

David J Sample

List of Publications by Year in descending order

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47
papers

1,617
citations

304368

22
h-index

301761

39
g-index

49
all docs

49
docs citations

49
times ranked

1511
citing authors

#	ARTICLE	IF	CITATIONS
1	Review and Research Needs of Bioretention Used for the Treatment of Urban Stormwater. <i>Water (Switzerland)</i> , 2014, 6, 1069-1099.	1.2	186
2	Optimizing rainwater harvesting systems for the dual purposes of water supply and runoff capture. <i>Journal of Cleaner Production</i> , 2014, 75, 174-194.	4.6	118
3	Reducing combined sewer overflows by using outlet controls for Green Stormwater Infrastructure: Case study in Richmond, Virginia. <i>Journal of Hydrology</i> , 2015, 520, 473-488.	2.3	108
4	Assessment of the nutrient removal effectiveness of floating treatment wetlands applied to urban retention ponds. <i>Journal of Environmental Management</i> , 2014, 137, 23-35.	3.8	95
5	Evaluation of commercial floating treatment wetland technologies for nutrient remediation of stormwater. <i>Ecological Engineering</i> , 2015, 75, 61-69.	1.6	95
6	Costs of Best Management Practices and Associated Land for Urban Stormwater Control. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2003, 129, 59-68.	1.3	76
7	An evaluation of HSPF and SWMM for simulating streamflow regimes in an urban watershed. <i>Environmental Modelling and Software</i> , 2019, 118, 211-225.	1.9	75
8	Geographic Information Systems, Decision Support Systems, and Urban Storm-Water Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2001, 127, 155-161.	1.3	67
9	Vegetation effects on floating treatment wetland nutrient removal and harvesting strategies in urban stormwater ponds. <i>Science of the Total Environment</i> , 2014, 499, 384-393.	3.9	66
10	Assessing the Effects of Climate Change on Water Quantity and Quality in an Urban Watershed Using a Calibrated Stormwater Model. <i>Water (Switzerland)</i> , 2017, 9, 464.	1.2	59
11	Assessing climate change impacts on the reliability of rainwater harvesting systems. <i>Resources, Conservation and Recycling</i> , 2018, 132, 178-189.	5.3	43
12	Floating treatment wetland aided nutrient removal from agricultural runoff using two wetland species. <i>Ecological Engineering</i> , 2019, 127, 468-479.	1.6	42
13	A multiobjective simulation-optimization tool for assisting in urban watershed restoration planning. <i>Journal of Cleaner Production</i> , 2019, 213, 251-261.	4.6	40
14	Evaluating the joint effects of climate and land use change on runoff and pollutant loading in a rapidly developing watershed. <i>Journal of Cleaner Production</i> , 2022, 330, 129953.	4.6	38
15	Assessing performance of manufactured treatment devices for the removal of phosphorus from urban stormwater. <i>Journal of Environmental Management</i> , 2012, 113, 279-291.	3.8	37
16	Assessing floating treatment wetlands nutrient removal performance through a first order kinetics model and statistical inference. <i>Ecological Engineering</i> , 2013, 61, 292-302.	1.6	36
17	Assessment of Selected Bioretention Blends for Nutrient Retention Using Mesocosm Experiments. <i>Journal of Environmental Quality</i> , 2014, 43, 1754-1763.	1.0	36
18	Assessing nitrogen and phosphorus removal potential of five plant species in floating treatment wetlands receiving simulated nursery runoff. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5751-5768.	2.7	34

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19	Simulation of watershed-scale practices for mitigating stream thermal pollution due to urbanization. <i>Science of the Total Environment</i> , 2019, 671, 215-231.	3.9	31
20	The effects of land use characteristics on urban stormwater quality and watershed pollutant loads. <i>Science of the Total Environment</i> , 2021, 773, 145358.	3.9	30
21	Integrated Management of Irrigation and Urban Storm-Water Infiltration. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2006, 132, 362-373.	1.3	25
22	Thermal evaluation of urbanization using a hybrid approach. <i>Journal of Environmental Management</i> , 2018, 226, 457-475.	3.8	24
23	Evaluating the performance of a retrofitted stormwater wet pond for treatment of urban runoff. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 256.	1.3	22
24	A semi-distributed model for locating stormwater best management practices in coastal environments. <i>Environmental Modelling and Software</i> , 2017, 91, 70-86.	1.9	20
25	Evaluating the Impact of Climate Change on Water Quality and Quantity in an Urban Watershed Using an Ensemble Approach. <i>Estuaries and Coasts</i> , 2020, 43, 56-72.	1.0	20
26	Research Needs in Urban Wet Weather Flows. <i>Water Environment Research</i> , 1999, 71, 241-250.	1.3	19
27	Evaluating the Dual Benefits of Rainwater Harvesting Systems Using Reliability Analysis. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1310-1321.	0.8	17
28	Effect of intermittent aeration mode on nitrogen concentration in the water column and sediment pore water of aquaculture ponds. <i>Journal of Environmental Sciences</i> , 2020, 90, 331-342.	3.2	17
29	Efficacy of a retention pond in treating stormwater nutrients and sediment. <i>Journal of Cleaner Production</i> , 2021, 290, 125787.	4.6	17
30	RESIDENTIAL STORMWATER: METHODS FOR DECREASING RUNOFF AND INCREASING STORMWATER INFILTRATION. <i>Journal of Green Building</i> , 2012, 7, 15-30.	0.4	17
31	Water quality characterization of storm and irrigation runoff from a container nursery. <i>Science of the Total Environment</i> , 2019, 667, 166-178.	3.9	16
32	Combining Hydrologic Analysis and Life Cycle Assessment Approaches to Evaluate Sustainability of Water Infrastructure. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2018, 144, .	0.6	13
33	Response of non-point source pollution to landscape pattern: case study in mountain-rural region, China. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16602-16615.	2.7	12
34	Using Random Forest, a machine learning approach to predict nitrogen, phosphorus, and sediment event mean concentrations in urban runoff. <i>Journal of Environmental Management</i> , 2022, 317, 115412.	3.8	11
35	The effect of temperature on sulfate release from Pearl River sediments in South China. <i>Science of the Total Environment</i> , 2019, 688, 1112-1123.	3.9	9
36	Systems Analysis of Coupled Natural and Human Processes in the Mekong River Basin. <i>Hydrology</i> , 2021, 8, 140.	1.3	8

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37	Urban Wet-Weather Flows. <i>Water Environment Research</i> , 2012, 84, 861-970.	1.3	6
38	Optimum ridge width and suitable mulching material for sainfoin production with ridge-furrow rainwater harvesting in semiarid regions of China. <i>Arid Land Research and Management</i> , 2019, 33, 274-296.	0.6	6
39	Data on floating treatment wetland aided nutrient removal from agricultural runoff using two wetland species. <i>Data in Brief</i> , 2019, 22, 756-761.	0.5	6
40	What are the relevant sources and factors affecting event mean concentrations (EMCs) of nutrients and sediment in stormwater?. <i>Science of the Total Environment</i> , 2022, 828, 154368.	3.9	6
41	Frequency Analysis for Precipitation Events and Dry Durations of Virginia. <i>Environmental Modeling and Assessment</i> , 2014, 19, 167-178.	1.2	5
42	Validation of Nursery and Greenhouse Best Management Practices through Scientific Evidence. <i>HortTechnology</i> , 2019, 29, 700-715.	0.5	3
43	Water supply and runoff capture reliability curves for hypothetical rainwater harvesting systems for locations across the U.S. for historical and projected climate conditions. <i>Data in Brief</i> , 2018, 18, 441-447.	0.5	2
44	Comparing Yield, Quality, Water Use Efficiency, and Value between Fodder and Grain Produced Using Ridge-Furrow Rainwater Harvesting in a Semiarid Region. <i>Crop Science</i> , 2019, 59, 2214-2226.	0.8	2
45	Urban Wet-Weather Flows. <i>Water Environment Research</i> , 2014, 86, 910-991.	1.3	1
46	Water Quality Characterization of Irrigation and Storm Runoff for a Nursery. <i>Green Energy and Technology</i> , 2019, , 788-793.	0.4	1
47	Northwest Georgia Water Partnership A Regional Approach to Water Quality Management and TMDL Implementation. <i>Proceedings of the Water Environment Federation</i> , 2007, 2007, 745-755.	0.0	0