Jinzhong Yang

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.

41 papers	**493** citations
12 h-index	**21** g-index
43 ext. papers	**603** ext. citations
4.5 avg, IF	**3.71** L-index

#	Paper	IF	Citations
41	Remote Sensing Monitoring of Changes in Soil Salinity: A Case Study in Inner Mongolia, China. *Sensors*, **2008**, 8, 7035-7049	3.8	66
40	Transport of bacteria in porous media and its enhancement by surfactants for bioaugmentation: A review. *Biotechnology Advances*, **2017**, 35, 490-504	17.8	45
39	Numerical Comparison of Iterative Ensemble Kalman Filters for Unsaturated Flow Inverse Modeling. *Vadose Zone Journal*, **2014**, 13, 1-12	2.7	42
38	A modified Picard iteration scheme for overcoming numerical difficulties of simulating infiltration into dry soil. *Journal of Hydrology*, **2017**, 551, 56-69	6	36
37	A generalized Ross method for two- and three-dimensional variably saturated flow. *Advances in Water Resources*, **2013**, 54, 67-77	4.7	27
36	A comparative study of numerical approaches to risk assessment of contaminant transport. *Stochastic Environmental Research and Risk Assessment*, **2010**, 24, 971-984	3.5	27
35	On the effectiveness of dry drainage in soil salinity control. *Science in China Series D: Earth Sciences*, **2009**, 52, 3328-3334		26
34	Simulating One-Dimensional Unsaturated Flow in Heterogeneous Soils with Water Content-Based Richards Equation. *Vadose Zone Journal*, **2013**, 12, vzj2012.0109	2.7	24
33	Review of numerical solution of Richardson‐Richards equation for variably saturated flow in soils. *Wiley Interdisciplinary Reviews: Water*, **2019**, 6, e1364	5.7	21
32	Assimilating transient groundwater flow data via a localized ensemble Kalman filter to calibrate a heterogeneous conductivity field. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 467-478	3.5	20
31	Using data assimilation method to calibrate a heterogeneous conductivity field conditioning on transient flow test data. *Stochastic Environmental Research and Risk Assessment*, **2010**, 24, 1211-1223	3.5	20
30	Effects of Tidally Varying Salinity on Groundwater Flow and Solute Transport: Insights From Modelling an Idealized Creek Marsh Aquifer. *Water Resources Research*, **2019**, 55, 9656-9672	5.4	12
29	Data assimilation methods for estimating a heterogeneous conductivity field by assimilating transient solute transport data via ensemble Kalman filter. *Hydrological Processes*, **2013**, 27, 3873-3884	3.3	12
28	Switching the Richards‐Equation for modeling soil water movement under unfavorable conditions. *Journal of Hydrology*, **2018**, 563, 942-949	6	11
27	Uncertainty quantification of contaminant transport and risk assessment with conditional stochastic collocation method. *Stochastic Environmental Research and Risk Assessment*, **2013**, 27, 1453-1464	3.5	10
26	A multiscale probabilistic collocation method for subsurface flow in heterogeneous media. *Water Resources Research*, **2010**, 46,	5.4	10
25	Comparison of Noniterative Algorithms Based on Different Forms of Richards‐Equation. *Environmental Modeling and Assessment*, **2016**, 21, 357-370	2	7

24	Capturing soil-water and groundwater interactions with an iterative feedback coupling scheme: new HYDRUS package for MODFLOW. *Hydrology and Earth System Sciences*, **2019**, 23, 637-655	5.5	7
23	Characteristics of salt contents in soils under greenhouse conditions in China. *Environmental Science and Pollution Research*, **2019**, 26, 3882-3892	5.1	7
22	A stochastic approach to nonlinear unconfined flow subject to multiple random fields. *Stochastic Environmental Research and Risk Assessment*, **2009**, 23, 823-835	3.5	6
21	An analytical model of bubble-facilitated vapor intrusion. *Water Research*, **2019**, 165, 114992	12.5	5
20	Global sensitivity analysis for an integrated model for simulation of nitrogen dynamics under the irrigation with treated wastewater. *Environmental Science and Pollution Research*, **2015**, 22, 16664-75	5.1	5
19	Experimental study on soluble chemical transfer to surface runoff from soil. *Environmental Science and Pollution Research*, **2016**, 23, 20378-20387	5.1	5
18	Using a hybrid model to predict solute transfer from initially saturated soil into surface runoff with controlled drainage water. *Environmental Science and Pollution Research*, **2016**, 23, 12444-55	5.1	5
17	Experimental and modeling study on Cr(VI) transfer from soil into surface runoff. *Stochastic Environmental Research and Risk Assessment*, **2016**, 30, 1347-1361	3.5	4
16	Experimental, numerical and sensitive analysis of nitrogen dynamics in soils irrigated with treated sewage. *Science in China Series D: Earth Sciences*, **2009**, 52, 3279-3286		4
15	Large-Scale Modeling of Unsaturated Flow by a Stochastic Perturbation Approach. *Vadose Zone Journal*, **2016**, 15, vzj2015.07.0103	2.7	4
14	Machine-Learning Methods for Water Table Depth Prediction in Seasonal Freezing-Thawing Areas. *Ground Water*, **2020**, 58, 419-431	2.4	4
13	Application of a data assimilation method via an ensemble Kalman filter to reactive urea hydrolysis transport modeling. *Stochastic Environmental Research and Risk Assessment*, **2014**, 28, 729-741	3.5	3
12	Regional Quasi-Three-Dimensional Unsaturated-Saturated Water Flow Model Based on a Vertical-Horizontal Splitting Concept. *Water (Switzerland)*, **2016**, 8, 195	3	3
11	Numerical Simulation and Sensitivity Analysis for Nitrogen Dynamics Under Sewage Water Irrigation with Organic Carbon. *Water, Air, and Soil Pollution*, **2018**, 229, 1	2.6	3
10	Quantitative Estimation of Soil-Ground Water Storage Utilization during the Crop Growing Season in Arid Regions with Shallow Water Table Depth. *Water (Switzerland)*, **2020**, 12, 3351	3	2
9	Acceleration of soil salinity accumulation and soil degradation due to greenhouse cultivation: a survey of farmers' practices in China. *Environmental Monitoring and Assessment*, **2020**, 192, 399	3.1	2
8	Evaluating the uncertainty of Darcy velocity with sparse grid collocation method. *Science in China Series D: Earth Sciences*, **2009**, 52, 3270-3278		2
7	Study on the Exploitation Scheme of Groundwater under Well-Canal Conjunctive Irrigation in Seasonally Freezing-Thawing Agricultural Areas. *Water (Switzerland)*, **2021**, 13, 1384	3	2

6	Assessment of Deep Percolation in Citrus Orchard. *International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering*, **2010**,		1
5	A new quasi-3-D model with a dual iterative coupling scheme for simulating unsaturated-saturated water flow and solute transport at a regional scale. *Journal of Hydrology*, **2021**, 602, 126780	6	1
4	Regional soil salinity spatiotemporal dynamics and improved temporal stability analysis in arid agricultural areas. *Journal of Soils and Sediments*, **2022**, 22, 272	3.4	0
3	Development and Application of a Water and Salt Balance Model for Well-Canal Conjunctive Irrigation in Semiarid Areas with Shallow Water Tables. *Agriculture (Switzerland)*, **2022**, 12, 399	3	0
2	Application of multiscale finite element method in the uncertainty qualification of large-scale groundwater flow. *Stochastic Environmental Research and Risk Assessment*, **2012**, 26, 393-404	3.5	
1	Comparison between gradient based UCODE_2005 and the ensemble Kalman Filter for transient groundwater flow inverse modeling. *Science China Earth Sciences*, **2017**, 60, 899-909	4.6	