

Jinzhong Yang

List of Publications by Year in Descending Order

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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	Regional soil salinity spatiotemporal dynamics and improved temporal stability analysis in arid agricultural areas. <i>Journal of Soils and Sediments</i> , 2022 , 22, 272	3.4	0
40	Development and Application of a Water and Salt Balance Model for Well-Canal Conjunctive Irrigation in Semiarid Areas with Shallow Water Tables. <i>Agriculture (Switzerland)</i> , 2022 , 12, 399	3	0
39	Study on the Exploitation Scheme of Groundwater under Well-Canal Conjunctive Irrigation in Seasonally Freezing-Thawing Agricultural Areas. <i>Water (Switzerland)</i> , 2021 , 13, 1384	3	2
38	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. <i>Journal of Hydrology</i> , 2021 , 602, 126780	6	1
37	Quantitative Estimation of Soil-Ground Water Storage Utilization during the Crop Growing Season in Arid Regions with Shallow Water Table Depth. <i>Water (Switzerland)</i> , 2020 , 12, 3351	3	2
36	Acceleration of soil salinity accumulation and soil degradation due to greenhouse cultivation: a survey of farmers' practices in China. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 399	3.1	2
35	Machine-Learning Methods for Water Table Depth Prediction in Seasonal Freezing-Thawing Areas. <i>Ground Water</i> , 2020 , 58, 419-431	2.4	4
34	Effects of Tidally Varying Salinity on Groundwater Flow and Solute Transport: Insights From Modelling an Idealized Creek Marsh Aquifer. <i>Water Resources Research</i> , 2019 , 55, 9656-9672	5.4	12
33	An analytical model of bubble-facilitated vapor intrusion. <i>Water Research</i> , 2019 , 165, 114992	12.5	5
32	Review of numerical solution of RichardsonRichards equation for variably saturated flow in soils. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019 , 6, e1364	5.7	21
31	Capturing soil-water and groundwater interactions with an iterative feedback coupling scheme: new HYDRUS package for MODFLOW. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 637-655	5.5	7
30	Characteristics of salt contents in soils under greenhouse conditions in China. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 3882-3892	5.1	7
29	Numerical Simulation and Sensitivity Analysis for Nitrogen Dynamics Under Sewage Water Irrigation with Organic Carbon. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	3
28	Switching the RichardsEquation for modeling soil water movement under unfavorable conditions. <i>Journal of Hydrology</i> , 2018 , 563, 942-949	6	11
27	Transport of bacteria in porous media and its enhancement by surfactants for bioaugmentation: A review. <i>Biotechnology Advances</i> , 2017 , 35, 490-504	17.8	45
26	Comparison between gradient based UCODE_2005 and the ensemble Kalman Filter for transient groundwater flow inverse modeling. <i>Science China Earth Sciences</i> , 2017 , 60, 899-909	4.6	
25	A modified Picard iteration scheme for overcoming numerical difficulties of simulating infiltration into dry soil. <i>Journal of Hydrology</i> , 2017 , 551, 56-69	6	36

24	Comparison of Noniterative Algorithms Based on Different Forms of Richards Equation. <i>Environmental Modeling and Assessment</i> , 2016 , 21, 357-370	2	7
23	Experimental and modeling study on Cr(VI) transfer from soil into surface runoff. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 1347-1361	3.5	4
22	Regional Quasi-Three-Dimensional Unsaturated-Saturated Water Flow Model Based on a Vertical-Horizontal Splitting Concept. <i>Water (Switzerland)</i> , 2016 , 8, 195	3	3
21	Experimental study on soluble chemical transfer to surface runoff from soil. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20378-20387	5.1	5
20	Using a hybrid model to predict solute transfer from initially saturated soil into surface runoff with controlled drainage water. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 12444-55	5.1	5
19	Large-Scale Modeling of Unsaturated Flow by a Stochastic Perturbation Approach. <i>Vadose Zone Journal</i> , 2016 , 15, vjz2015.07.0103	2.7	4
18	Global sensitivity analysis for an integrated model for simulation of nitrogen dynamics under the irrigation with treated wastewater. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 16664-75	5.1	5
17	Application of a data assimilation method via an ensemble Kalman filter to reactive urea hydrolysis transport modeling. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014 , 28, 729-741	3.5	3
16	Numerical Comparison of Iterative Ensemble Kalman Filters for Unsaturated Flow Inverse Modeling. <i>Vadose Zone Journal</i> , 2014 , 13, 1-12	2.7	42
15	Uncertainty quantification of contaminant transport and risk assessment with conditional stochastic collocation method. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013 , 27, 1453-1464	3.5	10
14	A generalized Ross method for two- and three-dimensional variably saturated flow. <i>Advances in Water Resources</i> , 2013 , 54, 67-77	4.7	27
13	Data assimilation methods for estimating a heterogeneous conductivity field by assimilating transient solute transport data via ensemble Kalman filter. <i>Hydrological Processes</i> , 2013 , 27, 3873-3884	3.3	12
12	Simulating One-Dimensional Unsaturated Flow in Heterogeneous Soils with Water Content-Based Richards Equation. <i>Vadose Zone Journal</i> , 2013 , 12, vjz2012.0109	2.7	24
11	Application of multiscale finite element method in the uncertainty qualification of large-scale groundwater flow. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 393-404	3.5	
10	Assimilating transient groundwater flow data via a localized ensemble Kalman filter to calibrate a heterogeneous conductivity field. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 467-478	3.5	20
9	Assessment of Deep Percolation in Citrus Orchard. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010 ,		1
8	A multiscale probabilistic collocation method for subsurface flow in heterogeneous media. <i>Water Resources Research</i> , 2010 , 46,	5.4	10
7	Using data assimilation method to calibrate a heterogeneous conductivity field conditioning on transient flow test data. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 1211-1223	3.5	20

6	A comparative study of numerical approaches to risk assessment of contaminant transport. <i>Stochastic Environmental Research and Risk Assessment</i> , 2010 , 24, 971-984	3.5	27
5	A stochastic approach to nonlinear unconfined flow subject to multiple random fields. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 823-835	3.5	6
4	On the effectiveness of dry drainage in soil salinity control. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3328-3334		26
3	Experimental, numerical and sensitive analysis of nitrogen dynamics in soils irrigated with treated sewage. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3279-3286		4
2	Evaluating the uncertainty of Darcy velocity with sparse grid collocation method. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 3270-3278		2
1	Remote Sensing Monitoring of Changes in Soil Salinity: A Case Study in Inner Mongolia, China. <i>Sensors</i> , 2008 , 8, 7035-7049	3.8	66