879.	4.0	54
64	Time constraints on the origin of large volume basalts derived from O-isotope and trace element mineral zoning and U-series disequilibria in the Laki and GrÃmsvÃ¶tn volcanic system. Earth and Planetary Science Letters, 2006, 245, 245-259.	4.4	53
65	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
66	Geochemistry of the late Holocene rocks from the Tolbachik volcanic field, Kamchatka: Quantitative modelling of subduction-related open magmatic systems. Journal of Volcanology and Geothermal Research, 2015, 307, 133-155.	2.1	53
67	New insights into the origin of Oâ€“Hfâ€“Os isotope signatures in arc lavas from Tongaâ€“Kermadec. Chemical Geology, 2009, 266, 187-193.	3.3	51
68	Iron and Oxygen Isotope Signatures of the Pea Ridge and Pilot Knob Magnetite-Apatite Deposits, Southeast Missouri, USA. Economic Geology, 2016, 111, 2033-2044.	3.8	51
69	Geochemical evolution of Phanerozoic magmatism in Transbaikalia, East Asia: A key constraint on the origin of K-rich silicic magmas and the process of cratonization. Journal of Geophysical Research, 1995, 100, 15641-15654.	3.3	50
70	Magmatic Differentiation at an Island-arc Caldera: Okmok Volcano, Aleutian Islands, Alaska. Journal of Petrology, 2008, 49, 857-884.	2.8	50
71	Highly explosive 2010 Merapi eruption: Evidence for shallow-level crustal assimilation and hybrid fluid. Journal of Volcanology and Geothermal Research, 2013, 261, 193-208.	2.1	49
72	Magmatic differentiation processes at Merapi Volcano: inclusion petrology and oxygen isotopes. Journal of Volcanology and Geothermal Research, 2013, 261, 38-49.	2.1	49

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73	Oxygen isotope heterogeneity of the mantle beneath the Canary Islands: insights from olivine phenocrysts. Contributions To Mineralogy and Petrology, 2011, 162, 349-363.	3.1	47
74	Probing the Volcanicâ€“Plutonic Connection and the Genesis of Crystal-rich Rhyolite in a Deeply Dissected Supervolcano in the Nevada Great Basin: Source of the Late Eocene Caetano Tuff. Journal of Petrology, 2016, 57, 1599-1644.	2.8	44
75	Field and microanalytical isotopic investigation of ultradepleted in 18O Paleoproterozoic â€œSlushball Earthâ€•rocks from Karelia, Russia. , 2014, 10, 308-339.		43
76	Rare sulfur and triple oxygen isotope geochemistry of volcanogenic sulfate aerosols. Geochimica Et Cosmochimica Acta, 2007, 71, 2326-2343.	3.9	41
77	Cumulate xenoliths from St. Vincent, Lesser Antilles Island Arc: a window into upper crustal differentiation of mantle-derived basalts. Contributions To Mineralogy and Petrology, 2012, 163, 189-208.	3.1	41
78	Multiple water isotope proxy reconstruction of extremely low last glacial temperatures in Eastern Beringia (Western Arctic). Quaternary Science Reviews, 2016, 137, 113-125.	3.0	41
79	New biotite and muscovite isotopic reference materials, USGS57 and USGS58, for Î´2H measurementsâ€“A replacement for NBS 30. Chemical Geology, 2017, 467, 89-99.	3.3	41
80	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
81	Oxygen isotope and trace element evidence for three-stage petrogenesis of the youngest episode (260â€“79Âka) of Yellowstone rhyolitic volcanism. Contributions To Mineralogy and Petrology, 2015, 170, 1.	3.1	40
82	Along and across arc geochemical variations in NW Central America: Evidence for involvement of lithospheric pyroxenite. Geochimica Et Cosmochimica Acta, 2012, 84, 459-491.	3.9	39
83	Insights on lavaâ€“ice/snow interactions from large-scale basaltic melt experiments. Geology, 2013, 41, 851-854.	4.4	39
84	Petrology and geochemistry of the 2014â€“2015 Holuhraun eruption, central Iceland: compositional and mineralogical characteristics, temporal variability and magma storage. Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	38
85	Geochemistry of primitive lavas of the Central Kamchatka Depression: Magma generation at the edge of the Pacific Plate. Geophysical Monograph Series, 2007, , 199-239.	0.1	36
86	Magma reservoir dynamics at Toba caldera, Indonesia, recorded by oxygen isotope zoning in quartz. Scientific Reports, 2017, 7, 40624.	3.3	36
87	Hydrogen isotope determination by TC/EA technique in application to volcanic glass as a window into secondary hydration. Journal of Volcanology and Geothermal Research, 2017, 348, 49-61.	2.1	35
88	A model of reverse differentiation at Dikii Greben' Volcano, Kamchatka: progressive basic magma vesiculation in a silicic magma chamber. Contributions To Mineralogy and Petrology, 1994, 117, 263-278.	3.1	34
89	Experimental investigation of rates and mechanisms of isotope exchange (O, H) between volcanic ash and isotopically-labeled water. Geochimica Et Cosmochimica Acta, 2013, 111, 5-27.	3.9	34
90	Glacial influence on caldera-forming eruptions. Journal of Volcanology and Geothermal Research, 2011, 202, 127-142.	2.1	33

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91	Bimodality of Lavas in the Teide-Pico Viejo Succession in Tenerife--the Role of Crustal Melting in the Origin of Recent Phonolites. Journal of Petrology, 2012, 53, 2465-2495.	2.8	33
92	Dating the Paleoproterozoic snowball Earth glaciations using contemporaneous subglacial hydrothermal systems. Geology, 2017, 45, 667-670.	4.4	33
93	Standardizing the reporting of Î”Ê¹17O data from high precision oxygen triple-isotope ratio measurements of silicate rocks and minerals. Chemical Geology, 2020, 532, 119332.	3.3	33
94	Mass-independent isotopic signatures of volcanic sulfate from three supereruption ash deposits in Lake Tecopa, California. Earth and Planetary Science Letters, 2009, 282, 102-114.	4.4	31
95	Supereruptions of the Snake River Plain: Two-stage derivation of low-Î´18O rhyolites from normal-Î´18O crust as constrained by Archean xenoliths. Geology, 2010, 38, 503-506.	4.4	31
96	The origin of high-Mg magmas in Mt Shasta and Medicine Lake volcanoes, Cascade Arc (California): higher and lower than mantle oxygen isotope signatures attributed to current and past subduction. Contributions To Mineralogy and Petrology, 2011, 162, 945-960.	3.1	31
97	Triple Oxygen Isotopes in Evolving Continental Crust, Granites, and Clastic Sediments. Reviews in Mineralogy and Geochemistry, 2021, 86, 241-290.	4.8	31
98	Hydrothermal alteration and melting of the crust during the Columbia River Basaltâ€“Snake River Plain transition and the origin of low-Î´ 18 O rhyolites of the central Snake River Plain. Lithos, 2015, 224-225, 310-323.	1.4	30
99	Triple oxygen and hydrogen isotopic study of hydrothermally altered rocks from the 2.43â€“2.41â€¯Ga Vetreny belt, Russia: An insight into the early Paleoproterozoic seawater. Geochimica Et Cosmochimica Acta, 2019, 248, 185-209.	3.9	30
100	Geochemical correlation of three large-volume ignimbrites from the Yellowstone hotspot track, Idaho, USA. Bulletin of Volcanology, 2012, 74, 261-277.	3.0	29
101	Stable isotope fractionation by thermal diffusion through partially molten wet and dry silicate rocks. Earth and Planetary Science Letters, 2013, 365, 51-62.	4.4	29
102	A Continuum from Iron Oxide Copper-Gold to Iron Oxide-Apatite Deposits: Evidence from Fe and O Stable Isotopes and Trace Element Chemistry of Magnetite. Economic Geology, 2020, 115, 1443-1459.	3.8	29
103	Revised Wonoka isotopic anomaly in South Australia and Late Ediacaran mass extinction. Journal of the Geological Society, 2014, 171, 709-722.	2.1	28
104	Oxygen isotope thermometry reveals high magmatic temperatures and short residence times in Yellowstone and other hot-dry rhyolites compared to cold-wet systems. American Mineralogist, 2016, 101, 1222-1227.	1.9	28
105	Sr and O isotopes in western Aleutian seafloor lavas: Implications for the source of fluids and trace element character of arc volcanic rocks. Earth and Planetary Science Letters, 2017, 475, 169-180.	4.4	28
106	Formation of the Mantoverde iron oxide-copper-gold (IOCG) deposit, Chile: insights from Fe and O stable isotopes and comparisons with iron oxide-apatite (IOA) deposits. Mineralium Deposita, 2020, 55, 1489-1504.	4.1	28
107	Conditions of pinnacle formation and glass hydration in cooling ignimbrite sheets from H and O isotope systematics at Crater Lake and the Valley of Ten Thousand Smokes. Earth and Planetary Science Letters, 2018, 500, 56-66.	4.4	27
108	Origins and evolution of rhyolitic magmas in the central Snake River Plain: insights from coupled high-precision geochronology, oxygen isotope, and hafnium isotope analyses of zircon. Contributions To Mineralogy and Petrology, 2018, 173, 1.	3.1	26

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109	Plio-Pleistocene climate change and timing of Peninsular Ranges uplift in southern California: Evidence from paleosols and stable isotopes in the Fish Creekâ€“Vallecito basin. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 305, 65-74.	2.3	25
110	Low-Î´D hydration rinds in Yellowstone perlites record rapid syneruptive hydration during glacial and interglacial conditions. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	25
111	Modeling of trace elemental zoning patterns in accessory minerals with emphasis on the origin of micrometer-scale oscillatory zoning in zircon. American Mineralogist, 2018, 103, 355-368.	1.9	25
112	Stability of Zircon and Its Isotopic Ratios in High-Temperature Fluids: Long-Term (4 months) Isotope Exchange Experiment at 850Â°C and 50 MPa. Frontiers in Earth Science, 2018, 6, .	1.8	25
113	Low- Î´ 18 O tephra from a compositionally zoned magma body: Fisher Caldera, Unimak Island, Aleutians. Journal of Volcanology and Geothermal Research, 2001, 111, 35-53.	2.1	24
114	Multi-Cyclic and Isotopically Diverse Silicic Magma Generation in an Arc Volcano: Gorely Eruptive Center, Kamchatka, Russia. Journal of Petrology, 2014, 55, 1561-1594.	2.8	24
115	Eruption mechanisms and short duration of large rhyolitic lava flows of Yellowstone. Earth and Planetary Science Letters, 2017, 458, 80-91.	4.4	24
116	When do we need pan-global freeze to explain 18O-depleted zircons and rocks?. Geology, 2011, 39, 799-800.	4.4	23
117	Triple oxygen isotope systematics as a tracer of fluids in the crust: A study from modern geothermal systems of Iceland. Chemical Geology, 2019, 530, 119312.	3.3	23
118	Hydrogen isotopes in high 3He/4He submarine basalts: Primordial vs. recycled water and the veil of mantle enrichment. Earth and Planetary Science Letters, 2019, 508, 62-73.	4.4	23
119	Zircon survival in shallow asthenosphere and deep lithosphere. American Mineralogist, 2020, 105, 1662-1671.	1.9	23
120	Contrasting conditions of rift and offâ€rift silicic magma origin on Iceland. Geophysical Research Letters, 2014, 41, 5813-5820.	4.0	22
121	Post-caldera Volcanism at the Heise Volcanic Field: Implications for Petrogenetic Models. Journal of Petrology, 2017, 58, 115-136.	2.8	22
122	Magma Source Evolution Following Subduction Initiation: Evidence From the Element Concentrations, Stable Isotope Ratios, and Water Contents of Volcanic Glasses From the Bonin Forearc (IODP Expedition 352). Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009054.	2.5	22
123	Triple Oxygen Isotope Trend Recorded by Precambrian Cherts: A Perspective from Combined Bulk and in situ Secondary Ion Probe Measurements. Reviews in Mineralogy and Geochemistry, 2021, 86, 323-365.	4.8	22
124	The Low-Î´18O Late-Stage Ferrodiorite Magmas in the Skaergaard Intrusion: Result of Liquid Immiscibility, Thermal Metamorphism, or Meteoric Water Incorporation into Magma?. Journal of Geology, 2008, 116, 571-586.	1.4	21
125	Triple oxygen isotope investigation of fine-grained sediments from major world's rivers: Insights into weathering processes and global fluxes into the hydrosphere. Earth and Planetary Science Letters, 2019, 528, 115851.	4.4	21
126	Tectonic and climate history influence the geochemistry of large-volume silicic magmas: New Î´18O data from the Central Andes with comparison to N America and Kamchatka. Journal of Volcanology and Geothermal Research, 2013, 262, 90-103.	2.1	20

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127	Holocene eruptions of Mt. Popa, Myanmar: Volcanological evidence of the ongoing subduction of Indian Plate along Arakan Trench. Journal of Volcanology and Geothermal Research, 2018, 360, 126-138.	2.1	19
128	Volcanic sulfate aerosol formation in the troposphere. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,660.	3.3	17
129	Large-magnitude Pauzhetka caldera-forming eruption in Kamchatka: Astrochronologic age, composition and tephra dispersal. Journal of Volcanology and Geothermal Research, 2018, 366, 1-12.	2.1	17
130	A global survey of radiogenic strontium isotopes in river sediments. Chemical Geology, 2021, 559, 119958.	3.3	17
131	Long-term evolution of terrestrial weathering and its link to Earth's oxygenation. Earth and Planetary Science Letters, 2022, 584, 117490.	4.4	17
132	In-situ oxygen isotope and trace element geothermometry of rutilated quartz from Alpine fissures. American Mineralogist, 2015, 100, 915-925.	1.9	16
133	Isotopic insights into the degassing and secondary hydration of volcanic glass from the 1980 eruptions of Mount St. Helens. Bulletin of Volcanology, 2018, 80, 1.	3.0	16
134	Low Î´18O rocks in the Belomorian belt, NW Russia, and Scourie dikes, NW Scotland: A record of ancient meteoric water captured by the early Paleoproterozoic global mafic magmatism. Precambrian Research, 2019, 333, 105431.	2.7	16
135	D/H ratios and H2O contents record degassing and rehydration history of rhyolitic magma and pyroclasts. Earth and Planetary Science Letters, 2020, 530, 115909.	4.4	16
136	Hot and Heterogenous Highâ€‹sup›3‹/sup›He/‹sup›4‹/sup›He Components: New Constraints From Protoâ€‹Iceland Plume Lavas From Baffin Island. Geochemistry, Geophysics, Geosystems, 2019, 20, 5939-5967.	2.5	15
137	Triple Oxygen (Î´18O, Î”17O), Hydrogen (Î´2H), and Iron (Î´56Fe) Stable Isotope Signatures Indicate a Silicate Magma Source and Magmatic-Hydrothermal Genesis for Magnetite Orebodies at El Laco, Chile. Economic Geology, 2020, 115, 1519-1536.	3.8	15
138	Diverse mantle components with invariant oxygen isotopes in the 2021 Fagradalsfjall eruption, Iceland. Nature Communications, 2022, 13, .	12.8	15
139	Alteration of volcaniclastic deposits at Minna Bluff: Geochemical insights on mineralizing environment and climate during the Late Miocene in Antarctica. Geochemistry, Geophysics, Geosystems, 2014, 15, 3258-3280.	2.5	14
140	Isotopically diverse rhyolites coeval with the Columbia River Flood Basalts: evidence for mantle plume interaction with the continental crust. Terra Nova, 2015, 27, 270-276.	2.1	14
141	Solubility, diffusivity, and O isotope systematics of H2O in rhyolitic glass in hydrothermal temperature experiments. Geochimica Et Cosmochimica Acta, 2020, 283, 222-242.	3.9	14
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