Jichun Wu

List of Publications by Year in Descending Order

218 papers	3,457 citations	32 h-index	47 g-index
226 ext. papers	4,450 ext. citations	5.4 avg, IF	5.88 L-index

#	Paper	IF	Citations
218	CuO nanoparticles modify bioaccumulation of perfluorooctanoic acid in radish (Raphanus sativus L.). *Environmental Pollutants and Bioavailability*, **2022**, 34, 34-41	2.8	1
217	Optimizing river damming and impounding strategies to mitigate seawater intrusion in the coastal aquifer of Dagu River Basin, China. *Hydrogeology Journal*, **2022**, 30, 557	3.1	0
216	Multi-objective optimization of the coastal groundwater abstraction for striking the balance among conflicts of resource-environment-economy in Longkou City, China.. *Water Research*, **2022**, 211, 118045	12.5	0
215	Multi-objective optimization-based reactive nitrogen transport modeling for the water-environment-agriculture nexus in a basin-scale coastal aquifer.. *Water Research*, **2022**, 212, 118111	12.5	1
214	Quantifying the impact of mineralogical heterogeneity on reactive transport modeling of CO2 + O2 in-situ leaching of uranium. *Acta Geochimica*, **2022**, 41, 50	2.2	2
213	Elevated CO levels alleviated toxicity of ZnO nanoparticles to rice and soil bacteria. *Science of the Total Environment*, **2022**, 804, 149822	10.2	1
212	Deep learning based optimization under uncertainty for surfactant-enhanced DNAPL remediation in highly heterogeneous aquifers. *Journal of Hydrology*, **2022**, 608, 127639	6	1
211	Combined Effects of Fe/Al Oxyhydroxide Coating and pH on Polystyrene Nanoplastic Transport in Saturated Sand Media. *Water, Air, and Soil Pollution*, **2022**, 233, 1	2.6	0
210	The coastal aquifer recovery subject to storm surge: Effects of connected heterogeneity, physical barrier and surge frequency. *Journal of Hydrology*, **2022**, 610, 127835	6	0
209	Characterization of the non-Gaussian hydraulic conductivity field via deep learning-based inversion of hydraulic-head and self-potential data. *Journal of Hydrology*, **2022**, 610, 127830	6	0
208	Effects of anionic hydrocarbon surfactant on the transport of perfluorooctanoic acid (PFOA) in natural soils. *Environmental Science and Pollution Research*, **2021**, 1	5.1	0
207	Bayesian convolutional neural networks for predicting the terrestrial water storage anomalies during GRACE and GRACE-FO gap. *Journal of Hydrology*, **2021**, 604, 127244	6	4
206	An Improved Tandem Neural Network Architecture for Inverse Modeling of Multicomponent Reactive Transport in Porous Media. *Water Resources Research*, **2021**, 57,	5.4	5
205	Effects of nanometer alumina and humic acid on the retention and transport of hexavalent chromium in porous media. *Ecotoxicology and Environmental Safety*, **2021**, 228, 113005	7	0
204	A Two-Stage Bayesian Data-Driven Method to Improve Model Prediction. *Water Resources Research*, **2021**, 57, e2021WR030436	5.4	0
203	Modeling of crack propagation with the quasi-static material point method. *Engineering Fracture Mechanics*, **2021**, 245, 107602	4.2	1
202	New Finite Volume Multiscale Finite-Element Model for Solving Solute Transport Problems in Porous Media. *Journal of Hydrologic Engineering - ASCE*, **2021**, 26, 04021002	1.8	0

201	A conjunctive management framework for the optimal design of pumping and injection strategies to mitigate seawater intrusion. *Journal of Environmental Management*, **2021**, 282, 111964	7.9	11
200	Identifying More Realistic Model Structures by Electrical Conductivity Observations of the Karst Spring. *Water Resources Research*, **2021**, 57, e2020WR028587	5.4	1
199	Variation of lake-river-aquifer interactions induced by human activity and climatic condition in Poyang Lake Basin, China. *Journal of Hydrology*, **2021**, 595, 126058	6	8
198	Interpolation for the lattice-Boltzmann method to simulate colloid transport in porous media. *Physical Review E*, **2021**, 103, 053309	2.4	
197	Quantification of the fluid saturation of three phases of NAPL/Water/Gas in 2D porous media systems using a light transmission technique. *Journal of Hydrology*, **2021**, 597, 125718	6	1
196	Effects of diffuse groundwater discharge, internal metabolism and carbonate buffering on headwater stream CO2 evasion. *Science of the Total Environment*, **2021**, 777, 146230	10.2	2
195	Effect of root exudates on the stability and transport of graphene oxide in saturated porous media. *Journal of Hazardous Materials*, **2021**, 413, 125362	12.8	4
194	Identification of non-Gaussian parameters in heterogeneous aquifers by a modified probability conditioning method through hydraulic-head assimilation. *Hydrogeology Journal*, **2021**, 29, 819-839	3.1	1
193	Effects of ionic strength and cation type on the transport of per□orooctanoic acid (PFOA) in unsaturated sand porous media. *Journal of Hazardous Materials*, **2021**, 403, 123688	12.8	22
192	Hydrogeophysical Characterization of Nonstationary DNAPL Source Zones by Integrating a Convolutional Variational Autoencoder and Ensemble Smoother. *Water Resources Research*, **2021**, 57, e2020WR028538	5.4	9
191	Integrating hydraulic tomography, electrical resistivity tomography, and partitioning interwell tracer test datasets to improve identification of pool-dominated DNAPL source zone architecture. *Journal of Contaminant Hydrology*, **2021**, 241, 103809	3.9	2
190	Integrating deep learning-based data assimilation and hydrogeophysical data for improved monitoring of DNAPL source zones during remediation. *Journal of Hydrology*, **2021**, 601, 126655	6	4
189	Evaluation of the benefits of improved permeability estimation on high-resolution characterization of DNAPL distribution in aquifers with low-permeability lenses. *Journal of Hydrology*, **2021**, 603, 126955	6	0
188	A time-varying drought identification and frequency analyzation method: A case study of Jinsha River Basin. *Journal of Hydrology*, **2021**, 603, 126864	6	1
187	Water temperature forecasting based on modified artificial neural network methods: Two cases of the Yangtze River. *Science of the Total Environment*, **2020**, 737, 139729	10.2	27
186	Importance of Al/Fe oxyhydroxide coating and ionic strength in perfluorooctanoic acid (PFOA) transport in saturated porous media. *Water Research*, **2020**, 175, 115685	12.5	10
185	Estimation of the Critical Infiltration Rate for Air Compression During Infiltration. *Water Resources Research*, **2020**, 56, e2019WR026410	5.4	1
184	Random walk evaluation of Green□ functions for groundwater flow in heterogeneous aquifers. *Journal of Hydrology*, **2020**, 588, 125029	6	1

183	Assessing human health risk of groundwater DNAPL contamination by quantifying the model structure uncertainty. *Journal of Hydrology*, **2020**, 584, 124690	6	6
182	A probabilistic modeling framework for assessing the impacts of large reservoirs on river thermal regimes - A case of the Yangtze River. *Environmental Research*, **2020**, 183, 109221	7.9	4
181	Integration of Adversarial Autoencoders With Residual Dense Convolutional Networks for Estimation of Non-Gaussian Hydraulic Conductivities. *Water Resources Research*, **2020**, 56, e2019WR026082	5.4	38
180	Application of spectral induced polarization for characterizing surfactant-enhanced DNAPL remediation in laboratory column experiments. *Journal of Contaminant Hydrology*, **2020**, 230, 103603	3.9	5
179	The co-effect of heterogeneity and solute concentration on representative elementary volume of DNAPL in groundwater. *Journal of Hydrology*, **2020**, 585, 124795	6	1
178	Response of cucumber (Cucumis sativus) to perfluorooctanoic acid in photosynthesis and metabolomics. *Science of the Total Environment*, **2020**, 724, 138257	10.2	8
177	Experimental Study on the Vertical Deformation of Soils due to Groundwater Withdrawal. *International Journal of Geomechanics*, **2020**, 20, 04020076	3.1	1
176	On the nanoparticle transport and release in layered heterogeneous porous media under transient chemical conditions. *Journal of Hydrology*, **2020**, 586, 124889	6	0
175	Improved comprehensive ecological risk assessment method and sensitivity analysis of polycyclic aromatic hydrocarbons (PAHs). *Environmental Research*, **2020**, 187, 109500	7.9	4
174	Transport of polystyrene nanoplastics in natural soils: Effect of soil properties, ionic strength and cation type. *Science of the Total Environment*, **2020**, 707, 136065	10.2	60
173	Quantifying the change in streamflow complexity in the Yangtze River. *Environmental Research*, **2020**, 180, 108833	7.9	11
172	Improved Characterization of DNAPL Source Zones via Sequential Hydrogeophysical Inversion of Hydraulic-Head, Self-Potential and Partitioning Tracer Data. *Water Resources Research*, **2020**, 56, e2020WR027627	5.4	11
171	Importance of surface roughness on per□lorooctanoic acid (PFOA) transport in unsaturated porous media. *Environmental Pollution*, **2020**, 266, 115343	9.3	10
170	Evaluation of the performance of multiple-well hydraulic barriers on enhancing groundwater extraction in a coastal aquifer. *Advances in Water Resources*, **2020**, 144, 103704	4.7	5
169	Global sensitivity analysis on a numerical model of seawater intrusion and its implications for coastal aquifer management: a case study in Dagu River Basin, Jiaozhou Bay, China. *Hydrogeology Journal*, **2020**, 28, 2543-2557	3.1	10
168	Effects of Temperature, Solution pH, and Ball-Milling Modification on the Adsorption of Non-steroidal Anti-inflammatory Drugs onto Biochar. *Bulletin of Environmental Contamination and Toxicology*, **2020**, 105, 422-427	2.7	2
167	Multivariate Hazard Assessment for Nonstationary Seasonal Flood Extremes Considering Climate Change. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032780	4.4	2
166	Microbial Communities Associated with Sustained Anaerobic Reductive Dechlorination of □,□,□ and □Hexachlorocyclohexane Isomers to Monochlorobenzene and Benzene. *Environmental Science & Technology*, **2020**, 54, 255-265	10.3	14

165	Three-Dimensional Numerical Investigation of Pore Water Pressure and Deformation of Pumped Aquifer Systems. *Ground Water*, **2020**, 58, 278-290	2.4	4
164	Developing a dual entropy-transinformation criterion for hydrometric network optimization based on information theory and copulas. *Environmental Research*, **2020**, 180, 108813	7.9	3
163	Coupled hydrogeophysical inversion to identify non-Gaussian hydraulic conductivity field by jointly assimilating geochemical and time-lapse geophysical data. *Journal of Hydrology*, **2019**, 578, 124092	6	16
162	Evaluation of information transfer and data transfer models of rain-gauge network design based on information entropy. *Environmental Research*, **2019**, 178, 108686	7.9	5
161	Depth-dependent relation between hydraulic conductivity and electrical resistivity in geologic formations. *Journal of Hydrology*, **2019**, 578, 124081	6	1
160	Time Behavior of Anomalous Solute Transport in Three-Dimensional Cemented Porous Media. *Soil Science Society of America Journal*, **2019**, 83, 1012-1023	2.5	2
159	Efficient identification of preferential flow path in heterogeneous media based on stream function. *Journal of Hydrology*, **2019**, 577, 123961	6	3
158	Importance of Organic Matter to the Retention and Transport of Bisphenol A and Bisphenol S in Saturated Soils. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	4
157	An adaptive Kriging surrogate method for efficient uncertainty quantification with an application to geological carbon sequestration modeling. *Computers and Geosciences*, **2019**, 125, 69-77	4.5	9
156	A Proof-of-Concept Study of Using a Less Permeable Slice Along the Shoreline to Increase Fresh Groundwater Storage of Oceanic Islands: Analytical and Experimental Validation. *Water Resources Research*, **2019**, 55, 6450-6463	5.4	21
155	The influences of ionic strength and permeability on DNAPLs representative elementary volume in porous media. *Journal of Hydrology*, **2019**, 575, 94-104	6	4
154	The effect of infiltration flux on air counterflow in a 2-D confined sand chamber. *Journal of Hydrology*, **2019**, 571, 619-626	6	4
153	New finite volume multiscale finite element model for simultaneously solving groundwater flow and darcian velocity fields in porous media. *Journal of Hydrology*, **2019**, 573, 592-606	6	4
152	Deep Autoregressive Neural Networks for High-Dimensional Inverse Problems in Groundwater Contaminant Source Identification. *Water Resources Research*, **2019**, 55, 3856-3881	5.4	79
151	Deep Convolutional Encoder-Decoder Networks for Uncertainty Quantification of Dynamic Multiphase Flow in Heterogeneous Media. *Water Resources Research*, **2019**, 55, 703-728	5.4	99
150	Effects of flow rate variation on solute transport in a karst conduit with a pool. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	5
149	Transport and retention of perfluorooctanoic acid (PFOA) in natural soils: Importance of soil organic matter and mineral contents, and solution ionic strength. *Journal of Contaminant Hydrology* , **2019**, 225, 103477	3.9	26
148	Effect of cation type in mixed Ca-Na systems on transport of sulfonamide antibiotics in saturated limestone porous media. *Environmental Science and Pollution Research*, **2019**, 26, 11170-11178	5.1	4

147	Visualization of graphene oxide transport in two-dimensional homogeneous and heterogeneous porous media. *Journal of Hazardous Materials*, **2019**, 369, 334-341	12.8	10
146	Predictive Assessment of Groundwater Flow Uncertainty in Multiscale Porous Media by Using Truncated Power Variogram Model. *Transport in Porous Media*, **2019**, 126, 97-114	3.1	3
145	Effect of Different Conduit-Network Recharge Ways on Karst Spring Simulation. *Journal of Hydrologic Engineering - ASCE*, **2019**, 24, 04019038	1.8	1
144	Bayesian evaluation of meteorological datasets for modeling snowmelt runoff in Tizinafu watershed in Western China. *Theoretical and Applied Climatology*, **2019**, 138, 1991-2006	3	2
143	Cotransport of Herbaspirillum chlorophenolicum FA1 and heavy metals in saturated porous media: Effect of ion type and concentration. *Environmental Pollution*, **2019**, 254, 112940	9.3	2
142	Surrogate assisted multi-objective robust optimization for groundwater monitoring network design. *Journal of Hydrology*, **2019**, 577, 123994	6	12
141	Effect of Residual NAPLs on the Transport of Bisphenol A and Bisphenol S in Saturated Porous Media. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	1
140	Transport of a PAH-degrading bacterium in saturated limestone media under various physicochemical conditions: Common and unexpected retention and remobilization behaviors. *Journal of Hazardous Materials*, **2019**, 380, 120858	12.8	1
139	Groundwater contaminant source identification via Bayesian model selection and uncertainty quantification. *Hydrogeology Journal*, **2019**, 27, 2907-2918	3.1	4
138	Modelling spring discharge and solute transport in conduits by coupling CFPv2 to an epikarst reservoir for a karst aquifer. *Journal of Hydrology*, **2019**, 569, 587-599	6	17
137	Impacts of groundwater depth on regional scale soil gleyization under changing climate in the Poyang Lake Basin, China. *Journal of Hydrology*, **2019**, 568, 501-516	6	8
136	Permeability Estimation Based on the Geometry of Pore Space via Random Walk on Grids. *Geofluids* , **2019**, 2019, 1-10	1.5	95
135	Investigating the appropriate model structure for simulation of a karst catchment from the aspect of spatial complexity. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	4
134	Delineation of contaminant plume for an inorganic contaminated site using electrical resistivity tomography: comparison with direct-push technique. *Environmental Monitoring and Assessment*, **2018**, 190, 187	3.1	9
133	Joint inversion of physical and geochemical parameters in groundwater models by sequential ensemble-based optimal design. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 1919-1937	3.5	4
132	Assessment of groundwater exploitation in an aquifer using the random walk on grid method: a case study at Ordos, China. *Hydrogeology Journal*, **2018**, 26, 1669-1681	3.1	4
131	Graphene oxide-facilitated transport of levofloxacin and ciprofloxacin in saturated and unsaturated porous media. *Journal of Hazardous Materials*, **2018**, 348, 92-99	12.8	34
130	Improved Nested Sampling and Surrogate-Enabled Comparison With Other Marginal Likelihood Estimators. *Water Resources Research*, **2018**, 54, 797-826	5.4	25

129	Investigating the impacts of cascade hydropower development on the natural flow regime in the Yangtze River, China. *Science of the Total Environment*, **2018**, 624, 1187-1194	10.2	42
128	Surfactant-Enhanced Electroosmotic Flushing in a Trichlorobenzene Contaminated Clayey Soil. *Ground Water*, **2018**, 56, 673-679	2.4	6
127	The change of representative elementary volume of DNAPL influenced by surface active agents during long-term remediation period in heterogeneous porous media. *Science of the Total Environment*, **2018**, 625, 1175-1190	10.2	5
126	Complex conductivity of oil-contaminated clayey soils. *Journal of Hydrology*, **2018**, 561, 930-942	6	9
125	Adaptive surrogate model based multiobjective optimization for coastal aquifer management. *Journal of Hydrology*, **2018**, 561, 98-111	6	44
124	Experimental study of the moisture distribution on the wetting front during drainage and imbibition in a 2D sand chamber. *Journal of Hydrology*, **2018**, 561, 112-122	6	2
123	Porous nano-cerium oxide wood chip biochar composites for aqueous levofloxacin removal and sorption mechanism insights. *Environmental Science and Pollution Research*, **2018**, 25, 25629-25637	5.1	19
122	Distribution and Enrichment Factors of High-Arsenic Groundwater in Inland Arid Area of P. R. China: A Case Study of the Shihezi Area, Xinjiang. *Exposure and Health*, **2018**, 10, 1-13	8.8	12
121	Formation of magnesium hydrosilicate nanomaterials and its applications for phosphate/ammonium removal. *Environmental Technology (United Kingdom)*, **2018**, 39, 2162-2167	2.6	4
120	A hybrid wavelet de-noising and Rank-Set Pair Analysis approach for forecasting hydro-meteorological time series. *Environmental Research*, **2018**, 160, 269-281	7.9	24
119	Random walk path solution to groundwater flow dynamics in highly heterogeneous aquifers. *Journal of Hydrology*, **2018**, 563, 543-559	6	3
118	Integrating MT-DREAMzs and nested sampling algorithms to estimate marginal likelihood and comparison with several other methods. *Journal of Hydrology*, **2018**, 563, 750-765	6	10
117	Retention and Transport of Bisphenol A and Bisphenol S in Saturated Limestone Porous Media. *Water, Air, and Soil Pollution*, **2018**, 229, 1	2.6	11
116	Evaluating the interactions between surface water and groundwater in the arid mid-eastern Yanqi Basin, northwestern China. *Hydrological Sciences Journal*, **2018**, 63, 1313-1331	3.5	6
115	Usefulness of Soil Moisture and Actual Evapotranspiration Data for Constraining Potential Groundwater Recharge in Semiarid Regions. *Water Resources Research*, **2018**, 54, 4929-4945	5.4	12
114	Assessment of the impact of sea-level rise on steady-state seawater intrusion in a layered coastal aquifer. *Journal of Hydrology*, **2018**, 563, 851-862	6	19
113	Anomalous Solute Transport in Cemented Porous Media: Pore-scale Simulations. *Soil Science Society of America Journal*, **2018**, 82, 10-19	2.5	4
112	Quantitative assessment of the impact of an inter-basin surface-water transfer project on the groundwater flow and groundwater-dependent eco-environment in an oasis in arid northwestern China. *Hydrogeology Journal*, **2018**, 26, 1475-1485	3.1	5

111	Hydroxyl Radical Based Photocatalytic Degradation of Halogenated Organic Contaminants and Paraffin on Silica Gel. *Environmental Science & Technology*, **2018**, 52, 7220-7229	10.3	92
110	Natural Attenuation and Anaerobic Benzene Detoxification Processes at a Chlorobenzene-Contaminated Industrial Site Inferred from Field Investigations and Microcosm Studies. *Environmental Science & Technology*, **2018**, 52, 22-31	10.3	11
109	A three-dimensional model for quantification of the representative elementary volume of tortuosity in granular porous media. *Journal of Hydrology*, **2018**, 557, 128-136	6	9
108	Pumping-induced stress and strain in aquifer systems in Wuxi, China. *Hydrogeology Journal*, **2018**, 26, 771-787	3.1	6
107	A new method for wind speed forecasting based on copula theory. *Environmental Research*, **2018**, 160, 365-371	7.9	18
106	A kriging and entropy-based approach to raingauge network design. *Environmental Research*, **2018**, 161, 61-75	7.9	20
105	Identifying key factors of the seawater intrusion model of Dagu river basin, Jiaozhou Bay. *Environmental Research*, **2018**, 165, 425-430	7.9	20
104	Characteristic volume fractions of different grains in porous media for anomalous dispersion. *Environmental Fluid Mechanics*, **2018**, 18, 1559-1569	2.2	
103	Assessing titanium dioxide nanoparticles transport models by Bayesian uncertainty analysis. *Stochastic Environmental Research and Risk Assessment*, **2018**, 32, 3365-3379	3.5	4
102	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. *Journal of Hydrology*, **2018**, 567, 149-164	6	17
101	An Efficient Simulation□Optimization Approach for Controlling Seawater Intrusion. *Journal of Coastal Research*, **2018**, 84, 10-18	0.6	8
100	A Dehalogenimonas Population Respires 1,2,4-Trichlorobenzene and Dichlorobenzenes. *Environmental Science & Technology*, **2018**, 52, 13391-13398	10.3	10
99	Suspect and Nontarget Screening of Per- and Polyfluoroalkyl Substances in Wastewater from a Fluorochemical Manufacturing Park. *Environmental Science & Technology*, **2018**, 52, 11007-11016	10.3	79
98	Physicochemical factors controlling the retention and transport of perfluorooctanoic acid (PFOA) in saturated sand and limestone porous media. *Water Research*, **2018**, 141, 251-258	12.5	24
97	Effects of microarrangement of solid particles on PCE migration and its remediation in porous media. *Hydrology and Earth System Sciences*, **2018**, 22, 1001-1015	5.5	2
96	Perfluoroalkyl acids in the water cycle from a freshwater river basin to coastal waters in eastern China. *Chemosphere*, **2017**, 168, 390-398	8.4	14
95	Field application at a DNAPL-contaminated site in Nanjing and discussion of a source search algorithm based on stochastic modeling and Kalman filter. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	5
94	Efficient triple-grid multiscale finite element method for 3D groundwater flow simulation in heterogeneous porous media. *Journal of Hydrology*, **2017**, 546, 503-514	6	6

93	Identification of the dominant hydrological process and appropriate model structure of a karst catchment through stepwise simplification of a complex conceptual model. *Journal of Hydrology*, **2017**, 548, 75-87	6	23
92	Estimation of representative elementary volume for DNAPL saturation and DNAPL-water interfacial areas in 2D heterogeneous porous media. *Journal of Hydrology*, **2017**, 549, 12-26	6	11
91	Retention and transport of graphene oxide in water-saturated limestone media. *Chemosphere*, **2017**, 180, 506-512	8.4	45
90	Replenishing an unconfined coastal aquifer to control seawater intrusion: Injection or infiltration?. *Water Resources Research*, **2017**, 53, 4775-4786	5.4	23
89	A framework to assess the cumulative impacts of dams on hydrological regime: A case study of the Yangtze River. *Hydrological Processes*, **2017**, 31, 3045-3055	3.3	38
88	Quantifying representative elementary volume of connectivity for translucent granular materials by light transmission micro-tomography. *Journal of Hydrology*, **2017**, 545, 12-27	6	9
87	Precise simulation of long-term DNAPL migration in heterogeneous porous media based on light transmission micro-tomography. *Journal of Environmental Chemical Engineering*, **2017**, 5, 725-734	6.8	7
86	A domain decomposed finite element method for solving Darcian velocity in heterogeneous porous media. *Journal of Hydrology*, **2017**, 554, 32-49	6	2
85	Solving Time-Fractional Advection Dispersion Equation by Variable Weights Particle Tracking Method. *Journal of Statistical Physics*, **2017**, 168, 1248-1258	1.5	1
84	A novel treatment processes of struvite with pretreated magnesite as a source of low-cost magnesium. *Environmental Science and Pollution Research*, **2017**, 24, 22204-22213	5.1	14
83	Fully coupled three-dimensional nonlinear numerical simulation of pumping-induced land movement. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	6
82	Simulation of DNAPL migration in heterogeneous translucent porous media based on estimation of representative elementary volume. *Journal of Hydrology*, **2017**, 553, 276-288	6	7
81	A Taylor Expansion-Based Adaptive Design Strategy for Global Surrogate Modeling With Applications in Groundwater Modeling. *Water Resources Research*, **2017**, 53, 10802-10823	5.4	23
80	Effects of inner heterogeneity on long-term DNAPL migration in porous media. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	2
79	Laboratory investigation and simulation of breakthrough curves in karst conduits with pools. *Hydrogeology Journal*, **2017**, 25, 2235-2250	3.1	8
78	Comprehensive evaluation of shallow groundwater quality in Central and Southern Jiangsu Province, China. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	6
77	Retention and Transport of PAH-Degrading Bacterium Herbaspirillum chlorophenolicum FA1 in Saturated Porous Media Under Various Physicochemical Conditions. *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	5
76	Quantitative assessment of electrical resistivity tomography for monitoring DNAPLs migration Comparison with high-resolution light transmission visualization in laboratory sandbox. *Journal of Hydrology*, **2017**, 544, 254-266	6	20

75	Assessing Risks at a Former Chemical Facility, Nanjing City, China: An Early Test of the New Remediation Guidelines for Waste Sites in China. *Water (Switzerland)*, **2017**, 9, 657	3	
74	Experimental and theoretical insights into the photochemical decomposition of environmentally persistent perfluorocarboxylic acids. *Water Research*, **2016**, 104, 34-43	12.5	53
73	Retention and Release of Graphene Oxide in Structured Heterogeneous Porous Media under Saturated and Unsaturated Conditions. *Environmental Science & Technology*, **2016**, 50, 10397-10405	10.3	32
72	Assessing Bayesian model averaging uncertainty of groundwater modeling based on information entropy method. *Journal of Hydrology*, **2016**, 538, 689-704	6	19
71	Effects of surface active agents on DNAPL migration and distribution in saturated porous media. *Science of the Total Environment*, **2016**, 571, 1147-54	10.2	14
70	Combination of Multiscale Finite-Element Method and Yeh's Finite-Element Model for Solving Nodal Darcian Velocities and Fluxes in Porous Media. *Journal of Hydrologic Engineering - ASCE*, **2016**, 21, 04016048	1.8	
69	Three-dimensional numerical modeling of land subsidence in Shanghai, China. *Hydrogeology Journal*, **2016**, 24, 695-709	3.1	31
68	Mechanisms for earth fissure formation due to groundwater extraction in the Su-Xi-Chang area, China. *Bulletin of Engineering Geology and the Environment*, **2016**, 75, 745-760	4	22
67	A modified inverse procedure for calibrating parameters in a land subsidence model and its field application in Shanghai, China. *Hydrogeology Journal*, **2016**, 24, 711-725	3.1	12
66	Efficient Triple-Grid Multiscale Finite Element Method for Solving Groundwater Flow Problems in Heterogeneous Porous Media. *Transport in Porous Media*, **2016**, 112, 361-380	3.1	3
65	Removal of levofloxacin from aqueous solution using rice-husk and wood-chip biochars. *Chemosphere*, **2016**, 150, 694-701	8.4	75
64	Assessing the pollution risk of a groundwater source field at western Laizhou Bay under seawater intrusion. *Environmental Research*, **2016**, 148, 586-594	7.9	28
63	Experimental and numerical modeling of chemical osmosis in the clay samples of the aquitard in the North China Plain. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	7
62	Removal of tetrachloroethylene from homogeneous and heterogeneous porous media: Combined effects of surfactant solubilization and oxidant degradation. *Chemical Engineering Journal*, **2016**, 283, 595-603	14.7	32
61	Entropy of hydrological systems under small samples: Uncertainty and variability. *Journal of Hydrology*, **2016**, 532, 163-176	6	12
60	The effects of artificial recharge of groundwater on controlling land subsidence and its influence on groundwater quality and aquifer energy storage in Shanghai, China. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	48
59	Evaluating two sparse grid surrogates and two adaptation criteria for groundwater Bayesian uncertainty quantification. *Journal of Hydrology*, **2016**, 535, 120-134	6	28
58	Hydrochemical investigation of shallow groundwater in northwest margin of Lop Nur, northwest China. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	3

57	Graphene oxide as filter media to remove levofloxacin and lead from aqueous solution. *Chemosphere*, **2016**, 150, 759-764	8.4	62
56	Biodegradation of Pyrene by Free and Immobilized Cells of Herbaspirillum chlorophenolicum Strain FA1. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	17
55	A multidimension cloud model-based approach for water quality assessment. *Environmental Research*, **2016**, 149, 113-121	7.9	43
54	Effects of grain size and structural heterogeneity on the transport and retention of nano-TiO2 in saturated porous media. *Science of the Total Environment*, **2016**, 563-564, 987-95	10.2	43
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