

Ali Naghi Ziaei

List of Publications by Year in descending order

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31
papers

396
citations

759233

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31
docs citations

31
times ranked

415
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater conceptualization and modeling using distributed SWAT-based recharge for the semi-arid agricultural Neishaboor plain, Iran. <i>Hydrogeology Journal</i> , 2015, 23, 47-68.	2.1	58
2	Model for simulation of winter wheat yield under dryland and irrigated conditions. <i>Agricultural Water Management</i> , 2003, 58, 1-17.	5.6	38
3	Application of NN-ARX Model to Predict Groundwater Levels in the Neishaboor Plain, Iran. <i>Water Resources Management</i> , 2013, 27, 4773-4794.	3.9	34
4	A framework toward developing a groundwater conceptual model. <i>Arabian Journal of Geosciences</i> , 2014, 7, 3611-3631.	1.3	30
5	Simulation of water balance equation components using SWAT model in Samalqan Watershed (Iran). <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	23
6	Spatial and temporal dynamics of deep percolation, lag time and recharge in an irrigated semi-arid region. <i>Hydrogeology Journal</i> , 2018, 26, 2507-2520.	2.1	19
7	Simulation of irrigation return flow from a Triticale farm under sprinkler and furrow irrigation systems using experimental data: A case study in arid region. <i>Agricultural Water Management</i> , 2018, 210, 185-197.	5.6	18
8	Fractal-Markovian scaling of turbulent bursting process in open channel flow. <i>Chaos, Solitons and Fractals</i> , 2005, 25, 307-318.	5.1	15
9	Mapping groundwater recharge areas using CRD and RIB methods in the semi-arid Neishaboor Plain, Iran. <i>Arabian Journal of Geosciences</i> , 2015, 8, 2921-2935.	1.3	15
10	General Equation for Advance and Recession of Water in Border Irrigation. <i>Irrigation and Drainage</i> , 2019, 68, 476-487.	1.7	15
11	Impact of isolation valves location on resilience of water distribution systems. <i>Urban Water Journal</i> , 2020, 17, 560-567.	2.1	14
12	Invariant Solutions of Richards' Equation for Water Movement in Dissimilar Soils. <i>Soil Science Society of America Journal</i> , 2012, 76, 1-9.	2.2	13
13	Using vorticity to define conditions at multiple open boundaries for simulating flow in a simplified vortex settling basin. <i>International Journal for Numerical Methods in Fluids</i> , 2007, 54, 1-28.	1.6	11
14	Groundwater management under uncertainty using a stochastic multi-cell model. <i>Journal of Hydrology</i> , 2017, 551, 265-277.	5.4	11
15	Fractal scaling and simulation of velocity components and turbulent shear stress in open channel flow. <i>Chaos, Solitons and Fractals</i> , 2005, 24, 1031-1045.	5.1	10
16	Optimization of Quadrilateral Infiltration Trench Using Numerical Modeling and Taguchi Approach. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, .	1.9	10
17	Optimal design of water distribution networks using simple modified particle swarm optimization approach. , 0, 104, 99-110.		10
18	New Model for Simulating Hydraulic Performance of an Infiltration Trench with Finite-Volume One-Dimensional Richards's™ Equation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2017, 143, .	1.0	8

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19	Three-Dimensional Numerical Modeling of Submerged Zone of Qanat Hydraulics in Unsteady Conditions. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	1.9	7
20	A 2D curvilinear coupled surface–subsurface flow model for simulation of basin/border irrigation: theory, validation and application. <i>Irrigation Science</i> , 2019, 37, 151-168.	2.8	7
21	New stage-discharge relationship for cylindrical and semi-cylindrical edged sluice gates. <i>Flow Measurement and Instrumentation</i> , 2019, 70, 101639.	2.0	6
22	Numerical analysis and optimization of triggered furrow irrigation system. <i>Irrigation Science</i> , 2020, 38, 287-306.	2.8	5
23	A scenario-based coupled SWAT-MODFLOW decision support system for advanced water resource management. <i>Journal of Hydroinformatics</i> , 2022, 24, 56-77.	2.4	5
24	Flow field investigation in a vortex settling basin using Acoustic Doppler Velocimetry and large eddy simulation. <i>Water and Environment Journal</i> , 2021, 35, 865-883.	2.2	4
25	Closure to “Extraction of the Flow Rate Equation under Free and Submerged Flow Conditions in Pivot Weirs with Different Side Contractions” by N. Sheikh Rezazadeh Nikou, M. J. Monem, and K. Safavi. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	1.0	2
26	Numerical analysis of sensor-based flood-floor ebb-and-flow subirrigation system with saline water. <i>Archives of Agronomy and Soil Science</i> , 2021, 67, 1285-1299.	2.6	2
27	New approach to computing mean velocity and discharge. <i>Hydrological Sciences Journal</i> , 2021, 66, 347-353.	2.6	2
28	Regional groundwater qualitative and quantitative management through hydrogeological modeling in Jangal-Geysour, Razavi Khorasan Province, Iran. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	2
29	Numerical Modeling of Flow Field in Three Types of Vortex Settling Basins. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, 04021056.	1.0	1
30	Study of Effective Parameters on Performance of Vortex Settling Basins Using Taguchi Method. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2022, 148, .	1.0	1
31	A robust algorithm for computing fluid flows on highly non-smooth staggered grids. <i>International Journal for Numerical Methods in Fluids</i> , 2009, 59, 1011-1033.	1.6	0