

Xiaoqing Shi

List of Publications by Year in descending order

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65
papers

2,299
citations

201674

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all docs

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docs citations

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times ranked

2075
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian convolutional neural networks for predicting the terrestrial water storage anomalies during GRACE and GRACE-FO gap. <i>Journal of Hydrology</i> , 2022, 604, 127244.	5.4	39
2	Optimized arrays for electrical resistivity tomography survey using Bayesian experimental design. <i>Geophysics</i> , 2022, 87, E189-E203.	2.6	4
3	Deep learning based optimization under uncertainty for surfactant-enhanced DNAPL remediation in highly heterogeneous aquifers. <i>Journal of Hydrology</i> , 2022, 608, 127639.	5.4	8
4	Characterization of the non-Gaussian hydraulic conductivity field via deep learning-based inversion of hydraulic-head and self-potential data. <i>Journal of Hydrology</i> , 2022, 610, 127830.	5.4	6
5	Identification of non-Gaussian parameters in heterogeneous aquifers by a modified probability conditioning method through hydraulic-head assimilation. <i>Hydrogeology Journal</i> , 2021, 29, 819-839.	2.1	2
6	Hydrogeophysical Characterization of Nonstationary DNAPL Source Zones by Integrating a Convolutional Variational Autoencoder and Ensemble Smoother. <i>Water Resources Research</i> , 2021, 57, e2020WR028538.	4.2	27
7	Effect of root exudates on the stability and transport of graphene oxide in saturated porous media. <i>Journal of Hazardous Materials</i> , 2021, 413, 125362.	12.4	11
8	Integrating hydraulic tomography, electrical resistivity tomography, and partitioning interwell tracer test datasets to improve identification of pool-dominated DNAPL source zone architecture. <i>Journal of Contaminant Hydrology</i> , 2021, 241, 103809.	3.3	3
9	Integrating deep learning-based data assimilation and hydrogeophysical data for improved monitoring of DNAPL source zones during remediation. <i>Journal of Hydrology</i> , 2021, 601, 126655.	5.4	16
10	Evaluation of the benefits of improved permeability estimation on high-resolution characterization of DNAPL distribution in aquifers with low-permeability lenses. <i>Journal of Hydrology</i> , 2021, 603, 126955.	5.4	2
11	Improved Characterization of DNAPL Source Zones via Sequential Hydrogeophysical Inversion of Hydraulic Head, Self-Potential and Partitioning Tracer Data. <i>Water Resources Research</i> , 2020, 56, e2020WR027627.	4.2	18
12	Clinical manifestations of Kawasaki disease in different age groups: retrospective data from Southwest China. <i>Clinical Rheumatology</i> , 2020, 39, 3027-3032.	2.2	5
13	Improving Simulation Efficiency of MCMC for Inverse Modeling of Hydrologic Systems With a Kalman-Inspired Proposal Distribution. <i>Water Resources Research</i> , 2020, 56, e2019WR025474.	4.2	33
14	Integration of Adversarial Autoencoders With Residual Dense Convolutional Networks for Estimation of Non-Gaussian Hydraulic Conductivities. <i>Water Resources Research</i> , 2020, 56, e2019WR026082.	4.2	67
15	Application of spectral induced polarization for characterizing surfactant-enhanced DNAPL remediation in laboratory column experiments. <i>Journal of Contaminant Hydrology</i> , 2020, 230, 103603.	3.3	9
16	Cotransport of <i>Herbaspirillum chlorophenicum</i> FA1 and heavy metals in saturated porous media: Effect of ion type and concentration. <i>Environmental Pollution</i> , 2019, 254, 112940.	7.5	9
17	Transport of a PAH-degrading bacterium in saturated limestone media under various physicochemical conditions: Common and unexpected retention and remobilization behaviors. <i>Journal of Hazardous Materials</i> , 2019, 380, 120858.	12.4	11
18	Coupled hydrogeophysical inversion to identify non-Gaussian hydraulic conductivity field by jointly assimilating geochemical and time-lapse geophysical data. <i>Journal of Hydrology</i> , 2019, 578, 124092.	5.4	27

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19	An adaptive Kriging surrogate method for efficient uncertainty quantification with an application to geological carbon sequestration modeling. <i>Computers and Geosciences</i> , 2019, 125, 69-77.	4.2	20
20	Deep Autoregressive Neural Networks for High-Dimensional Inverse Problems in Groundwater Contaminant Source Identification. <i>Water Resources Research</i> , 2019, 55, 3856-3881.	4.2	157
21	Deep Convolutional Encoder-Decoder Networks for Uncertainty Quantification of Dynamic Multiphase Flow in Heterogeneous Media. <i>Water Resources Research</i> , 2019, 55, 703-728.	4.2	201
22	Delineation of contaminant plume for an inorganic contaminated site using electrical resistivity tomography: comparison with direct-push technique. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 187.	2.7	16
23	Joint inversion of physical and geochemical parameters in groundwater models by sequential ensemble-based optimal design. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1919-1937.	4.0	7
24	Complex conductivity of oil-contaminated clayey soils. <i>Journal of Hydrology</i> , 2018, 561, 930-942.	5.4	15
25	Efficient biosorption of Pb(II) from aqueous solutions by a PAH-degrading strain <i>Herbaspirillum chlorophenicum</i> FA1. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 57, 64-71.	5.8	17
26	Coupled hydrogeophysical inversion of DNAPL source zone architecture and permeability field in a 3D heterogeneous sandbox by assimilation time-lapse cross-borehole electrical resistivity data via ensemble Kalman filtering. <i>Journal of Hydrology</i> , 2018, 567, 149-164.	5.4	26
27	Simulation of Core Phases From Coda Interferometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4983-4999.	3.4	4
28	Advances in Multiphase Flow and Transport in the Subsurface Environment. <i>Geofluids</i> , 2018, 2018, 1-2.	0.7	5
29	Retention and Transport of Bisphenol A and Bisphenol S in Saturated Limestone Porous Media. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	16
30	Retention and transport of graphene oxide in water-saturated limestone media. <i>Chemosphere</i> , 2017, 180, 506-512.	8.2	58
31	A Taylor Expansion-Based Adaptive Design Strategy for Global Surrogate Modeling With Applications in Groundwater Modeling. <i>Water Resources Research</i> , 2017, 53, 10802-10823.	4.2	40
32	Comprehensive evaluation of shallow groundwater quality in Central and Southern Jiangsu Province, China. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	9
33	Retention and Transport of PAH-Degrading Bacterium <i>Herbaspirillum chlorophenicum</i> FA1 in Saturated Porous Media Under Various Physicochemical Conditions. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	9
34	Quantitative assessment of electrical resistivity tomography for monitoring DNAPLs migration – Comparison with high-resolution light transmission visualization in laboratory sandbox. <i>Journal of Hydrology</i> , 2017, 544, 254-266.	5.4	30
35	Biodegradation of Pyrene by Free and Immobilized Cells of <i>Herbaspirillum chlorophenicum</i> Strain FA1. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	21
36	Effects of grain size and structural heterogeneity on the transport and retention of nano-TiO ₂ in saturated porous media. <i>Science of the Total Environment</i> , 2016, 563-564, 987-995.	8.0	53

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37	Transport of sulfacetamide and levofloxacin in granular porous media under various conditions: Experimental observations and model simulations. <i>Science of the Total Environment</i> , 2016, 573, 1630-1637.	8.0	24
38	Retention and Release of Graphene Oxide in Structured Heterogeneous Porous Media under Saturated and Unsaturated Conditions. <i>Environmental Science & Technology</i> , 2016, 50, 10397-10405.	10.0	49
39	Effects of surface active agents on DNAPL migration and distribution in saturated porous media. <i>Science of the Total Environment</i> , 2016, 571, 1147-1154.	8.0	21
40	Removal of levofloxacin from aqueous solution using rice-husk and wood-chip biochars. <i>Chemosphere</i> , 2016, 150, 694-701.	8.2	119
41	Experimental and numerical modeling of chemical osmosis in the clay samples of the aquitard in the North China Plain. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	9
42	Removal of tetrachloroethylene from homogeneous and heterogeneous porous media: Combined effects of surfactant solubilization and oxidant degradation. <i>Chemical Engineering Journal</i> , 2016, 283, 595-603.	12.7	48
43	The effects of artificial recharge of groundwater on controlling land subsidence and its influence on groundwater quality and aquifer energy storage in Shanghai, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	74
44	Phytoremediation of soils contaminated with phenanthrene and cadmium by growing willow (<i>Salix—Aureo-Pendula</i> 'j1011'). <i>International Journal of Phytoremediation</i> , 2016, 18, 150-156.	3.1	13
45	Characterization of the regional groundwater quality evolution in the North Plain of Jiangsu Province, China. <i>Environmental Earth Sciences</i> , 2015, 74, 5587-5604.	2.7	11
46	Influence of flow velocity and spatial heterogeneity on DNAPL migration in porous media: insights from laboratory experiments and numerical modelling. <i>Hydrogeology Journal</i> , 2015, 23, 1703-1718.	2.1	38
47	Transport, retention, and size perturbation of graphene oxide in saturated porous media: Effects of input concentration and grain size. <i>Water Research</i> , 2015, 68, 24-33.	11.3	176
48	Design of diamond piezoelectric micro displacement amplification mechanism. <i>Guangxue Jingmi Gongcheng/Optics and Precision Engineering</i> , 2015, 23, 803-809.	0.5	6
49	Effects of Humic Acid and Solution Chemistry on the Retention and Transport of Cerium Dioxide Nanoparticles in Saturated Porous Media. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	45
50	Assessment of parametric uncertainty for groundwater reactive transport modeling. <i>Water Resources Research</i> , 2014, 50, 4416-4439.	4.2	55
51	Global Sensitivity Analysis of Reactive Transport Modeling of CO ₂ Geological Storage in a Saline Aquifer. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 798-801.	0.6	5
52	U(VI) Bioreduction with Emulsified Vegetable Oil as the Electron Donor – Microcosm Tests and Model Development. <i>Environmental Science & Technology</i> , 2013, 47, 3209-3217.	10.0	26
53	The Co-application of Willow and Earthworms/Horseradish for Removal of Pentachlorophenol from Contaminated Soils. <i>Soil and Sediment Contamination</i> , 2013, 22, 498-509.	1.9	2
54	Effects of error covariance structure on estimation of model averaging weights and predictive performance. <i>Water Resources Research</i> , 2013, 49, 6029-6047.	4.2	40

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55	Comparing Nonlinear Regression and Markov Chain Monte Carlo Methods for Assessment of Prediction Uncertainty in Vadose Zone Modeling. <i>Vadose Zone Journal</i> , 2012, 11, vzj2011.0147.	2.2	18
56	Sustainable development and utilization of groundwater resources considering land subsidence in Suzhou, China. <i>Engineering Geology</i> , 2012, 124, 77-89.	6.3	69
57	Degradation of fluoranthene by a newly isolated strain of <i>Herbaspirillum chlorophenicum</i> from activated sludge. <i>Biodegradation</i> , 2011, 22, 335-345.	3.0	51
58	Excessive groundwater withdrawal and resultant land subsidence in the Su-Xi-Chang area, China. <i>Environmental Earth Sciences</i> , 2010, 61, 1135-1143.	2.7	37
59	Numerical Simulation of Viscoelastoplastic Land Subsidence due to Groundwater Overdrafting in Shanghai, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 223-236.	1.9	40
60	Numerical simulation of land subsidence induced by groundwater overexploitation in Su-Xi-Chang area, China. <i>Environmental Geology</i> , 2009, 57, 1409-1421.	1.2	37
61	The development and control of the land subsidence in the Yangtze Delta, China. <i>Environmental Geology</i> , 2008, 55, 1725-1735.	1.2	45
62	Simulation of regional land subsidence in the southern Yangtze Delta. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 808-825.	0.9	23
63	Characterization of regional land subsidence in Yangtze Delta, China: the example of Su-Xi-Chang area and the city of Shanghai. <i>Hydrogeology Journal</i> , 2008, 16, 593-607.	2.1	60
64	Regional land subsidence simulation in Su-Xi-Chang area and Shanghai City, China. <i>Engineering Geology</i> , 2008, 100, 27-42.	6.3	88
65	Characterization of land subsidence induced by groundwater withdrawals in Su-Xi-Chang area, China. <i>Environmental Geology</i> , 2007, 52, 27-40.	1.2	68