

Samuel Scott

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

393
citations

933447

10
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Geologic controls on supercritical geothermal resources above magmatic intrusions. <i>Nature Communications</i> , 2015, 6, 7837.	12.8	100
2	Geological controls on geothermal resources for power generation. <i>Nature Reviews Earth & Environment</i> , 2021, 2, 324-339.	29.7	82
3	The thermal structure and temporal evolution of high-enthalpy geothermal systems. <i>Geothermics</i> , 2016, 62, 33-47.	3.4	46
4	Boiling and condensation of saline geothermal fluids above magmatic intrusions. <i>Geophysical Research Letters</i> , 2017, 44, 1696-1705.	4.0	41
5	Gas chemistry, boiling and phase segregation in a geothermal system, Hellisheidi, Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 124, 170-189.	3.9	32
6	Permeability Changes Resulting from Quartz Precipitation and Dissolution around Upper Crustal Intrusions. <i>Geofluids</i> , 2018, 2018, 1-19.	0.7	24
7	Supercritical fluids around magmatic intrusions: IDDP-1 at Krafla, Iceland. <i>Geothermics</i> , 2019, 78, 101-110.	3.4	20
8	A probabilistic geologic model of the Krafla geothermal system constrained by gravimetric data. <i>Geothermal Energy</i> , 2019, 7, .	1.9	16
9	Volumetric Properties of Mixed Electrolyte Aqueous Solutions at Elevated Temperatures and Pressures. The Systems CaCl_2 - NaCl - H_2O and MgCl_2 - NaCl - H_2O to 523.15 K, 70 MPa, and Ionic Strength from (0.1 to 18) $\text{mol}\cdot\text{kg}^{-1}$. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2570-2588.	1.9	13
10	Decompression boiling and natural steam cap formation in high-enthalpy geothermal systems. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 395, 106765.	2.1	12
11	Multiple stable isotope fronts during non-isothermal fluid flow. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 537-557.	3.9	4
12	Bayesian Calibration of a Natural State Geothermal Reservoir Model, Krafla, North Iceland. <i>Water Resources Research</i> , 2022, 58, .	4.2	3