

Shemin Ge

List of Publications by Year in descending order

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48
papers

3,585
citations

257357

24
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189801

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docs citations

53
times ranked

3420
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Relation to Constrain Groundwater Models Using Surface Deformation. <i>Ground Water</i> , 2022, 60, 410-417.	0.7	2
2	Review: Induced Seismicity During Geoenery Developmentâ€”A Hydromechanical Perspective. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	21
3	Open Science: Open Data, Open Models, â€”and Open Publications?. <i>Water Resources Research</i> , 2021, 57, e2020WR029480.	1.7	7
4	Impoundmentâ€”Associated Hydroâ€”Mechanical Changes and Regional Seismicity Near the Xiluodu Reservoir, Southwestern China. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021590.	1.4	11
5	Origin of the Crescent Moon Spring in the Gobi Desert of northwestern China, based on understanding groundwater recharge. <i>Journal of Hydrology</i> , 2020, 580, 124344.	2.3	5
6	Causal mechanism of injection-induced earthquakes through the Mw 5.5 Pohang earthquake case study. <i>Nature Communications</i> , 2020, 11, 2614.	5.8	48
7	Carbon and mercury export from the Arctic rivers and response to permafrost degradation. <i>Water Research</i> , 2019, 161, 54-60.	5.3	39
8	Managing injection-induced seismic risks. <i>Science</i> , 2019, 364, 730-732.	6.0	129
9	The Role of Frozen Soil in Groundwater Discharge Predictions for Warming Alpine Watersheds. <i>Water Resources Research</i> , 2018, 54, 1599-1615.	1.7	57
10	Solar district heating with underground thermal energy storage: Pathways to commercial viability in North America. <i>Renewable Energy</i> , 2018, 126, 1-13.	4.3	25
11	Distinguishing Fluid Flow Path from Pore Pressure Diffusion for Induced Seismicity. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 3684-3686.	1.1	25
12	Streamflow Changes in the Vicinity of Seismogenic Fault After the 1999 Chiâ€”Chi Earthquake. <i>Pure and Applied Geophysics</i> , 2018, 175, 2425-2434.	0.8	7
13	Small Earthquakes Matter in Injectionâ€”Induced Seismicity. <i>Geophysical Research Letters</i> , 2018, 45, 5445-5453.	1.5	30
14	Contrasting hydrogeologic responses to warming in permafrost and seasonally frozen ground hillslopes. <i>Geophysical Research Letters</i> , 2017, 44, 1803-1813.	1.5	79
15	A Possible Causative Mechanism of Raton Basin, New Mexico and Colorado Earthquakes Using Recent Seismicity Patterns and Pore Pressure Modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8051-8065.	1.4	25
16	Evaluating the effectiveness of induced seismicity mitigation: Numerical modeling of wastewater injection near Greeley, Colorado. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6569-6582.	1.4	23
17	Induced seismicity: the potential hazard from shale gas development and CO2 geologic storage. <i>Geosciences Journal</i> , 2016, 20, 137-148.	0.6	12
18	Analysis of groundwater flow in mountainous, headwater catchments with permafrost. <i>Water Resources Research</i> , 2015, 51, 9564-9576.	1.7	63

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19	Coping with earthquakes induced by fluid injection. <i>Science</i> , 2015, 347, 830-831.	6.0	183
20	High-rate injection is associated with the increase in U.S. mid-continent seismicity. <i>Science</i> , 2015, 348, 1336-1340.	6.0	460
21	Controls on groundwater flow in a semiarid folded and faulted intermountain basin. <i>Water Resources Research</i> , 2014, 50, 6788-6809.	1.7	19
22	Sharp increase in central Oklahoma seismicity since 2008 induced by massive wastewater injection. <i>Science</i> , 2014, 345, 448-451.	6.0	639
23	Insights into water level response to seismic waves: A 24 year high-fidelity record of global seismicity at Devils Hole. <i>Geophysical Research Letters</i> , 2014, 41, 74-80.	1.5	38
24	Offshore fresh groundwater reserves as a global phenomenon. <i>Nature</i> , 2013, 504, 71-78.	13.7	245
25	Comparison and modification of methods for estimating evapotranspiration using diurnal groundwater level fluctuations in arid and semiarid regions. <i>Journal of Hydrology</i> , 2013, 496, 9-16.	2.3	30
26	The impact of megasplay faulting and permeability contrasts on Nankai Trough subduction zone pore pressures. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	7
27	Coupled fluid flow and deformation modeling of the frontal thrust region of the Kumano Basin transect, Japan: Implications for fluid pressures and decollement downstepping. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	22
28	Exchange of groundwater and surface-water mediated by permafrost response to seasonal and long term air temperature variation. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	164
29	Comment on "Evidence that the 2008 Mw 7.9 Wenchuan Earthquake Could Not Have Been Induced by the Zippingpu Reservoir" by Kai Deng, Shiyong Zhou, Rui Wang, Russell Robinson, Cuiping Zhao, and Wanzheng Cheng. <i>Bulletin of the Seismological Society of America</i> , 2011, 101, 3117-3118.	1.1	3
30	Constraining fault-zone hydrogeology through integrated hydrological and geoelectrical analysis. <i>Hydrogeology Journal</i> , 2010, 18, 1057-1067.	0.9	29
31	Did the Zippingpu Reservoir trigger the 2008 Wenchuan earthquake?. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	99
32	Modeling of the effects of propagating thrust slip on pore pressures and implications for monitoring. <i>Earth and Planetary Science Letters</i> , 2007, 258, 454-464.	1.8	8
33	Hydrodynamic response of subduction zones to seismic activity: A case study for the Costa Rica margin. <i>Tectonophysics</i> , 2006, 426, 167-187.	0.9	8
34	Analysis of strain-induced ground-water fluctuations at Devils Hole, Nevada. <i>Geofluids</i> , 2006, 6, 319-333.	0.3	21
35	Applicable range of the Reynolds equation for fluid flow in a rock fracture. <i>Geosciences Journal</i> , 2005, 9, 347-352.	0.6	21
36	Solute dispersion in rock fractures by Non-Darcian Flow. <i>Geophysical Research Letters</i> , 2001, 28, 3983-3986.	1.5	23

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37	The effect of allochthonous salt evolution and overpressure development on source rock thermal maturation: a two-dimensional transient study in the northern Gulf of Mexico Basin. <i>Petroleum Geoscience</i> , 2001, 7, 281-290.	0.9	5
38	Anomalously high porosities in the proto-decollement zone of the Barbados Accretionary Complex: Do they indicate overpressures?. <i>Geophysical Research Letters</i> , 2000, 27, 1993-1996.	1.5	8
39	Estimation of groundwater velocity in localized fracture zones from well temperature profiles. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 84, 93-101.	0.8	59
40	The effect of surface geometry on fracture permeability: A case study using a sinusoidal fracture. <i>Geophysical Research Letters</i> , 1998, 25, 813-816.	1.5	28
41	An assessment of along-strike fluid and heat transport within the Barbados Ridge Accretionary Complex: Results of preliminary modeling. <i>Geophysical Research Letters</i> , 1997, 24, 3085-3088.	1.5	17
42	A governing equation for fluid flow in rough fractures. <i>Water Resources Research</i> , 1997, 33, 53-61.	1.7	174
43	Basin-scale hydrogeologic modeling. <i>Reviews of Geophysics</i> , 1996, 34, 61-87.	9.0	140
44	Effect of Horizontal Heat and Fluid Flow on the Vertical Temperature Distribution in a Semiconfining Layer. <i>Water Resources Research</i> , 1996, 32, 1449-1453.	1.7	106
45	An Analytical Evaluation for Airflow to Inlet Wells in Vapor Extraction Systems Under Leaky Conditions. <i>Water Resources Research</i> , 1996, 32, 743-748.	1.7	6
46	Correction to "Basin-scale hydrogeologic modeling". <i>Reviews of Geophysics</i> , 1996, 34, 307-309.	9.0	3
47	Hydromechanical modeling of tectonically driven groundwater flow with application to the Arkoma Foreland Basin. <i>Journal of Geophysical Research</i> , 1992, 97, 9119-9144.	3.3	124
48	Triggering of the Pohang, Korea, Earthquake (Mw=5.5) by Enhanced Geothermal System Stimulation. <i>Seismological Research Letters</i> , 0, , .	0.8	74