

Zheming Shi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

927
citations

18
h-index

27
g-index

79
ext. papers

1,344
ext. citations

4.7
avg, IF

5.02
L-index

#	Paper	IF	Citations
74	Mechanism of co-seismic water level change following four great earthquakes Insights from co-seismic responses throughout the Chinese mainland. <i>Earth and Planetary Science Letters</i> , 2015 , 430, 66-74	5.3	72
73	Comparison of hydrological responses to the Wenchuan and Lushan earthquakes. <i>Earth and Planetary Science Letters</i> , 2014 , 391, 193-200	5.3	41
72	Aquifers switched from confined to semiconfined by earthquakes. <i>Geophysical Research Letters</i> , 2016 , 43, 11,166	4.9	40
71	Hydrological response to multiple large distant earthquakes in the Mile well, China. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014 , 119, 2448-2459	3.8	40
70	Large Earthquake Reshapes the Groundwater Flow System: Insight From the Water-Level Response to Earth Tides and Atmospheric Pressure in a Deep Well. <i>Water Resources Research</i> , 2019 , 55, 4207-4219 ^{5.4}	5.4	37
69	Continental-scale water-level response to a large earthquake. <i>Geofluids</i> , 2015 , 15, 310-320	1.5	37
68	Groundwater quality and associated hydrogeochemical processes in Northwest Namibia. <i>Journal of Geochemical Exploration</i> , 2018 , 186, 202-214	3.8	34
67	Sensitivity of hydraulic properties to dynamic strain within a fault damage zone. <i>Journal of Hydrology</i> , 2016 , 543, 721-728	6	34
66	Distributions, Sources, and Species of Heavy Metals/Trace Elements in Shallow Groundwater Around the Poyang Lake, East China. <i>Exposure and Health</i> , 2018 , 10, 211-227	8.8	34
65	Fault Zone Permeability Decrease Following Large Earthquakes in a Hydrothermal System. <i>Geophysical Research Letters</i> , 2018 , 45, 1387-1394	4.9	31
64	Co-Seismic Groundwater Level Changes Induced by the May 12, 2008 Wenchuan Earthquake in the Near Field. <i>Pure and Applied Geophysics</i> , 2013 , 170, 1773-1783	2.2	29
63	Sustained groundwater level changes and permeability variation in a fault zone following the 12 May 2008, Mw 7.9 Wenchuan earthquake. <i>Hydrological Processes</i> , 2015 , 29, 2659-2667	3.3	28
62	Removal of hexavalent chromium in natural groundwater using activated carbon and cast iron combined system. <i>Journal of Cleaner Production</i> , 2017 , 165, 667-676	10.3	25
61	Groundwater microbial communities and their connection to hydrochemical environment in Golmud, Northwest China. <i>Science of the Total Environment</i> , 2019 , 695, 133848	10.2	22
60	Estimating the hydraulic parameters of a confined aquifer based on the response of groundwater levels to seismic Rayleigh waves. <i>Geophysical Journal International</i> , 2018 , 213, 919-930	2.6	22
59	Coseismic response of groundwater level in the Three Gorges well network and its relationship to aquifer parameters. <i>Science Bulletin</i> , 2013 , 58, 3080-3087		22
58	Evaluating Spatiotemporal Variations of Groundwater Quality in Northeast Beijing by Self-Organizing Map. <i>Water (Switzerland)</i> , 2020 , 12, 1382	3	19

57	Groundwater-surface water interactions derived by hydrochemical and isotopic (²²² Rn, deuterium, oxygen-18) tracers in the Nomhon area, Qaidam Basin, NW China. <i>Journal of Hydrology</i> , 2018 , 565, 650-661	6	19
56	Isotopes in groundwater (H, O, C) revealed the climate and groundwater recharge in the Northern China. <i>Science of the Total Environment</i> , 2019 , 666, 298-307	10.2	18
55	A method for simultaneous estimation of groundwater evapotranspiration and inflow rates in the discharge area using seasonal water table fluctuations. <i>Journal of Hydrology</i> , 2017 , 548, 498-507	6	16
54	Earthquake-related hydrochemical changes in thermal springs in the Xianshuihe Fault zone, Western China. <i>Journal of Hydrology</i> , 2019 , 579, 124175	6	15
53	Temperature governs the distribution of hot spring microbial community in three hydrothermal fields, Eastern Tibetan Plateau Geothermal Belt, Western China. <i>Science of the Total Environment</i> , 2020 , 720, 137574	10.2	15
52	Identifying anthropogenic sources of groundwater contamination by natural background levels and stable isotope application in Pinggu basin, China. <i>Journal of Hydrology</i> , 2021 , 596, 126092	6	15
51	Estimation of groundwater discharge and associated chemical fluxes into Poyang Lake, China: approaches using stable isotopes (² H and ¹⁸ O) and radon. <i>Hydrogeology Journal</i> , 2018 , 26, 1625-1638	3.1	15
50	Using stable isotopes (² H, ¹⁸ O, ³⁴ S and ⁸⁷ Sr/ ⁸⁶ Sr) to identify sources of water in abandoned mines in the Fengfeng coal mining district, northern China. <i>Hydrogeology Journal</i> , 2018 , 26, 1443-1453	3.1	15
49	Application of Multiple Approaches to Investigate the Hydrochemistry Evolution of Groundwater in an Arid Region: Nomhon, Northwestern China. <i>Water (Switzerland)</i> , 2018 , 10, 1667	3	14
48	Groundwater trace elements change induced by M5.0 earthquake in Yunnan. <i>Journal of Hydrology</i> , 2020 , 581, 124424	6	12
47	Hydrochemical and isotopic interpretation of interactions between surface water and groundwater in Delingha, Northwest China. <i>Journal of Hydrology</i> , 2021 , 598, 126243	6	12
46	Identifying locations and sources of groundwater discharge into Poyang Lake (eastern China) using radium and stable isotopes (deuterium and oxygen-18). <i>Science of the Total Environment</i> , 2020 , 740, 140163	10.2	11
45	Applying radium isotopes to estimate groundwater discharge into Poyang Lake, the largest freshwater lake in China. <i>Journal of Hydrology</i> , 2020 , 585, 124782	6	10
44	Hydrogeochemical Characteristics and Evolution of Hot Springs in Eastern Tibetan Plateau Geothermal Belt, Western China: Insight from Multivariate Statistical Analysis. <i>Geofluids</i> , 2017 , 2017, 1-11	1.5	10
43	Comparison of aquifer parameters inferred from water level changes induced by slug test, earth tide and earthquake [A case study in the three Gorges area. <i>Journal of Hydrology</i> , 2019 , 579, 124169	6	10
42	Temporal changes of hydraulic properties of overburden aquifer induced by longwall mining in Ningtiaota coalfield, northwest China. <i>Journal of Hydrology</i> , 2020 , 582, 124525	6	9
41	Evaluation of the permeability properties of the Xiaojiang Fault Zone using hot springs and water wells. <i>Geophysical Journal International</i> , 2017 , 209, 1526-1533	2.6	9
40	Advances in research on earthquake fluids hydrogeology in China: a review. <i>Earthquake Science</i> , 2013 , 26, 415-425	1.5	8

39	Groundwater radon precursor anomalies identification by decision tree method. <i>Applied Geochemistry</i> , 2020 , 121, 104696	3.5	8
38	Multiple factors control groundwater chemistry and quality of multi-layer groundwater system in Northwest China coalfield Using self-organizing maps (SOM). <i>Journal of Geochemical Exploration</i> , 2021 , 227, 106795	3.8	8
37	Fluid Geochemistry of Fault Zone Hydrothermal System in the Yidun-Litang Area, Eastern Tibetan Plateau Geothermal Belt. <i>Geofluids</i> , 2018 , 2018, 1-13	1.5	7
36	Relationship between the Earth tidal factor and phase lag of groundwater levels in confined aquifers and the Wenchuan Ms8.0 earthquake of 2008. <i>Science China Earth Sciences</i> , 2013 , 56, 1722-1730	4.6	7
35	Preseismic Changes of Water Temperature in the Yushu Well, Western China. <i>Pure and Applied Geophysics</i> , 2018 , 175, 2445-2458	2.2	7
34	Spatiotemporal Variation of Groundwater Recharge in the Lower Reaches of the Poyang Lake Basin, China: Insights From Stable Hydrogen and Oxygen Isotopes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033760	4.4	7
33	Sensitivity of the response of well-aquifer systems to different periodic loadings: A comparison of two wells in Huize, China. <i>Journal of Hydrology</i> , 2019 , 572, 121-130	6	6
32	Tectonically Induced Anomalies Without Large Earthquake Occurrences. <i>Pure and Applied Geophysics</i> , 2018 , 175, 2513-2526	2.2	6
31	Quantitative Assessment of the Mechanisms of Earthquake-Induced Groundwater-Level Change in the MP Well, Three Gorges Area. <i>Pure and Applied Geophysics</i> , 2018 , 175, 2475-2484	2.2	6
30	Modeling Earthquake-Induced Spring Discharge and Temperature Changes in a Fault Zone Hydrothermal System. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2020JB019344	3.6	5
29	Abnormal interruption of water flow from an artesian well prior to 2008 Wenchuan earthquake. <i>Geodesy and Geodynamics</i> , 2011 , 2, 53-57	1.8	5
28	Detection of possible hydrological precursor anomalies using long short-term memory: A case study of the 1996 Lijiang earthquake. <i>Journal of Hydrology</i> , 2021 , 599, 126369	6	5
27	Changes in Permeability Caused by Two Consecutive Earthquakes Insights From the Responses of a Well-Aquifer System to Seismic Waves. <i>Geophysical Research Letters</i> , 2019 , 46, 10367-10374	4.9	4
26	Local groundwater and tidal changes induced by large earthquakes in the Taiyuan Basin, North China from well monitoring. <i>Journal of Hydrology</i> , 2020 , 582, 124479	6	4
25	Frequency Dependence of In Situ Transmissivity Estimation of Well-Aquifer Systems From Periodic Loadings. <i>Water Resources Research</i> , 2020 , 56, e2020WR027536	5.4	4
24	Different Sensitivities of Earthquake-Induced Water Level and Hydrogeological Property Variations in Two Aquifer Systems. <i>Water Resources Research</i> , 2021 , 57, e2020WR028217	5.4	4
23	Reduction mechanism of hexavalent chromium in aqueous solution by sulfidated granular activated carbon. <i>Journal of Cleaner Production</i> , 2021 , 316, 128273	10.3	4
22	Tide-factor anomalies from observations of well level in the Sichuan Province prior to the great Wenchuan earthquake of 2008. <i>Journal of Geodynamics</i> , 2013 , 63, 54-61	2.2	3

21	Origin and controlling factors of groundwater chemistry and quality in the Zhiluo aquifer system of northern Ordos Basin, China. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	3
20	Deciphering spatial pattern of groundwater chemistry and nitrogen pollution in Poyang Lake Basin (eastern China) using self-organizing map and multivariate statistics. <i>Journal of Cleaner Production</i> , 2021 , 329, 129697	10.3	3
19	Using water-level fluctuations in response to Earth-tide and barometric-pressure changes to measure the in-situ hydrogeological properties of an overburden aquifer in a coalfield. <i>Hydrogeology Journal</i> , 2020 , 28, 1465-1479	3.1	2
18	Possible precursory anomalies in ground water level associated with the Wenchuan Ms 8.0 earthquake in 2008, Sichuan, China. <i>Geodesy and Geodynamics</i> , 2020 , 11, 127-134	1.8	2
17	Frequency-dependent groundwater response to earthquakes in carbonate aquifer. <i>Journal of Hydrology</i> , 2021 , 603, 127153	6	2
16	Hydro-mechanical coupling in the shallow crust Insight from groundwater level and satellite radar imagery in a mining area. <i>Journal of Hydrology</i> , 2021 , 594, 125649	6	2
15	Hydrogeochemical Constraints Shape Hot Spring Microbial Community Compositions: Evidence From Acidic, Moderate-Temperature Springs and Alkaline, High-Temperature Springs, Southwestern Yunnan Geothermal Areas, China. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG005868	3.7	2
14	Application of multiple approaches to investigate hydraulic connection in multiple aquifers system in coalfield. <i>Journal of Hydrology</i> , 2021 , 595, 125673	6	2
13	Geochemical evolution of groundwater under the influence of human activities: A case study in the southwest of Poyang Lake Basin. <i>Applied Geochemistry</i> , 2022 , 105299	3.5	2
12	Numerical modeling for the temporal variations of the water interchange between groundwater and surface water in a regional great lake (Poyang Lake, China). <i>Journal of Hydrology</i> , 2022 , 127827	6	2
11	Hydrochemical assessments and driving forces of groundwater quality and potential health risks of sulfate in a coalfield, northern Ordos Basin, China.. <i>Science of the Total Environment</i> , 2022 , 155519	10.2	2
10	Determination of Mining-Induced Changes in Hydrogeological Parameters of Overburden Aquifer in a Coalfield, Northwest China: Approaches Using the Water Level Response to Earth Tides. <i>Geofluids</i> , 2021 , 2021, 1-13	1.5	1
9	Hydrogeochemical Characteristic of Geothermal Water and Precursory Anomalies along the Xianshuihe Fault Zone, Southwestern China. <i>Water (Switzerland)</i> , 2022 , 14, 550	3	1
8	Cl, Br, B, Li, and noble gases isotopes to study the origin and evolution of deep groundwater in sedimentary basins: a review. <i>Environmental Chemistry Letters</i> , 1	13.3	0
7	Detection of hydrological responses to longwall mining in an overburden aquifer. <i>Journal of Hydrology</i> , 2021 , 603, 126919	6	0
6	Rock Deformation Estimated by Groundwater-Level Monitoring: A Case Study at the Xianshuihe Fault, China. <i>Geofluids</i> , 2022 , 2022, 1-14	1.5	0
5	Groundwater discharge tracing for a large Ice-Covered lake in the Tibetan Plateau: Integrated satellite remote sensing data, chemical components and isotopes (D, 18O, and 222Rn). <i>Journal of Hydrology</i> , 2022 , 609, 127741	6	0
4	Continental-scale water-level response to a large earthquake 2016 , 324-333		

- 3 Tectonically Induced Anomalies Without Large Earthquake Occurrences. *Pageoph Topical Volumes*, **2019**, 107-120 0.1
- 2 Quantitative Assessment of the Mechanisms of Earthquake-Induced Groundwater-Level Change in the MP Well, Three Gorges Area. *Pageoph Topical Volumes*, **2019**, 69-78 0.1
- 1 Preseismic Changes of Water Temperature in the Yushu Well, Western China. *Pageoph Topical Volumes*, **2019**, 39-52 0.1