Sean A Woznicki

List of Publications by Year
in descending order

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41 papers	2,277 citations	279701 23 h-index	289141 40 g-index
41 all docs	41 docs citations	41 times ranked	2864 citing authors

#	Article	IF	Citations
1	Lessons learned from 20 y of monitoring suburban development with distributed stormwater management in Clarksburg, Maryland, USA. Freshwater Science, 2022, 41, 459-476.	0.9	15
2	Quantifying the potential impacts of climate change on irrigation demand, crop yields, and green water scarcity in the New Jersey Coastal Plain. Science of the Total Environment, 2022, 838, 156538.	3.9	7
3	A coupled hydrodynamic (<scp>HECâ€RAS 2D</scp>) and water quality model (<scp>WASP</scp>) for simulating <scp>floodâ€induced</scp> soil, sediment, and contaminant transport. Journal of Flood Risk Management, 2021, 14, 1-17.	1.6	23
4	Changes in eventâ€based streamflow magnitude and timing after suburban development with infiltrationâ€based stormwater management. Hydrological Processes, 2020, 34, 387-403.	1.1	42
5	Sediment retention by natural landscapes in the conterminous United States. Science of the Total Environment, 2020, 745, 140972.	3.9	27
6	Multi-site watershed model calibration for evaluating best management practice effectiveness in reducing fecal pollution. Human and Ecological Risk Assessment (HERA), 2020, 26, 2690-2715.	1.7	3
7	Development of a spatially complete floodplain map of the conterminous United States using random forest. Science of the Total Environment, 2019, 647, 942-953.	3.9	99
8	Effectiveness of landscapeâ€based green infrastructure for stormwater management in suburban catchments. Hydrological Processes, 2018, 32, 2346-2361.	1.1	33
9	Applications of computational fluid dynamics in fish and habitat studies. Ecohydrology and Hydrobiology, 2017, 17, 53-62.	1.0	8
10	Climate change and livestock: Impacts, adaptation, and mitigation. Climate Risk Management, 2017, 16, 145-163.	1.5	775
11	Reducing current and future risks: Using climate change scenarios to test an agricultural conservation framework. Journal of Great Lakes Research, 2017, 43, 59-68.	0.8	12
12	Bayesian Regression and Neuro-Fuzzy Methods Reliability Assessment for Estimating Streamflow. Water (Switzerland), 2016, 8, 287.	1.2	12
13	How much conservation is enough? Defining implementation goals for healthy fish communities in agricultural rivers. Journal of Great Lakes Research, 2016, 42, 1302-1321.	0.8	28
14	Regulatorsâ€™ and stakeholdersâ€™ perspectives in a framework for bioenergy development. Land Use Policy, 2016, 59, 143-153.	2.5	14
15	Large-scale climate change vulnerability assessment of stream health. Ecological Indicators, 2016, 69, 578-594.	2.6	43
16	Optimization of bioenergy crop selection and placement based on a stream health indicator using an evolutionary algorithm. Journal of Environmental Management, 2016, 181, 413-424.	3.8	13
17	Two-phase approach to improve stream health modeling. Ecological Informatics, 2016, 34, 13-21.	2.3	10
18	Ecohydrological modeling for large-scale environmental impact assessment. Science of the Total Environment, 2016, 543, 274-286.	3.9	26

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19	Climate change and eastern Africa: a review of impact on major crops. Food and Energy Security, 2015, 4, 110-132.	2.0	360
20	Ecohydrological model parameter selection for stream health evaluation. Science of the Total Environment, 2015, 511, 341-353.	3.9	29
21	Assessing the significance of wetland restoration scenarios on sediment mitigation plan. Ecological Engineering, 2015, 77, 103-113.	1.6	18
22	Climate change and irrigation demand: Uncertainty and adaptation. Journal of Hydrology: Regional Studies, 2015, 3, 247-264.	1.0	65
23	Integrating statistical and hydrological models to identify implementation sites for agricultural conservation practices. Environmental Modelling and Software, 2015, 72, 327-340.	1.9	16
24	Optimization of conservation practice implementation strategies in the context of stream health. Ecological Engineering, 2015, 84, 1-12.	1.6	27
25	Cost-Effective Targeting for Reducing Soil Erosion in a Large Agricultural Watershed. Journal of Agricultural & Applied Economics, 2014, 46, 509-526.	0.8	4
26	Assessing uncertainty in best management practice effectiveness under future climate scenarios. Hydrological Processes, 2014, 28, 2550-2566.	1.1	28
27	Analysis of best management practice effectiveness and spatiotemporal variability based on different targeting strategies. Hydrological Processes, 2014, 28, 431-445.	1.1	54
28	Modeling the hydrological significance of wetland restoration scenarios. Journal of Environmental Management, 2014, 133, 121-134.	3.8	61
29	Development of a socio-ecological environmental justice model for watershed-based management. Journal of Hydrology, 2014, 518, 162-177.	2.3	29
30	Linking Biological Integrity and Watershed Models to Assess the Impacts of Historical Land Use and Climate Changes on Stream Health. Environmental Management, 2013, 51, 1147-1163.	1.2	34
31	Spatial and Temporal Variabilities of Sediment Delivery Ratio. Water Resources Management, 2013, 27, 2483-2499.	1.9	25
32	Evaluating the impact of field-scale management strategies on sediment transport to the watershed outlet. Journal of Environmental Management, 2013, 128, 735-748.	3.8	16
33	Simulating stream health sensitivity to landscape changes due to bioenergy crops expansion. Biomass and Bioenergy, 2013, 58, 198-209.	2.9	21
34	Evaluating the capabilities of watershed-scale models in estimating sediment yield at field-scale. Journal of Environmental Management, 2013, 127, 228-236.	3.8	24
35	Cropland management versus dredging: An economic analysis of reservoir sediment management. Lake and Reservoir Management, 2013, 29, 151-164.	0.4	15
36	Modeling the effects of conservation practices on stream health. Science of the Total Environment, 2012, 435-436, 380-391.	3.9	45

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37	Sensitivity Analysis of Best Management Practices Under Climate Change Scenarios¹. Journal of the American Water Resources Association, 2012, 48, 90-112.	1.0	40
38	Evaluation of targeting methods for implementation of best management practices in the Saginaw River Watershed. Journal of Environmental Management, 2012, 103, 24-40.	3.8	108
39	Comparison of Four Models (STEPL, PLOAD, L-THIA, and SWAT) in Simulating Sediment, Nitrogen, and Phosphorus Loads and Pollutant Source Areas. Transactions of the ASABE, 2011, 54, 875-890.	1.1	23
40	Assessing Best Management Practice Implementation Strategies under Climate Change Scenarios. Transactions of the ASABE, 2011, 54, 171-190.	1.1	45
41	Assessing the Impacts of Climate Change on Best Management Practices (BMPs) Implementation Strategies. , 2010, , .		0