

Steven E Ingebritsen

List of Publications by Year in descending order

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40
papers

3,011
citations

218677

26
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

2708
citing authors

#	ARTICLE	IF	CITATIONS
1	Post Audit of Simulated Groundwater Flow to a Short-Lived (2019 to 2020) Crater Lake at K�lauea Volcano. <i>Ground Water</i> , 2022, 60, 64-70.	1.3	4
2	Modeling Groundwater Inflow to the New Crater Lake at K�lauea Volcano, Hawai'i. <i>Ground Water</i> , 2021, 59, 7-15.	1.3	6
3	Potential for increased hydrothermal arsenic flux during volcanic unrest: Implications for California water supply. <i>Applied Geochemistry</i> , 2019, 108, 104384.	3.0	8
4	Earthquake Hydrogeology. <i>Water Resources Research</i> , 2019, 55, 5212-5216.	4.2	29
5	Groundwater Inflow Toward a Preheated Volcanic Conduit: Application to the 2018 Eruption at K�lauea Volcano, Hawai'i. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 1498-1506.	3.4	16
6	Multi-year high-frequency hydrothermal monitoring of selected high-threat Cascade Range volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 356, 24-35.	2.1	7
7	The Influence of Episodic Shallow Magma Degassing on Heat and Chemical Transport in Volcanic Hydrothermal Systems. <i>Geophysical Research Letters</i> , 2018, 45, 3068-3076.	4.0	4
8	Potentially exploitable supercritical geothermal resources in the ductile crust. <i>Nature Geoscience</i> , 2017, 10, 140-144.	12.9	96
9	Thermal effect of climate change on groundwater-fed ecosystems. <i>Water Resources Research</i> , 2017, 53, 3341-3351.	4.2	38
10	Causes of distal volcano-tectonic seismicity inferred from hydrothermal modeling. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 345, 98-108.	2.1	23
11	Evaluating geothermal and hydrogeologic controls on regional groundwater temperature distribution. <i>Water Resources Research</i> , 2016, 52, 1328-1344.	4.2	20
12	The Lassen hydrothermal system. <i>American Mineralogist</i> , 2016, 101, 343-354.	1.9	8
13	Understanding heat and groundwater flow through continental flood basalt provinces: insights gained from alternative models of permeability/depth relationships for the Columbia Plateau, USA. <i>Geofluids</i> , 2015, 15, 120-138.	0.7	23
14	Hydrothermal response to a volcano-tectonic earthquake swarm, Lassen, California. <i>Geophysical Research Letters</i> , 2015, 42, 9223-9230.	4.0	20
15	Developing a new, passive diffusion sampler suite to detect helium anomalies associated with volcanic unrest. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	3.0	3
16	Hydrothermal monitoring in a quiescent volcanic arc: Cascade Range, northwestern United States. <i>Geofluids</i> , 2014, 14, 326-346.	0.7	15
17	Modeling the Formation of Porphyry-Copper Ores. <i>Science</i> , 2012, 338, 1551-1552.	12.6	14
18	Changes in permeability caused by transient stresses: Field observations, experiments, and mechanisms. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	340

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19	Hydrothermal heat discharge in the Cascade Range, northwestern United States. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 196, 208-218.	2.1	46
20	Numerical simulation of magmatic hydrothermal systems. <i>Reviews of Geophysics</i> , 2010, 48, .	23.0	146
21	Numerical models of caldera deformation: Effects of multiphase and multicomponent hydrothermal fluid flow. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	64
22	Permeability of continental crust influenced by internal and external forcing. <i>Geofluids</i> , 2008, 8, 128-139.	0.7	59
23	Ongoing hydrothermal heat loss from the 1912 ash-flow sheet, Valley of Ten Thousand Smokes, Alaska. <i>Journal of Volcanology and Geothermal Research</i> , 2005, 143, 279-291.	2.1	9
24	Magmatic intrusion west of Three Sisters, central Oregon, USA: The perspective from spring geochemistry. <i>Geology</i> , 2004, 32, 69.	4.4	36
25	Groundwater flow, heat transport, and water table position within volcanic edifices: Implications for volcanic processes in the Cascade Range. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	92
26	Episodic thermal perturbations associated with groundwater flow: An example from Kilauea Volcano, Hawaii. <i>Journal of Geophysical Research</i> , 2002, 107, ECV 13-1-ECV 13-10.	3.3	30
27	Magmatic activity beneath the quiescent Three Sisters volcanic center, central Oregon Cascade Range, USA. <i>Geophysical Research Letters</i> , 2002, 29, 26-1.	4.0	134
28	Time-variation of hydrothermal discharge at selected sites in the western United States: implications for monitoring. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 111, 1-23.	2.1	77
29	Geological implications of a permeability-depth curve for the continental crust. <i>Geology</i> , 1999, 27, 1107.	4.4	213
30	Permeability of the continental crust: Implications of geothermal data and metamorphic systems. <i>Reviews of Geophysics</i> , 1999, 37, 127-150.	23.0	553
31	Multiphase groundwater flow near cooling plutons. <i>Journal of Geophysical Research</i> , 1997, 102, 12235-12252.	3.3	200
32	Use of Precipitation and Groundwater Isotopes to Interpret Regional Hydrology on a Tropical Volcanic Island: Kilauea Volcano Area, Hawaii. <i>Water Resources Research</i> , 1996, 32, 3525-3537.	4.2	121
33	Geyser periodicity and the response of geysers to deformation. <i>Journal of Geophysical Research</i> , 1996, 101, 21891-21905.	3.3	66
34	Fluid flow and heat transport near the critical point of H ₂ O. <i>Geophysical Research Letters</i> , 1994, 21, 2199-2202.	4.0	32
35	The hydrogeology of Kilauea volcano. <i>Geothermics</i> , 1993, 22, 255-270.	3.4	73
36	Rates and patterns of groundwater flow in the Cascade Range Volcanic Arc, and the effect on subsurface temperatures. <i>Journal of Geophysical Research</i> , 1992, 97, 4599-4627.	3.3	59

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37	Heat Flow and Hydrothermal Circulation in the Cascade Range, North-Central Oregon. <i>Science</i> , 1989, 243, 1458-1462.	12.6	78
38	The hydrothermal system at Newberry Volcano, Oregon. <i>Journal of Geophysical Research</i> , 1988, 93, 10149-10162.	3.3	29
39	Vapor-Dominated Zones Within Hydrothermal Systems: Evolution and Natural State. <i>Journal of Geophysical Research</i> , 1988, 93, 13635-13655.	3.3	83
40	A Quantitative Analysis of the Lassen Hydrothermal System, North Central California. <i>Water Resources Research</i> , 1985, 21, 853-868.	4.2	58