

Arthur Robert Schmidt

List of Publications by Year in descending order

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papers

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citations

840119

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docs citations

24
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust two-equation model for transient-mixed flows. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 44-56.	0.7	69
2	Application of Godunov-type schemes to transient mixed flows. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 147-156.	0.7	57
3	Godunov-Type Solutions for Transient Flows in Sewers. Journal of Hydraulic Engineering, 2006, 132, 800-813.	0.7	55
4	Improved understanding and prediction of the hydrologic response of highly urbanized catchments through development of the Illinois Urban Hydrologic Model. Water Resources Research, 2011, 47, .	1.7	45
5	Efficient Second-Order Accurate Shock-Capturing Scheme for Modeling One- and Two-Phase Water Hammer Flows. Journal of Hydraulic Engineering, 2008, 134, 970-983.	0.7	42
6	Effect of storm movement on flood peaks: Analysis framework based on characteristic timescales. Water Resources Research, 2012, 48, .	1.7	35
7	Laboratory analysis on the surface runoff pollution reduction performance of permeable pavements. Science of the Total Environment, 2019, 691, 1-8.	3.9	33
8	The effect of rainstorm movement on urban drainage network runoff hydrographs. Hydrological Processes, 2012, 26, 3830-3841.	1.1	29
9	Evaluation of Life Cycle Assessment (LCA) for Roadway Drainage Systems. Environmental Science & Technology, 2017, 51, 9261-9270.	4.6	25
10	Network configuration and hydrograph sensitivity to storm kinematics. Water Resources Research, 2013, 49, 1812-1827.	1.7	20
11	Application of Gibbs's™ model to urban drainage networks: a case study in southwestern Chicago, USA. Hydrological Processes, 2014, 28, 1148-1158.	1.1	15
12	Cost/benefit assessment of green infrastructure: Spatial scale effects on uncertainty and sensitivity. Journal of Environmental Management, 2022, 302, 114009.	3.8	9
13	Dispersion mechanisms and the effect of parameter uncertainty on hydrologic response in urban catchments. Water Resources Research, 2011, 47, .	1.7	8
14	Effective Green-Ampt Parameters for Two-Layered Soils. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	8
15	Multifractal properties of the peak flow distribution on stochastic drainage networks. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1157-1165.	1.9	7
16	Evaluation of drainage networks under moving storms utilizing the equivalent stationary storms. Natural Hazards, 2014, 70, 803-819.	1.6	5
17	Extreme Precipitation Spatial Analog: In Search of an Alternative Approach for Future Extreme Precipitation in Urban Hydrological Studies. Water (Switzerland), 2019, 11, 1032.	1.2	5
18	Ecological Optimal Operation of Hydropower Stations to Maximize Total Phosphorus Export. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	5

#	ARTICLE	IF	CITATIONS
19	Brown Dog. , 2018, , .		4
20	Development and Application of Regression Models for Predicting the Water Quality Performance of Permeable Pavement. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	3
21	Probabilistic Hydrologic Model to Simulate Response of Urban Drainage System to Implementation of Low Impact Development Stormwater Practices. , 2013, , .		2
22	Implication of the flow resistance formulae on the prediction of flood wave propagation. Hydrological Sciences Journal, 2016, 61, 683-695.	1.2	2
23	Hydrologic Response of Sustainable Urban Drainage to Different Climate Scenarios. , 2015, , .		1