

Alexander P Gysi

List of Publications by Year in descending order

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24
papers

1,046
citations

567144

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h-index

610775

24
g-index

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docs citations

25
times ranked

920
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal mobilization of pegmatite-hosted REE and Zr at Strange Lake, Canada: A reaction path model. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 324-352.	1.6	135
2	CO ₂ -water-basalt interaction. Low temperature experiments and implications for CO ₂ sequestration into basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 81, 129-152.	1.6	118
3	CO ₂ -water-basalt interaction. Numerical simulation of low temperature CO ₂ sequestration into basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 4728-4751.	1.6	97
4	Mineralogical aspects of CO ₂ sequestration during hydrothermal basalt alteration – An experimental study at 75 to 250°C and elevated pCO ₂ . <i>Chemical Geology</i> , 2012, 306-307, 146-159.	1.4	79
5	Petrogenesis of Pyroxenites and Melt Infiltrations in the Ultramafic Complex of Beni Bousera, Northern Morocco. <i>Journal of Petrology</i> , 2011, 52, 1679-1735.	1.1	75
6	The thermodynamic properties of bastnaesite-(Ce) and parisite-(Ce). <i>Chemical Geology</i> , 2015, 392, 87-101.	1.4	73
7	Experiments and geochemical modeling of CO ₂ sequestration during hydrothermal basalt alteration. <i>Chemical Geology</i> , 2012, 306-307, 10-28.	1.4	68
8	Numerical modelling of CO ₂ -water-basalt interaction. <i>Mineralogical Magazine</i> , 2008, 72, 55-59.	0.6	64
9	Lithochemical Vectors for Hydrothermal Processes in the Strange Lake Peralkaline Granitic REE-Zr-Nb Deposit. <i>Economic Geology</i> , 2016, 111, 1241-1276.	1.8	63
10	Rapid solubility and mineral storage of CO ₂ in basalt. <i>Energy Procedia</i> , 2014, 63, 4561-4574.	1.8	52
11	The solubility of xenotime-(Y) and other HREE phosphates (DyPO ₄ , ErPO ₄ and YbPO ₄) in aqueous solutions from 100 to 250 °C and p sat. <i>Chemical Geology</i> , 2015, 401, 83-95.	1.4	43
12	Rare Earth Elements in Mineral Deposits: Speciation in Hydrothermal Fluids and Partitioning in Calcite. <i>Geofluids</i> , 2018, 2018, 1-19.	0.3	37
13	The solubility of monazite (CePO ₄), SmPO ₄ , and GdPO ₄ in aqueous solutions from 100 to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 242, 143-164.	1.6	19
14	The role of hydrocarbons in ore formation at the Pillara Mississippi Valley-type Zn-Pb deposit, Canning Basin, Western Australia. <i>Ore Geology Reviews</i> , 2018, 102, 875-893.	1.1	19
15	Numerical simulations of CO ₂ sequestration in basaltic rock formations: challenges for optimizing mineral-fluid reactions. <i>Pure and Applied Chemistry</i> , 2017, 89, 581-596.	0.9	17
16	Hydrothermal calcite-fluid REE partitioning experiments at 200°C and saturated water vapor pressure. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 177-197.	1.6	17
17	The solubility of monazite (LaPO ₄ , PrPO ₄ , NdPO ₄ , and EuPO ₄) endmembers in aqueous solutions from 100 to 250°C. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 302-316.	1.6	15
18	Experimental determination of the high temperature heat capacity of a natural xenotime-(Y) solid solution and synthetic DyPO ₄ and ErPO ₄ endmembers. <i>Thermochimica Acta</i> , 2016, 627-629, 61-67.	1.2	14

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19	Porphyry-related polymetallic Au-Ag vein deposit in the Central City district, Colorado: Mineral paragenesis and pyrite trace element chemistry. <i>Ore Geology Reviews</i> , 2020, 119, 103295.	1.1	14
20	Fluid Chemistry of Mid-Ocean Ridge Hydrothermal Vents: A Comparison between Numerical Modeling and Vent Geochemical Data. <i>Geofluids</i> , 2018, 2018, 1-20.	0.3	10
21	Hydrothermal solubility of TbPO ₄ , HoPO ₄ , TmPO ₄ , and LuPO ₄ xenotime endmembers at pH of 2 and temperatures between 100 and 250°C. <i>Chemical Geology</i> , 2021, 567, 120072.	1.4	9
22	Beryl as indicator of metasomatic processes in the California Blue Mine topaz-beryl pegmatite and associated miarolitic pockets. <i>Lithos</i> , 2021, 404-405, 106485.	0.6	4
23	Comment on "Synthesis of ceria (CeO ₂ and CeO _{2-x}) nanoparticles via decarbonation and Ce(III) oxidation of synthetic bastnaesite (CeCO ₃ F)" by Montes-Hernandez et al.. <i>Materials Chemistry and Physics</i> , 2016, 183, 1-5.	2.0	2
24	Advances in Numerical Simulations of Hydrothermal Ore Forming Processes. <i>Geofluids</i> , 2020, 2020, 1-4.	0.3	2