Chunmiao Zheng

List of Publications by Year
in descending order

373 papers	14,705 citations	16451 64 h-index	33894 99 g-index
392 all docs	392 docs citations	392 times ranked	12783 citing authors

#	Article	IF	Citations
1	Human health risk assessment of antibiotic resistance associated with antibiotic residues in the environment: A review. Environmental Research, 2019, 169, 483-493.	7.5	694
2	Water scarcity assessments in the past, present, and future. Earth's Future, 2017, 5, 545-559.	6.3	545
3	Global change and the groundwater management challenge. Water Resources Research, 2015, 51, 3031-3051.	4.2	282
4	Use of flow modeling to assess sustainability of groundwater resources in the North China Plain. Water Resources Research, 2013, 49, 159-175.	4.2	274
5	MODFLOW/MT3DMS-Based Reactive Multicomponent Transport Modeling. Ground Water, 2003, 41, 247-257.	1.3	256
6	A dual-domain mass transfer approach for modeling solute transport in heterogeneous aquifers: Application to the Macrodispersion Experiment (MADE) site. Water Resources Research, 2000, 36, 2501-2515.	4.2	204
7	Engineering antifouling reverse osmosis membranes: A review. Desalination, 2021, 499, 114857.	8.2	192
8	Hydrological Cycle in the Heihe River Basin and Its Implication for Water Resource Management in Endorheic Basins. Journal of Geophysical Research D: Atmospheres, 2018, 123, 890-914.	3.3	189
9	The foodâ€energyâ€water nexus: Transforming science for society. Water Resources Research, 2017, 53, 3550-3556.	4.2	180
10	Challenges in operationalizing the waterâ€“energyâ€“food nexus. Hydrological Sciences Journal, 2017, 62, 1714-1720.	2.6	159
11	Global mapping reveals increase in lacustrine algal blooms over the past decade. Nature Geoscience, 2022, 15, 130-134.	12.9	158
12	Modelling the fate of oxidisable organic contaminants in groundwater. Advances in Water Resources, 2002, 25, 945-983.	3.8	157
13	Global trends in water and sediment fluxes of the worldâ€™s large rivers. Science Bulletin, 2020, 65, 62-69.	9.0	156
14	Deceleration of Chinaâ€™s human water use and its key drivers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7702-7711.	7.1	155
15	Analysis of Solute Transport in Flow Fields Influenced by Preferential Flowpaths at the Decimeter Scale. Ground Water, 2003, 41, 142-155.	1.3	149
16	Spatial-temporal distribution of microplastics in surface water and sediments of Maozhou River within Guangdong-Hong Kong-Macao Greater Bay Area. Science of the Total Environment, 2020, 717, 135187.	8.0	145
17	Groundwater depletion and contamination: Spatial distribution of groundwater resources sustainability in China. Science of the Total Environment, 2019, 672, 551-562.	8.0	143
18	Can China Cope with Its Water Crisis?â€”Perspectives from the North China Plain. Ground Water, 2010, 48, 350-354.	1.3	141

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19	Modeling surface water-groundwater interaction in arid and semi-arid regions with intensive agriculture. Environmental Modelling and Software, 2015, 63, 170-184.	4.5	141
20	PFAS and their substitutes in groundwater: Occurrence, transformation and remediation. Journal of Hazardous Materials, 2021, 412, 125159.	12.4	137
21	COVID-19 waste management: Effective and successful measures in Wuhan, China. Resources, Conservation and Recycling, 2020, 163, 105071.	10.8	132
22	MIL-53(Fe) incorporated in the lamellar BiOBr: Promoting the visible-light catalytic capability on the degradation of rhodamine B and carbamazepine. Chemical Engineering Journal, 2019, 374, 975-982.	12.7	130
23	Lessons Learned from 25 Years of Research at the MADE Site. Ground Water, 2011, 49, 649-662.	1.3	128
24	The occurrence, potential toxicity, and toxicity mechanism of bisphenol S, a substitute of bisphenol A: A critical review of recent progress. Ecotoxicology and Environmental Safety, 2019, 173, 192-202.	6.0	126
25	Analysis of streamflow variations in the Heihe River Basin, northwest China: Trends, abrupt changes, driving factors and ecological influences. Journal of Hydrology: Regional Studies, 2015, 3, 106-124.	2.4	118
26	A Field Demonstration of the Simulation Optimization Approach for Remediation System Design. Ground Water, 2002, 40, 258-266.	1.3	117
27	Immunotoxicity of bisphenol S and F are similar to that of bisphenol A during zebrafish early development. Chemosphere, 2018, 194, 1-8.	8.2	116
28	Natural Attenuation of BTEX Compounds: Model Development and Field-Scale Application. Ground Water, 1999, 37, 707-717.	1.3	112
29	Efficient detection and assessment of human exposure to trace antibiotic residues in drinking water. Water Research, 2020, 175, 115699.	11.3	112
30	Spatial connectivity in a highly heterogeneous aquifer: From cores to preferential flow paths. Water Resources Research, 2011, 47, .	4.2	111
31	A simple and objective method to partition evapotranspiration into transpiration and evaporation at eddy-covariance sites. Agricultural and Forest Meteorology, 2019, 265, 171-182.	4.8	111
32	Polyaniline-based adsorbents for aqueous pollutants removal: A review. Chemical Engineering Journal, 2021, 418, 129425.	12.7	108
33	GROUND WATER MANAGEMENT OPTIMIZATION USING GENETIC ALGORITHMS AND SIMULATED ANNEALING: FORMULATION AND COMPARISON. Journal of the American Water Resources Association, 1998, 34, 519-530.	2.4	107
34	Occurrence of antibiotics in the main rivers of Shenzhen, China: Association with antibiotic resistance genes and microbial community. Science of the Total Environment, 2019, 653, 334-341.	8.0	100
35	Influence of mineral matter on pyrolysis of palm oil wastes. Combustion and Flame, 2006, 146, 605-611.	5.2	97
36	Impacts of thickening unsaturated zone on groundwater recharge in the North China Plain. Journal of Hydrology, 2016, 537, 260-270.	5.4	95

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37	Geochemical evolution of groundwater in carbonate aquifers in Taiyuan, northern China. Applied Geochemistry, 2011, 26, 884-897.	3.0	91
38	Cost-effective sampling network design for contaminant plume monitoring under general hydrogeological conditions. Journal of Contaminant Hydrology, 2005, 77, 41-65.	3.3	89
39	Optimal Remediation Policy Selection under General Conditions. Ground Water, 1997, 35, 757-764.	1.3	88
40	Parameter structure identification using tabu search and simulated annealing. Advances in Water Resources, 1996, 19, 215-224.	3.8	87
41	A modeling study of seawater intrusion in Alabama Gulf Coast, USA. Environmental Geology, 2009, 57, 119-130.	1.2	87
42	Dissolved Oxygen Imaging in a Porous Medium to Investigate Biodegradation in a Plume with Limited Electron Acceptor Supply. Environmental Science & Technology, 2003, 37, 1905-1911.	10.0	85
43	Optimizing conjunctive use of surface water and groundwater for irrigation to address human-nature water conflicts: A surrogate modeling approach. Agricultural Water Management, 2016, 163, 380-392.	5.6	85
44	Review: Safe and sustainable groundwater supply in China. Hydrogeology Journal, 2018, 26, 1301-1324.	2.1	85
45	Exploring scaleâ€dependent ecohydrological responses in a large endorheic river basin through integrated surface waterâ€groundwater modeling. Water Resources Research, 2015, 51, 4065-4085.	4.2	79
46	Health impacts of indoor air pollution from household solid fuel on children and women. Journal of Hazardous Materials, 2021, 416, 126127.	12.4	78
47	Photolysis of enrofloxacin, pefloxacin and sulfaquinoxaline in aqueous solution by UV/H2O2, UV/Fe(II), and UV/H2O2/Fe(II) and the toxicity of the final reaction solutions on zebrafish embryos. Science of the Total Environment, 2019, 651, 1457-1468.	8.0	77
48	Ground Water Sustainability: Methodology and Application to the North China Plain. Ground Water, 2008, 46, 897-909.	1.3	76
49	Effects of Density and Viscosity in Modeling Heat as a Groundwater Tracer. Ground Water, 2010, 48, 380-389.	1.3	76
50	Optimizing water resources management in large river basins with integrated surface waterâ€groundwater modeling: A surrogateâ€based approach. Water Resources Research, 2015, 51, 2153-2173.	4.2	76
51	Estimation of submarine groundwater discharge and associated nutrient fluxes in eastern Laizhou Bay, China using 222Rn. Journal of Hydrology, 2016, 533, 103-113.	5.4	76
52	Heavy metal contamination in surface sediments: A comprehensive, large-scale evaluation for the Bohai Sea, China. Environmental Pollution, 2020, 260, 113986.	7.5	76
53	Delineating Alluvial Aquifer Heterogeneity Using Resistivity and GPR Data. Ground Water, 2005, 43, 050914063638004-???.	1.3	73
54	Deforestation-induced warming over tropical mountain regions regulated by elevation. Nature Geoscience, 2021, 14, 23-29.	12.9	73

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55	Systematic assessment of the uncertainty in integrated surface waterâ€groundwater modeling based on the probabilistic collocation method. Water Resources Research, 2014, 50, 5848-5865.	4.2	72
56	Submarine groundwater discharge as an important nutrient source influencing nutrient structure in coastal water of Daya Bay, China. Geochimica Et Cosmochimica Acta, 2018, 225, 52-65.	3.9	72
57	Amino-functionalized sewage sludge-derived biochar as sustainable efficient adsorbent for Cu(II) removal. Waste Management, 2019, 90, 17-28.	7.4	72
58	Conceptual and numerical models for groundwater flow in an arid inland river basin. Hydrological Processes, 2015, 29, 1480-1492.	2.6	71
59	An integrated global and local optimization approach for remediation system design. Water Resources Research, 1999, 35, 137-148.	4.2	70
60	A comparative study of Monte Carlo simple genetic algorithm and noisy genetic algorithm for cost-effective sampling network design under uncertainty. Advances in Water Resources, 2006, 29, 899-911.	3.8	67
61	The comparative toxicities of BPA, BPB, BPS, BPF, and BPAF on the reproductive neuroendocrine system of zebrafish embryos and its mechanisms. Journal of Hazardous Materials, 2021, 406, 124303.	12.4	67
62	A fieldâ€scale reactive transport model for U(VI) migration influenced by coupled multirate mass transfer and surface complexation reactions. Water Resources Research, 2010, 46, .	4.2	66
63	Limits of applicability of the advection-dispersion model in aquifers containing connected high-conductivity channels. Water Resources Research, 2004, 40, .	4.2	65
64	Persulfate activation by natural zeolite supported nanoscale zero-valent iron for trichloroethylene degradation in groundwater. Science of the Total Environment, 2019, 684, 351-359.	8.0	63
65	Anthropogenic transformation of Yangtze Plain freshwater lakes: patterns, drivers and impacts. Remote Sensing of Environment, 2020, 248, 111998.	11.0	63
66	Quantitative assessment of groundwater vulnerability using index system and transport simulation, Huangshuihe catchment, China. Science of the Total Environment, 2010, 408, 6108-6116.	8.0	57
67	Accelerating rates of Arctic carbon cycling revealed by long-term atmospheric CO ₂ measurements. Science Advances, 2018, 4, eaao1167.	10.3	57
68	Determination of Environmental Micro(Nano)Plastics by Matrix-Assisted Laser Desorption/Ionizationâ€“Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2020, 92, 14346-14356.	6.5	57
69	Upward expansion and acceleration of forest clearance in the mountains of Southeast Asia. Nature Sustainability, 2021, 4, 892-899.	23.7	56
70	Insights into the adsorption mechanism of tannic acid by a green synthesized nano-hydroxyapatite and its effect on aqueous Cu(II) removal. Science of the Total Environment, 2021, 778, 146189.	8.0	56
71	Controlling processes in a CaCO3 precipitating stream in Huanglong Natural Scenic District, Sichuan, China. Journal of Hydrology, 2000, 230, 34-54.	5.4	55
72	Quantifying nitrogen leaching response to fertilizer additions in China's cropland. Environmental Pollution, 2016, 211, 241-251.	7.5	54

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73	Single and joint toxic effects of four antibiotics on some metabolic pathways of zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overloc	8.0	54
74	How Will Climate Change Affect the Water Availability in the Heihe River Basin, Northwest China?. Journal of Hydrometeorology, 2016, 17, 1517-1542.	1.9	53
75	Effect of inherent minerals on sewage sludge pyrolysis: Product characteristics, kinetics and thermodynamics. Waste Management, 2018, 80, 175-185.	7.4	53
76	Utility of bromide and heat tracers for aquifer characterization affected by highly transient flow conditions. Water Resources Research, 2012, 48, .	4.2	51
77	Product characteristics and kinetics of sewage sludge pyrolysis driven by alkaline earth metals. Energy, 2018, 153, 921-932.	8.8	51
78	Macromolecular humic acid modified nano-hydroxyapatite for simultaneous removal of Cu(II) and methylene blue from aqueous solution: Experimental design and adsorption study. International Journal of Biological Macromolecules, 2020, 150, 849-860.	7.5	51
79	Emission sources and full spectrum of health impacts of black carbon associated polycyclic aromatic hydrocarbons (PAHs) in urban environment: A review. Critical Reviews in Environmental Science and Technology, 2021, 51, 857-896.	12.8	51
80	Evaluation of the applicability of the dualâ€domain mass transfer model in porous media containing connected highâ€conductivity channels. Water Resources Research, 2007, 43, .	4.2	50
81	Integrated geophysical and geological investigation of a heterogeneous fluvial aquifer in Columbus Mississippi. Journal of Applied Geophysics, 2007, 62, 58-73.	2.1	50
82	A lithofacies approach for modeling nonâ€‹<scp>F</scp>ickian solute transport in a heterogeneous alluvial aquifer. Water Resources Research, 2016, 52, 552-565.	4.2	50
83	Numerical Simulation of a Natural Gradient Tracer Experiment for the Natural Attenuation Study: Flow and Physical Transport. Ground Water, 2001, 39, 534-545.	1.3	49
84	Hydrogeochemical signatures and evolution of groundwater impacted by the Bayan Obo tailing pond in northwest China. Science of the Total Environment, 2016, 543, 357-372.	8.0	49
85	Nutrient inputs through submarine groundwater discharge in an embayment: A radon investigation in Daya Bay, China. Journal of Hydrology, 2017, 551, 784-792.	5.4	49
86	Radium and nitrogen isotopes tracing fluxes and sources of submarine groundwater discharge driven nitrate in an urbanized coastal area. Science of the Total Environment, 2021, 763, 144616.	8.0	49
87	What controls the partitioning between baseflow and mountain block recharge in the Qinghaiâ€Tibet Plateau?. Geophysical Research Letters, 2017, 44, 8352-8358.	4.0	48
88	Ramanâ€“deuterium isotope probing to study metabolic activities of single bacterial cells in human intestinal microbiota. Microbial Biotechnology, 2020, 13, 572-583.	4.2	48
89	A review of specific storage in aquifers. Journal of Hydrology, 2020, 581, 124383.	5.4	48
90	Occurrence and distribution of antibiotics in groundwater, surface water, and sediment in Xiong'an New Area, China, and their relationship with antibiotic resistance genes. Science of the Total Environment, 2022, 807, 151011.	8.0	47

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91	Doubling of annual forest carbon loss over the tropics during the early twenty-first century. Nature Sustainability, 2022, 5, 444-451.	23.7	47
92	Antibiotic enhanced dopamine polymerization for engineering antifouling and antimicrobial membranes. Chinese Chemical Letters, 2020, 31, 851-854.	9.0	46
93	Transcriptomic Responses of Bisphenol S Predict Involvement of Immune Function in the Cardiotoxicity of Early Life-Stage Zebrafish (Danio rerio). Environmental Science & Technology, 2020, 54, 2869-2877.	10.0	46
94	Enhanced Cr(VI) removal from water using a green synthesized nanocrystalline chlorapatite: Physicochemical interpretations and fixed-bed column mathematical model study. Chemosphere, 2021, 264, 128421.	8.2	45
95	Integrated hydrological modeling of the North China Plain and implications for sustainable water management. Hydrology and Earth System Sciences, 2013, 17, 3759-3778.	4.9	44
96	One-step construction of hierarchical porous channels on electrospun MOF/polymer/graphene oxide composite nanofibers for effective arsenate removal from water. Chemical Engineering Journal, 2022, 435, 134830.	12.7	44
97	A time fractional convectionâ€“diffusion equation to model gas transport through heterogeneous soil and gas reservoirs. Physica A: Statistical Mechanics and Its Applications, 2018, 502, 356-369.	2.6	43
98	Spatial fractional Darcyâ€™s law to quantify fluid flow in natural reservoirs. Physica A: Statistical Mechanics and Its Applications, 2019, 519, 119-126.	2.6	43
99	Effect of low-level H2O2 and Fe(II) on the UV treatment of tetracycline antibiotics and the toxicity of reaction solutions to zebrafish embryos. Chemical Engineering Journal, 2020, 394, 125021.	12.7	43
100	MT3DMS: Model Use, Calibration, and Validation. Transactions of the ASABE, 2012, 55, 1549-1559.	1.1	42
101	Urban water sustainability: framework and application. Ecology and Society, 2016, 21, .	2.3	42
102	Improving Estimation of Submarine Groundwater Discharge Using Radium and Radon Tracers: Application in Jiaozhou Bay, China. Journal of Geophysical Research: Oceans, 2017, 122, 8263-8277.	2.6	42
103	Bisphenol S-induced chronic inflammatory stress in liver via peroxisome proliferator-activated receptor Î³ using fish inÂvivo and inÂvitro models. Environmental Pollution, 2019, 246, 963-971.	7.5	42
104	Evidence linking exposure of fish primary macrophages to antibiotics activates the NF-kB pathway. Environment International, 2020, 138, 105624.	10.0	42
105	Pollution assessment and sources of dissolved heavy metals in coastal water of a highly urbanized coastal area: The role of groundwater discharge. Science of the Total Environment, 2022, 807, 151070.	8.0	42
106	A general approach to advectiveâ€“dispersive transport with multirate mass transfer. Advances in Water Resources, 2005, 28, 33-42.	3.8	41
107	Novel Calcium Oxide-Enhancement Phosphorus Recycling Technique through Sewage Sludge Pyrolysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 9167-9177.	6.7	41
108	Investigation of Small-Scale Preferential Flow with a Forced-Gradient Tracer Test. Ground Water, 2011, 49, 503-514.	1.3	40

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109	Can urbanization solve inter-sector water conflicts? Insight from a case study in Hebei Province, North China Plain. Water Policy, 2007, 9, 75-93.	1.5	39
110	Geological modeling of submeter scale heterogeneity and its influence on tracer transport in a fluvial aquifer. Water Resources Research, 2010, 46, .	4.2	39
111	In vivo actions of Bisphenol F on the reproductive neuroendocrine system after long-term exposure in zebrafish. Science of the Total Environment, 2019, 665, 995-1002.	8.0	39
112	Reducing Long-Term Remedial Costs by Transport Modeling Optimization. Ground Water, 2006, 44, 864-875.	1.3	38
113	Hydrological and land use control of watershed exports of dissolved organic matter in a large arid river basin in northwestern China. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 466-478.	3.0	38
114	Energy for water utilization in China and policy implications for integrated planning. International Journal of Water Resources Development, 2016, 32, 477-494.	2.0	38
115	Simultaneous stabilization of Pb and improvement of soil strength using nZVI. Science of the Total Environment, 2019, 651, 877-884.	8.0	38
116	Seawater-groundwater exchange and nutrients carried by submarine groundwater discharge in different types of wetlands at Jiaozhou Bay, China. Journal of Hydrology, 2017, 555, 185-197.	5.4	37
117	Groundwater-pumping optimization for land-subsidence control in Beijing plain, China. Hydrogeology Journal, 2018, 26, 1061-1081.	2.1	37
118	Large <scp>CO₂</scp> release and tidal flushing in salt marsh crab burrows reduce the potential for blue carbon sequestration. Limnology and Oceanography, 2021, 66, 14-29.	3.1	37
119	Environmental emission, fate and transformation of microplastics in biotic and abiotic compartments: Global status, recent advances and future perspectives. Science of the Total Environment, 2021, 791, 148422.	8.0	37
120	Toxic chemicals from uncontrolled e-waste recycling: Exposure, body burden, health impact. Journal of Hazardous Materials, 2022, 426, 127792.	12.4	37
121	Concerns about phytoplankton bloom trends in global lakes. Nature, 2021, 590, E35-E47.	27.8	36
122	Novel hybrid coupling of ecohydrology and socioeconomy at river basin scale: A watershed system model for the Heihe River basin. Environmental Modelling and Software, 2021, 141, 105058.	4.5	36
123	Role of Groundwater in the Dryland Ecohydrological System: A Case Study of the Heihe River Basin. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6760-6776.	3.3	35
124	Trace Analysis of Multiclass Antibiotics in Food Products by Liquid Chromatography-Tandem Mass Spectrometry: Method Development. Journal of Agricultural and Food Chemistry, 2021, 69, 1656-1666.	5.2	35
125	Uncertainty of natural tracer methods for quantifying riverâ€“aquifer interaction in a large river. Journal of Hydrology, 2016, 535, 135-147.	5.4	34
126	Alkali metal-driven release behaviors of volatiles during sewage sludge pyrolysis. Journal of Cleaner Production, 2018, 203, 860-872.	9.3	34

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127	Integration of groundwater into China's south-north water transfer strategy. Science of the Total Environment, 2019, 658, 550-557.	8.0	34
128	Pollution characteristics, mechanism of toxicity and health effects of the ultrafine particles in the indoor environment: Current status and future perspectives. Critical Reviews in Environmental Science and Technology, 2022, 52, 436-473.	12.8	34
129	Carboxylated Nanodiamond-Enhanced Photocatalytic Membranes with Improved Antifouling and Self-Cleaning Properties. Industrial & Engineering Chemistry Research, 2020, 59, 3538-3549.	3.7	34
130	Analysis of Ground-Water Remedial Alternatives at a Superfund Site. Ground Water, 1991, 29, 838-848.	1.3	33
131	Numerical Simulation of Tracer Tests in Heterogeneous Aquifer. Journal of Environmental Engineering, ASCE, 1998, 124, 510-516.	1.4	33
132	Tidal groundwater flow and its ecological effects in a brackish marsh at the mouth of a large sub-tropical river. Journal of Hydrology, 2017, 555, 198-212.	5.4	33
133	The inÂvivo action of chronic bisphenol F showing potential immune disturbance in juvenile common carp (Cyprinus carpio). Chemosphere, 2018, 205, 506-513.	8.2	33
134	Comprehensive hydrologic calibration of SWAT and water balance analysis in mountainous watersheds in northwest China. Physics and Chemistry of the Earth, 2015, 79-82, 76-85.	2.9	32
135	Maternal exposure to environmental antibiotic mixture during gravid period predicts gastrointestinal effects in zebrafish offspring. Journal of Hazardous Materials, 2020, 399, 123009.	12.4	32
136	Ramanâ€activated sorting of antibioticâ€resistant bacteria in human gut microbiota. Environmental Microbiology, 2020, 22, 2613-2624.	3.8	32
137	Role of Groundwater in Sustaining Northern Himalayan Rivers. Geophysical Research Letters, 2021, 48, e2020GL092354.	4.0	32
138	Extension of the Method of Characteristics for Simulation of Solute Transport in Three Dimensions. Ground Water, 1993, 31, 456-465.	1.3	31
139	Analysis of Particle Tracking Errors Associated with Spatial Discretization. Ground Water, 1994, 32, 821-828.	1.3	31
140	Behavior of the mass transfer coefficient during the MADEâ€2 experiment: New insights. Water Resources Research, 2008, 44, .	4.2	31
141	Comparison of parameter sensitivities between a laboratory and fieldâ€scale model of uranium transport in a dual domain, distributed rate reactive system. Water Resources Research, 2010, 46, .	4.2	31
142	A niched Pareto tabu search for multi-objective optimal design of groundwater remediation systems. Journal of Hydrology, 2013, 490, 56-73.	5.4	30
143	Effect of Calcium Hydroxide on the Pyrolysis Behavior of Sewage Sludge: Reaction Characteristics and Kinetics. Energy & Fuels, 2017, 31, 5079-5087.	5.1	30
144	Metabolism disruption analysis of zebrafish larvae in response to BPA and BPA analogs based on RNA-Seq technique. Ecotoxicology and Environmental Safety, 2019, 174, 181-188.	6.0	30

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145	Hydrogeology of the Pearl River Delta, southern China. Journal of Maps, 2020, 16, 388-395.	2.0	30
146	Simulating PFAS adsorption kinetics, adsorption isotherms, and nonideal transport in saturated soil with tempered one-sided stable density (TOSD) based models. Journal of Hazardous Materials, 2021, 411, 125169.	12.4	30
147	Human daily dietary intakes of antibiotic residues: Dominant sources and health risks. Environmental Research, 2022, 212, 113387.	7.5	30
148	Surficial processes and CO2 flux in soil ecosystem. Journal of Hydrology, 2000, 234, 54-70.	5.4	29
149	Comment on â€œInvestigating the Macrodispersion Experiment (MADE) site in Columbus, Mississippi, using a three-dimensional inverse flow and transport modelâ€•by Heidi Christiansen Barlebo, Mary C. Hill, and Dan Rosbjerg. Water Resources Research, 2006, 42, .	4.2	29
150	PGO: A parallel computing platform for global optimization based on genetic algorithm. Computers and Geosciences, 2007, 33, 357-366.	4.2	29
151	Influence of calcite on uranium(VI) reactive transport in the groundwaterâ€“river mixing zone. Journal of Contaminant Hydrology, 2014, 156, 27-37.	3.3	29
152	High-quality bacterial genomes of a partial-nitritation/anammox system by an iterative hybrid assembly method. Microbiome, 2020, 8, 155.	11.1	29
153	How do social media and individual behaviors affect epidemic transmission and control?. Science of the Total Environment, 2021, 761, 144114.	8.0	29
154	Charting the complexity of the activated sludge microbiome through a hybrid sequencing strategy. Microbiome, 2021, 9, 205.	11.1	29
155	Exploring spatial heterogeneity and temporal dynamics of human-hydrological interactions in large river basins with intensive agriculture: A tightly coupled, fully integrated modeling approach. Journal of Hydrology, 2020, 591, 125313.	5.4	28
156	Recent Developments and Future Directions for MT3DMS and Related Transport Codes. Ground Water, 2009, 47, 620-625.	1.3	27
157	Relative importance of dispersion and rateâ€limited mass transfer in highly heterogeneous porous media: Analysis of a new tracer test at the Macrodispersion Experiment (MADE) site. Water Resources Research, 2010, 46, .	4.2	27
158	Genome-wide identification of the interactions between key genes and pathways provide new insights into the toxicity of bisphenol F and S during early development in zebrafish. Chemosphere, 2018, 213, 559-567.	8.2	27
159	The Nexus of Water, Ecosystems, and Agriculture in Endorheic River Basins: A System Analysis Based on Integrated Ecohydrological Modeling. Water Resources Research, 2018, 54, 7534-7556.	4.2	27
160	Sulfadiazine biodegradation by Phanerochaete chrysosporium: Mechanism and degradation product identification. Chemosphere, 2019, 237, 124418.	8.2	27
161	Translocation, bioaccumulation, and distribution of perfluoroalkyl and polyfluoroalkyl substances (PFASs) in plants. IScience, 2022, 25, 104061.	4.1	27
162	Comparison of Time Nonlocal Transport Models for Characterizing Non-Fickian Transport: From Mathematical Interpretation to Laboratory Application. Water (Switzerland), 2018, 10, 778.	2.7	26

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163	Quantifying mass transfer in permeable media containing conductive dendritic networks. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	25
164	Time fractional derivative model with Mittag-Leffler function kernel for describing anomalous diffusion: Analytical solution in bounded-domain and model comparison. Chaos, Solitons and Fractals, 2018, 115, 306-312.	5.1	25
165	Impacts of the influx of e-waste into Hong Kong after China has tightened up entry regulations. Critical Reviews in Environmental Science and Technology, 2020, 50, 105-134.	12.8	25
166	A field demonstration of the entropy-weighted fuzzy DRASTIC method for groundwater vulnerability assessment. Hydrological Sciences Journal, 2012, 57, 1420-1432.	2.6	24
167	Revised conceptualization of the North China Basin groundwater flow system: Groundwater age, heat and flow simulations. Journal of Asian Earth Sciences, 2016, 127, 119-136.	2.3	24
168	Analysis of interceptor ditches for control of groundwater pollution. Journal of Hydrology, 1988, 98, 67-81.	5.4	23
169	Importance of considering intraborehole flow in solute transport modeling under highly dynamic flow conditions. Journal of Contaminant Hydrology, 2011, 123, 11-19.	3.3	23
170	System dynamics analysis of water supply and demand in the North China Plain. Water Policy, 2012, 14, 214-231.	1.5	23
171	Development of a visualization tool for integrated surface waterâ€“groundwater modeling. Computers and Geosciences, 2016, 86, 1-14.	4.2	23
172	A comprehensive graphical modeling platform designed for integrated hydrological simulation. Environmental Modelling and Software, 2018, 108, 154-173.	4.5	23
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