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List of Publications by Year
in descending order

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53	1,934	257450	254184
papers	citations	24 h-index	43 g-index

55	55	55	1656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Partitioning of Se, As, Sb, Te and Bi between monosulfide solid solution and sulfide melt â€“ Application to magmatic sulfide deposits. Geochimica Et Cosmochimica Acta, 2010, 74, 6174-6179.	3.9	141
2	The mechanism of borosilicate glass corrosion revisited. Geochimica Et Cosmochimica Acta, 2015, 158, 112-129.	3.9	137
3	Solubility of Pt in sulphide mattes: Implications for the genesis of PGE-rich horizons in layered intrusions. Geochimica Et Cosmochimica Acta, 2009, 73, 5764-5777.	3.9	110
4	New constraints on the genesis and long-term stability of Os-rich alloys in the Earthâ€™s mantle. Geochimica Et Cosmochimica Acta, 2012, 87, 227-242.	3.9	97
5	Noble metal nanoclusters and nanoparticles precede mineral formation in magmatic sulphide melts. Nature Communications, 2013, 4, 2405.	12.8	89
6	How chalcophile is rhenium? An experimental study of the solubility of Re in sulphide mattes. Earth and Planetary Science Letters, 2007, 260, 537-548.	4.4	84
7	Solubility of Os and Ir in sulfide melt: Implications for Re/Os fractionation during mantle melting. Earth and Planetary Science Letters, 2011, 311, 339-350.	4.4	76
8	The solubility of palladium and ruthenium in picritic melts: 2. The effect of sulfur. Geochimica Et Cosmochimica Acta, 2013, 108, 172-183.	3.9	75
9	Early Moon formation inferred from hafniumâ€“tungsten systematics. Nature Geoscience, 2019, 12, 696-700.	12.9	70
10	Oxygen solubility and speciation in sulphide-rich mattes. Geochimica Et Cosmochimica Acta, 2008, 72, 2619-2635.	3.9	68
11	Fractionation of platinum, palladium, nickel, and copper in sulfideâ€“arsenide systems at magmatic temperature. Contributions To Mineralogy and Petrology, 2013, 166, 1725-1737.	3.1	57
12	The U/Pb ratio of the Earth's mantleâ€”A signature of late volatile addition. Earth and Planetary Science Letters, 2013, 362, 237-245.	4.4	54
13	Pattern Formation in Silicate Glass Corrosion Zones. International Journal of Applied Glass Science, 2013, 4, 357-370.	2.0	50
14	Solubility of palladium in picritic melts: 1. The effect of iron. Geochimica Et Cosmochimica Acta, 2010, 74, 2989-2998.	3.9	49
15	Timing of high-pressure metamorphic events in the Bulgarian Rhodopes from Luâ€“Hf garnet geochronology. Contributions To Mineralogy and Petrology, 2012, 163, 897-921.	3.1	48
16	Chalcophile Elements and Sulfides in the Upper Mantle. Elements, 2017, 13, 111-116.	0.5	48
17	Spheroidal textures in igneous rocks â€“ Textural consequences of H2O saturation in basaltic melts. Geochimica Et Cosmochimica Acta, 2015, 167, 241-252.	3.9	41
18	Redox controls on tungsten and uranium crystal/silicate melt partitioning and implications for the U/W and Th/W ratio of the lunar mantle. Earth and Planetary Science Letters, 2014, 404, 1-13.	4.4	40

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19	Sulfide oxidation as a process for the formation of copper-rich magmatic sulfides. Mineralium Deposita, 2013, 48, 115-127.	4.1	38
20	Luâ€“Hf isotope evidence for Paleoproterozoic metamorphism and deformation of Archean oceanic crust along the Dharwar Craton margin, southern India. Precambrian Research, 2013, 233, 206-222.	2.7	35
21	Middle Ordovician subduction of continental crust in the Scandinavian Caledonides: an example from Tjeliken, Seve Nappe Complex, Sweden. Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	35
22	Redox dependent behaviour of molybdenum during magmatic processes in the terrestrial and lunar mantle: Implications for the Mo/W of the bulk silicate Moon. Earth and Planetary Science Letters, 2017, 474, 503-515.	4.4	27
23	Dating the initiation of Piemonte-Liguria Ocean subduction: Luâ€“Hf garnet chronometry of eclogites from the Theodul Glacier Unit (Zermatt-Saas zone, Switzerland). Swiss Journal of Geosciences, 2015, 108, 183-199.	1.2	26
24	Luâ€“Hf garnet systematics of a polymetamorphic basement unit: new evidence for coherent exhumation of the Adula Nappe (Central Alps) from eclogite-facies conditions. Contributions To Mineralogy and Petrology, 2014, 168, 1.	3.1	25
25	Devonian subduction and syncollisional exhumation of continental crust in Lofoten, Norway. Geology, 2016, 44, 223-226.	4.4	25
26	Investigating metasomatic effects on the 187Os isotopic signature: A case study on micrometric base metal sulphides in metasomatised peridotite from the Letlhakane kimberlite (Botswana). Lithos, 2015, 232, 35-48.	1.4	23
27	The effect of titanium on the partitioning behavior of high-field strength elements between silicates, oxides and lunar basaltic melts with applications to the origin of mare basalts. Chemical Geology, 2016, 440, 219-238.	3.3	23
28	High-pressure metamorphic age and significance of eclogite-facies continental fragments associated with oceanic lithosphere in the Western Alps (Etirol-Levaz Slice, Valtournenche, Italy). Lithos, 2016, 252-253, 145-159.	1.4	22
29	Two high-pressure metamorphic events, Variscan and Alpine, dated by Luâ€“Hf in an eclogite complex of the Austroalpine nappes (Schobergruppe, Austria). International Journal of Earth Sciences, 2019, 108, 1317-1331.	1.8	22
30	Silicate Earthâ€™s missing niobium may have been sequestered into asteroidal cores. Nature Geoscience, 2017, 10, 822-826.	12.9	21
31	The great sulfur depletion of Earthâ€™s mantle is not a signature of mantleâ€“core equilibration. Contributions To Mineralogy and Petrology, 2017, 172, 1.	3.1	21
32	Micro-analytical uranium isotope and chemical investigations of zircon crystals from the Chernobyl â€œlavaâ€•and their nuclear fuel inclusions. Journal of Nuclear Materials, 2013, 439, 51-56.	2.7	20
33	Noble metals potential of sulfide-saturated melts from the subcontinental lithosphere. Geology, 2013, 41, 575-578.	4.4	20
34	Fingerprinting fluid sources in Troodos ophiolite complex orbicular glasses using high spatial resolution isotope and trace element geochemistry. Geochimica Et Cosmochimica Acta, 2017, 200, 145-166.	3.9	20
35	The redox dependence of titanium isotope fractionation in synthetic Ti-rich lunar melts. Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	18
36	Timing of eclogite-facies metamorphism of mafic and ultramafic rocks from the Pohorje Mountains (Eastern Alps, Slovenia) based on Luâ€“Hf garnet geochronometry. Lithos, 2016, 262, 576-585.	1.4	17

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37	The behavior of Pt, Pd, Cu and Ni in the Se-sulfide system between 1050 and 700 Â°C and the role of Se in platinum-group elements fractionation in sulfide melts. Geochimica Et Cosmochimica Acta, 2017, 216, 141-152.	3.9	16
38	Nanoscale variations in 187 Os isotopic composition and HSE systematics in a Bultfontein peridotite. Earth and Planetary Science Letters, 2016, 447, 60-71.	4.4	15
39	Concentrations of Pt, Pd, S, As, Se and Te in silicate melts at sulfide, arsenide, selenide and telluride saturation: evidence of PGE complexing in silicate melts?. Contributions To Mineralogy and Petrology, 2020, 175, 1.	3.1	15
40	Understanding Reâ€“Os systematics and model ages in metamorphosed Archean ultramafic rocks: A single mineral to whole-rock investigation. Geochimica Et Cosmochimica Acta, 2015, 167, 205-240.	3.9	14
41	Fractionation of rhenium from osmium during noble metal alloy formation in association with sulfides: Implications for the interpretation of model ages in alloy-bearing magmatic rocks. Geochimica Et Cosmochimica Acta, 2017, 216, 184-200.	3.9	14
42	Constraining the process of intracontinental subduction in the Austroalpine Nappes: Implications from petrology and Luâ€Hf geochronology of eclogites. Journal of Metamorphic Geology, 2022, 40, 423-456.	3.4	13
43	An experimental study of the partitioning of trace elements between rutile and silicate melt as a function of oxygen fugacity. Anais Da Academia Brasileira De Ciencias, 2014, 86, 1609-1629.	0.8	12
44	Mesoarchean melting and Neoarchean to Paleoproterozoic metasomatism during the formation of the cratonic mantle keel beneath West Greenland. Geochimica Et Cosmochimica Acta, 2017, 203, 37-53.	3.9	12
45	Late Cretaceous eclogite in the Eastern Rhodopes (Bulgaria): evidence for subduction under the Sredna Gora magmatic arc. International Journal of Earth Sciences, 2018, 107, 2083-2099.	1.8	10
46	Partition behavior of platinum-group elements during the segregation of arsenide melts from sulfide magma. American Mineralogist, 2020, 105, 1889-1897.	1.9	8
47	Luâ€“Hf geochronology of ultra-high-pressure eclogites from the TromsÃ¸-Nappe, Scandinavian Caledonides: evidence for rapid subduction and exhumation. International Journal of Earth Sciences, 2020, 109, 1727-1742.	1.8	7
48	Reply to: No 182W evidence for early Moon formation. Nature Geoscience, 2021, 14, 716-718.	12.9	6
49	Two metamorphic gold mineralization events confirmed by Lu-Hf isotope dating of garnet in the Late Archean StorÅ Au deposit, Nuuk region of SW Greenland. Ore Geology Reviews, 2020, 121, 103476.	2.7	5
50	Formation mechanisms of macroscopic globules in andesitic glasses from the Izuâ€“Boninâ€“Mariana forearc (IODP Expedition 352). Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	4
51	Re-Os and HSE in individual base metal sulfide grains: Evaluating micro-analytical procedures using a sulfide reference material. Chemical Geology, 2018, 493, 426-440.	3.3	2
52	A remarkable discovery of electrum on the island of Sylt, northern Germany, and its Scandinavian origin. European Journal of Mineralogy, 2021, 33, 373-387.	1.3	1
53	Development of a Bi/Tl separation scheme for the proof of 209Bi Î±-decay in old mineral samples. Journal of Radioanalytical and Nuclear Chemistry, 2020, 325, 357-363.	1.5	0