

Arthur Robert Schmidt

List of Publications by Year in descending order

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23
papers

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24
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	Cost/benefit assessment of green infrastructure: Spatial scale effects on uncertainty and sensitivity. <i>Journal of Environmental Management</i> , 2022, 302, 114009.	3.8	9
2	Development and Application of Regression Models for Predicting the Water Quality Performance of Permeable Pavement. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	3
3	Ecological Optimal Operation of Hydropower Stations to Maximize Total Phosphorus Export. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	5
4	Effective Green-Ampt Parameters for Two-Layered Soils. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, .	0.8	8
5	Laboratory analysis on the surface runoff pollution reduction performance of permeable pavements. <i>Science of the Total Environment</i> , 2019, 691, 1-8.	3.9	33
6	Extreme Precipitation Spatial Analog: In Search of an Alternative Approach for Future Extreme Precipitation in Urban Hydrological Studies. <i>Water (Switzerland)</i> , 2019, 11, 1032.	1.2	5
7	Brown Dog. , 2018, , .		4
8	Evaluation of Life Cycle Assessment (LCA) for Roadway Drainage Systems. <i>Environmental Science & Technology</i> , 2017, 51, 9261-9270.	4.6	25
9	Implication of the flow resistance formulae on the prediction of flood wave propagation. <i>Hydrological Sciences Journal</i> , 2016, 61, 683-695.	1.2	2
10	Hydrologic Response of Sustainable Urban Drainage to Different Climate Scenarios. , 2015, , .		1
11	Evaluation of drainage networks under moving storms utilizing the equivalent stationary storms. <i>Natural Hazards</i> , 2014, 70, 803-819.	1.6	5
12	Multifractal properties of the peak flow distribution on stochastic drainage networks. <i>Stochastic Environmental Research and Risk Assessment</i> , 2014, 28, 1157-1165.	1.9	7
13	Application of Gibbs's™ model to urban drainage networks: a case study in southwestern Chicago, USA. <i>Hydrological Processes</i> , 2014, 28, 1148-1158.	1.1	15
14	Probabilistic Hydrologic Model to Simulate Response of Urban Drainage System to Implementation of Low Impact Development Stormwater Practices. , 2013, , .		2
15	Network configuration and hydrograph sensitivity to storm kinematics. <i>Water Resources Research</i> , 2013, 49, 1812-1827.	1.7	20
16	Effect of storm movement on flood peaks: Analysis framework based on characteristic timescales. <i>Water Resources Research</i> , 2012, 48, .	1.7	35
17	The effect of rainstorm movement on urban drainage network runoff hydrographs. <i>Hydrological Processes</i> , 2012, 26, 3830-3841.	1.1	29
18	Improved understanding and prediction of the hydrologic response of highly urbanized catchments through development of the Illinois Urban Hydrologic Model. <i>Water Resources Research</i> , 2011, 47, .	1.7	45

#	ARTICLE	IF	CITATIONS
19	Dispersion mechanisms and the effect of parameter uncertainty on hydrologic response in urban catchments. <i>Water Resources Research</i> , 2011, 47, .	1.7	8
20	A robust two-equation model for transient-mixed flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2010, 48, 44-56.	0.7	69
21	Application of Godunov-type schemes to transient mixed flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009, 47, 147-156.	0.7	57
22	Efficient Second-Order Accurate Shock-Capturing Scheme for Modeling One- and Two-Phase Water Hammer Flows. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 970-983.	0.7	42
23	Godunov-Type Solutions for Transient Flows in Sewers. <i>Journal of Hydraulic Engineering</i> , 2006, 132, 800-813.	0.7	55