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List of Publications by Year in descending order

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58 papers	2,450 citations	201674 27 h-index	197818 49 g-index
59 all docs	59 docs citations	59 times ranked	1490 citing authors

#	Article	IF	Citations
1	Geochemical evolution of halogen-enriched granite magmas and mineralizing fluids of the Zinnwald tin-tungsten mining district, Erzgebirge, Germany. Mineralium Deposita, 2004, 39, 452.	4.1	174
2	Formation of extremely F-rich hydrous melt fractions and hydrothermal fluids during differentiation of highly evolved tin-granite magmas: a melt/fluid-inclusion study. Contributions To Mineralogy and Petrology, 2005, 148, 582-601.	3.1	170
3	Melt inclusions in quartz from an evolved peraluminous pegmatite: Geochemical evidence for strong tin enrichment in fluorine-rich and phosphorus-rich residual liquids. Geochimica Et Cosmochimica Acta, 1997, 61, 2589-2604.	3.9	157
4	The behaviour of boron in a peraluminous granite-pegmatite system and associated hydrothermal solutions: a melt and fluid-inclusion study. Contributions To Mineralogy and Petrology, 2003, 144, 457-472.	3.1	114
5	The competing models for the origin and internal evolution of granitic pegmatites in the light of melt and fluid inclusion research. Mineralogy and Petrology, 2012, 106, 55-73.	1.1	110
6	Experimental evidence of three coexisting immiscible fluids in synthetic granitic pegmatite. American Mineralogist, 2002, 87, 775-779.	1.9	100
7	Immiscible hydrous Feâ€“Caâ€“P melt and the origin of iron oxide-apatite ore deposits. Nature Communications, 2018, 9, 1415.	12.8	98
8	An experimental study of B-, P- and F-rich synthetic granite pegmatite at 0.1 and 0.2ÂGPa. Contributions To Mineralogy and Petrology, 2002, 143, 673-683.	3.1	97
9	Dating multiply overprinted Sn-mineralized granitesâ€”examples from the Erzgebirge, Germany. Mineralium Deposita, 2007, 42, 337-359.	4.1	88
10	The behavior of trace elements during the chemical evolution of the H2O-, B-, and F-rich graniteâ€“pegmatiteâ€“hydrothermal system at Ehrenfriedersdorf, Germany: a SXRF study of melt and fluid inclusions. Mineralium Deposita, 2006, 41, 229-245.	4.1	87
11	IR calibrations for water determination in olivine, r-GeO2, and SiO2 polymorphs. Physics and Chemistry of Minerals, 2009, 36, 489-509.	0.8	87
12	Magmatic origin of low-Ca olivine in subduction-related magmas: Co-existence of contrasting magmas. Chemical Geology, 2006, 233, 346-357.	3.3	85
13	Arrival of extremely volatile-rich high-Mg magmas changes explosivity of Mount Etna. Geology, 2007, 35, 255.	4.4	76
14	Nbâ€“Taâ€“(Tiâ€“Sn) oxide mineral chemistry as tracer of rare-element granitic pegmatite fractionation in the Borborema Province, Northeastern Brazil. Mineralium Deposita, 2008, 43, 207-228.	4.1	66
15	Determination of the H₃BO₃concentration in fluid and melt inclusions in granite pegmatites by laser Raman microprobe spectroscopy. American Mineralogist, 2002, 87, 56-68.	1.9	63
16	Application of Raman spectroscopy to quantify trace water concentrations in glasses and garnets. American Mineralogist, 2008, 93, 1550-1557.	1.9	57
17	A melt and fluid inclusion assemblage in beryl from pegmatite in the Orlovka amazonite granite, East Transbaikalia, Russia: implications for pegmatite-forming melt systems. Mineralogy and Petrology, 2009, 96, 129-140.	1.1	56
18	Unusual rare earth element fractionation in a tin-bearing magmatic-hydrothermal system. Geology, 2011, 39, 295-298.	4.4	56

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19	Extreme alkali bicarbonate- and carbonate-rich fluid inclusions in granite pegmatite from the Precambrian RÃ¸nne granite, Bornholm Island, Denmark. Contributions To Mineralogy and Petrology, 2011, 161, 315-329.	3.1	54
20	The miarolitic pegmatites from the KÃ¶nigshain: a contribution to understanding the genesis of pegmatites. Contributions To Mineralogy and Petrology, 2009, 157, 505-523.	3.1	48
21	Laser Raman spectroscopic measurements of water in unexposed glass inclusions. American Mineralogist, 2006, 91, 467-470.	1.9	41
22	Perspectives for Li- and Ta-Mineralization in the Borborema Pegmatite Province, NE-Brazil: A review. Journal of South American Earth Sciences, 2014, 56, 110-127.	1.4	39
23	Comment on â€œA petrologic assessment of internal zonation in granitic pegmatitesâ€•by David London (2014). Lithos, 2015, 212-215, 462-468.	1.4	38
24	Estimation of the viscosity and the water content of silicate melts from melt inclusion data. European Journal of Mineralogy, 1994, 6, 511-535.	1.3	37
25	Hambergite-rich melt inclusions in morganite crystals from the Muiane pegmatite, Mozambique and some remarks on the paragenesis of hambergite. Mineralogy and Petrology, 2010, 100, 227-239.	1.1	36
26	Tantalite-(Mn) from the Borborema Pegmatite Province, northeastern Brazil: conditions of formation and melt- and fluid-inclusion constraints on experimental studies. Mineralium Deposita, 2011, 46, 749-759.	4.1	36
27	Ramanite-(Cs) and ramanite-(Rb): New cesium and rubidium pentaborate tetrahydrate minerals identified with Raman spectroscopy. American Mineralogist, 2008, 93, 1034-1042.	1.9	35
28	Origin of coexisting wustite, MgFe and REE phosphate minerals in graphite-bearing fluorapatite from the Rumburk granite. European Journal of Mineralogy, 2010, 22, 495-507.	1.3	27
29	Analysis of boron in fluid inclusions by microthermometry, laser ablation ICP-MS, and Raman spectroscopy: Application to the Cryo-Genie Pegmatite, San Diego County, California, USA. Chemical Geology, 2013, 342, 138-150.	3.3	27
30	Water content of granitic melts from Cornwall and Erzgebirge: A Raman spectroscopy study of melt inclusions. European Journal of Mineralogy, 2006, 18, 429-440.	1.3	24
31	Water- and Boron-Rich Melt Inclusions in Quartz from the Malkhan Pegmatite, Transbaikalia, Russia. Minerals (Basel, Switzerland), 2012, 2, 435-458.	2.0	24
32	The enhanced element enrichment in the supercritical states of graniteâ€“pegmatite systems. Acta Geochimica, 2019, 38, 335-349.	1.7	24
33	Trace-element analysis of individual synthetic and natural fluid inclusions with synchrotron radiation XRF using Monte Carlo simulations for quantification. European Journal of Mineralogy, 2004, 16, 23-35.	1.3	23
34	Alkali-F-Rich Albite Zones in Evolved NYF Pegmatites: The Product of Meltâ€“melt Immiscibility. Canadian Mineralogist, 2018, 56, 657-687.	1.0	20
35	Origin of miarolitic pegmatites in the KÃ¶nigshain granite/Lusatia. Lithos, 2016, 260, 225-241.	1.4	19
36	Nitrogen-bearing fluids, brines and carbonate liquids in Variscan migmatites of the Tatra Mountains, Western Carpathians - heritage of high-pressure metamorphism. European Journal of Mineralogy, 2000, 12, 1283-1300.	1.3	17

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37	Mineral chemistry of tantalate species new in the Borborema Pegmatitic Province, Northeast Brazil. Anais Da Academia Brasileira De Ciencias, 2005, 77, 169-182.	0.8	15
38	Optical absorption, luminescence, and electron paramagnetic resonance (EPR) spectroscopy of crystalline to metamict zircon: Evidence for formation of uranyl, manganese, and other optically active centers. American Mineralogist, 2010, 95, 335-347.	1.9	15
39	Fluid-assisted retrogression of garnet and Pâ€“T history of metapelites from HP/UHP metamorphic terrane (Pohorje Mountains, Eastern Alps). Contributions To Mineralogy and Petrology, 2010, 160, 203-218.	3.1	13
40	Protonation in germanium equivalents of ringwoodite, anhydrous phase B, and superhydrous phase B. American Mineralogist, 2008, 93, 1282-1294.	1.9	12
41	A proposed new mineralogical classification system for granitic pegmatites â€“ Part I: History and the need for a new classification. Canadian Mineralogist, 2022, 60, 203-227.	1.0	11
42	The application of Raman spectroscopy in the study of fluid and melt inclusions. Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2012, 163, 113-126.	0.4	10
43	Substitution-induced internal strain and high disorder in weakly radiation damaged hydrothermal zircon from Mt. Malosa, Malawi. European Journal of Mineralogy, 2018, 30, 659-679.	1.3	9
44	Fluid and Melt Inclusion Microthermometry. , 2015, , 59-115.		8
45	Direct Observation of Boro-Aluminosilicate Melt Compositions: Insights From Raman Spectroscopy of Melt Inclusions In Pegmatitic Tourmaline of the Gatumba-Gitarama Area (Rwanda). Canadian Mineralogist, 2017, 55, 377-397.	1.0	8
46	Evaluation of the petrogenetic significance of melt inclusions in pegmatitic schorl-dravite from graphic tourmaline-quartz assemblages: Application of LA-ICP-QMS analyses and volume ratio calculations. Geochimica Et Cosmochimica Acta, 2019, 244, 308-335.	3.9	8
47	Raman and Infrared Spectroscopic Analysis. , 2015, , 231-279.		6
48	Genetic significance of the 867Âcmâ^'â€‰1 out-of-plane Raman mode in graphite associated with V-bearing green grossular. Mineralogy and Petrology, 2018, 112, 633-645.	1.1	6
49	Hingganite-(Y) from a small aplite vein in granodiorite from Oppach, Lusatian Mts., E-Germany. Mineralogy and Petrology, 2017, 111, 821-826.	1.1	5
50	Tectonic and fluid inclusion constraints on the origin of quartz veins with giant crystals in the Tocantins structural province (CristalÃ¢ndia, central Brazil). Journal of South American Earth Sciences, 2006, 21, 239-251.	1.4	4
51	Discovery of Stishovite in the Prismatine-Bearing Granulite from Waldheim, Germany: A Possible Role of Supercritical Fluids of Ultrahigh-Pressure Origin. Geosciences (Switzerland), 2022, 12, 196.	2.2	4
52	Interpretation of Microthermometric Data. , 2015, , 117-170.		2
53	Macrocrystic corundum and Feâ€“Ti oxide minerals entrained in alkali basalts from the Eger (OhÅ™e) Rift: Mgâ^'Fe3+-rich ilmenite as tracer of an oxidized upper mantle. Mineralogy and Petrology, 2014, 108, 645-662.	1.1	1
54	Fluid Thermodynamics. , 2015, , 171-230.		1

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55	Emerald from the Habachtal: new observations. Mineralogy and Petrology, 2020, 114, 161-173.	1.1	1
56	General Characteristics of Geofluids. , 2015, , 1-22.		1
57	Miscellaneous Spectrometric and Chromatographic Methods. , 2015, , 281-292.		0
58	Shaw meteorite: water-poor and water-rich melt inclusions in olivine and enstatite. Mineralogy and Petrology, 2019, 113, 1-5.	1.1	0