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List of Publications by Year
in descending order

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43 papers	3,293 citations	186265 28 h-index	265206 42 g-index
43 all docs	43 docs citations	43 times ranked	2251 citing authors

#	Article	IF	Citations
1	The titanium-in-quartz (TitaniQ) thermobarometer: A critical examination and re-calibration. Geochimica Et Cosmochimica Acta, 2012, 84, 75-89.	3.9	291
2	Quantitative analysis of major, minor and trace elements in fluid inclusions using laser ablationâ€“inductively coupled plasmamass spectrometry. Journal of Analytical Atomic Spectrometry, 1998, 13, 263-270.	3.0	285
3	Recent developments in element concentration and isotope ratio analysis of individual fluid inclusions by laser ablation single and multiple collector ICP-MS. Ore Geology Reviews, 2012, 44, 10-38.	2.7	227
4	Magmatic-to-hydrothermal crystallization in the Wâ€“Sn mineralized Mole Granite (NSW, Australia). Chemical Geology, 2005, 220, 191-213.	3.3	215
5	Partitioning of Nb and Ta between rutile and felsic melt and the fractionation of Nb/Ta during partial melting of hydrous metabasalt. Geochimica Et Cosmochimica Acta, 2011, 75, 1673-1692.	3.9	143
6	Mobility and H 2 O loss from fluid inclusions in natural quartz crystals. Contributions To Mineralogy and Petrology, 1999, 137, 1-14.	3.1	141
7	Solubility of rutile in subduction zone fluids, as determined by experiments in the hydrothermal diamond anvil cell. Earth and Planetary Science Letters, 2005, 232, 393-402.	4.4	140
8	The Metal Content of Magmatic-Hydrothermal Fluids and Its Relationship to Mineralization Potential. Economic Geology, 2019, 114, 1033-1056.	3.8	136
9	The origin of the negative niobium tantalum anomaly in subduction zone magmas. Earth and Planetary Science Letters, 2008, 267, 290-300.	4.4	133
10	Viscosity of Fluids in Subduction Zones. Science, 2004, 303, 513-516.	12.6	113
11	Effects of temperature, silicate melt composition, and oxygen fugacity on the partitioning of V, Mn, Co, Ni, Cu, Zn, As, Mo, Ag, Sn, Sb, W, Au, Pb, and Bi between sulfide phases and silicate melt. Geochimica Et Cosmochimica Acta, 2015, 162, 25-45.	3.9	108
12	High Cu concentrations in vapor-type fluid inclusions: An artifact?. Geochimica Et Cosmochimica Acta, 2012, 88, 255-274.	3.9	104
13	The genesis of Climax-type porphyry Mo deposits: Insights from fluid inclusions and melt inclusions. Ore Geology Reviews, 2017, 88, 436-460.	2.7	88
14	Experimental constraints on rutile saturation during partial melting of metabasalt at the amphibolite to eclogite transition, with applications to TTG genesis. American Mineralogist, 2009, 94, 1175-1186.	1.9	86
15	Source of metals in the Guocheng gold deposit, Jiaodong Peninsula, North China Craton: Link to early Cretaceous mafic magmatism originating from Paleoproterozoic metasomatized lithospheric mantle. Ore Geology Reviews, 2012, 48, 70-87.	2.7	84
16	Magmatic-to-hydrothermal crystallization in the Wâ€“Sn mineralized Mole Granite (NSW, Australia). Chemical Geology, 2005, 220, 215-235.	3.3	82
17	Solubility of tin in (Cl, F)-bearing aqueous fluids at 700Â°C, 140MPa: A LA-ICP-MS study on synthetic fluid inclusions. Geochimica Et Cosmochimica Acta, 2007, 71, 3323-3335.	3.9	81
18	Characterisation of a Natural Quartz Crystal as a Reference Material for Microanalytical Determination of Ti, Al, Li, Fe, Mn, Ga and Ge. Geostandards and Geoanalytical Research, 2015, 39, 171-184.	3.1	81

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19	Compositional Evolution and Formation Conditions of Magmas and Fluids Related to Porphyry Mo Mineralization at Climax, Colorado. Journal of Petrology, 2015, 56, 1519-1546.	2.8	80
20	The mobility of U and Th in subduction zone fluids: an indicator of oxygen fugacity and fluid salinity. Contributions To Mineralogy and Petrology, 2011, 161, 597-613.	3.1	76
21	Molybdenite Saturation in Silicic Magmas: Occurrence and Petrological Implications. Journal of Petrology, 2011, 52, 891-904.	2.8	68
22	Zircon solubility in aqueous fluids at high temperatures and pressures. Geochimica Et Cosmochimica Acta, 2013, 119, 178-187.	3.9	56
23	Solubility of molybdenite (MoS2) in aqueous fluids at 600â€“800Â°C, 200MPa: A synthetic fluid inclusion study. Geochimica Et Cosmochimica Acta, 2012, 77, 175-185.	3.9	52
24	Formation and evolution of multistage magmatic-hydrothermal fluids at the Yulong porphyry Cu-Mo deposit, eastern Tibet: Insights from LA-ICP-MS analysis of fluid inclusions. Geochimica Et Cosmochimica Acta, 2018, 232, 181-205.	3.9	51
25	Rutile solubility in hydrous rhyolite melts at 750â€“900Â°C and 2kbar, with application to titanium-in-quartz (TitaniQ) thermobarometry. Geochimica Et Cosmochimica Acta, 2014, 125, 196-209.	3.9	46
26	Quantification of transient signals in multiple collector inductively coupled plasma mass spectrometry: accurate lead isotope ratio determination by laser ablation of individual fluid inclusions. Journal of Analytical Atomic Spectrometry, 2011, 26, 475-492.	3.0	43
27	Chemistry, Mineralogy and Crystallization Conditions of Porphyry Mo-forming Magmas at Uradâ€“Henderson and Silver Creek, Colorado, USA. Journal of Petrology, 2017, 58, 277-296.	2.8	31
28	Magmatic-Hydrothermal Fluids. Elements, 2020, 16, 401-406.	0.5	30
29	Magmatic-Hydrothermal Evolution of the Barren Huangshan Pluton, Anhui Province, China: A Melt and Fluid Inclusion Study. Economic Geology, 2018, 113, 803-824.	3.8	29
30	Origin of Ti-rich rims in quartz phenocrysts from the Upper Bandelier Tuff and the Tunnel Spring Tuff, southwestern USA. Chemical Geology, 2013, 360-361, 99-104.	3.3	28
31	Transfer of volatiles and metals from mafic to felsic magmas in composite magma chambers: An experimental study. Geochimica Et Cosmochimica Acta, 2017, 198, 360-378.	3.9	27
32	Copper and Li diffusion in plagioclase, pyroxenes, olivine and apatite, and consequences for the composition of melt inclusions. Geochimica Et Cosmochimica Acta, 2018, 243, 99-115.	3.9	27
33	Origin and Evolution of Magmas in the Porphyry Au-mineralized Javorie Volcano (Central Slovakia): Evidence from Thermobarometry, Melt Inclusions and Sulfide Inclusions. Journal of Petrology, 2019, 60, 2449-2482.	2.8	19
34	Solubility of gold in oxidized, sulfur-bearing fluids at 500â€“850â€Â°C and 200â€“230â€MPa: A synthetic fluid inclusion study. Geochimica Et Cosmochimica Acta, 2018, 222, 655-670.	3.9	17
35	A method to synthesize large fluid inclusions in quartz at controlled times and under unfavorable growth conditions. American Mineralogist, 2009, 94, 367-371.	1.9	16
36	Abundances of S, Ga, Ge, Cd, In, Tl and 32 other major to trace elements in high-temperature (350â€“700â€Â°C) magmatic-hydrothermal fluids. Ore Geology Reviews, 2019, 109, 630-642.	2.7	13

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37	A new technique to seal volatile-rich samples into platinum capsules. European Journal of Mineralogy, 2010, 22, 23-27.	1.3	10
38	Magmatic evolution of the mineralized Åtiavnica volcano (Central Slovakia): Evidence from thermobarometry, melt inclusions, and sulfide inclusions. Journal of Volcanology and Geothermal Research, 2020, 401, 106967.	2.1	10
39	In situ Reaction-replacement Origin of Hornblendites in the Early Cretaceous Laiyuan Complex, North China Craton, and Implications for its Tectono-magmatic Evolution. Journal of Petrology, 2021, 62, .	2.8	9
40	Gold diffusion into and out of quartz-hosted fluid inclusions during re-equilibration experiments at 600â€“800 Â°C and 2 kbar. Chemical Geology, 2018, 476, 1-10.	3.3	8
41	The quartz capsule - a new method to avoid alloying problems with noble-metal capsules in hydrothermal experiments. European Journal of Mineralogy, 2012, 24, 683-693.	1.3	6
42	Comment on â€œTi-in-quartz thermobarometry and TiO2 solubility in rhyolitic melts: New experiments and parametrizationâ€• by Zhang et al. [Earth Planet. Sci. Lett. 538 (2020) 116213]. Earth and Planetary Science Letters, 2021, 561, 116847.	4.4	3
43	The single-crystal diamond trap (SCDT): a new method to determine the composition of high-Pâ€“T fluids. Contributions To Mineralogy and Petrology, 2022, 177, .	3.1	0