Meghna Babbar-Sebens

List of Publications by Year in Descending Order

18 papers	268 citations	9 h-index	16 g-index
24 ext. papers	338 ext. citations	4.1 avg, IF	3.46 L-index

#	Paper	IF	Citations
18	Perceived risk and preferences of response and recovery actions of individuals living in a floodplain community. *International Journal of Disaster Risk Reduction*, **2022**, 67, 102645	4.5	2
17	A feasibility study of uninhabited aircraft systems for rapid and cost-effective plant stress monitoring at green stormwater infrastructure facilities. *Journal of Hydroinformatics*, **2021**, 23, 417-437	2.6	1
16	Exploration and Visualization of Patterns Underlying Multistakeholder Preferences in Watershed Conservation Decisions Generated by an Interactive Genetic Algorithm. *Water Resources Research*, **2021**, 57, e2020WR028013	5.4	1
15	InterACTWEL Science Gateway for Adaptation Planning in Food-Energy-Water Sectors of Local Communities **2019**,		1
14	Merging Real-Time Channel Sensor Networks with Continental-Scale Hydrologic Models: A Data Assimilation Approach for Improving Accuracy in Flood Depth Predictions. *Hydrology*, **2018**, 5, 9	2.8	9
13	Modeling Landscape Change Effects on Stream Temperature Using the Soil and Water Assessment Tool. *Water (Switzerland)*, **2018**, 10, 1143	3	4
12	Usability evaluation of an interactive decision support system for user-guided design of scenarios of watershed conservation practices. *Journal of Hydroinformatics*, **2017**, 19, 701-718	2.6	3
11	Interactive genetic algorithm for user-centered design of distributed conservation practices in a watershed: An examination of user preferences in objective space and user behavior. *Water Resources Research*, **2017**, 53, 4303-4326	5.4	7
10	Using climate change scenarios to evaluate future effectiveness of potential wetlands in mitigating high flows in a Midwestern U.S. watershed. *Ecological Engineering*, **2016**, 89, 80-102	3.9	17
9	Fuzzy and deep learning approaches for user modeling in wetland design **2016**,		1
8	A web-based software tool for participatory optimization of conservation practices in watersheds. *Environmental Modelling and Software*, **2015**, 69, 111-127	5.2	27
7	Use of fuzzy logic models for prediction of taste and odor compounds in algal bloom-affected inland water bodies. *Environmental Monitoring and Assessment*, **2014**, 186, 1525-45	3.1	13
6	On comparison of peak flow reductions, flood inundation maps, and velocity maps in evaluating effects of restored wetlands on channel flooding. *Ecological Engineering*, **2014**, 73, 132-145	3.9	30
5	Optimizing conservation practices in watersheds: Do community preferences matter?. *Water Resources Research*, **2013**, 49, 6425-6449	5.4	16
4	Spatial identification and optimization of upland wetlands in agricultural watersheds. *Ecological Engineering*, **2013**, 52, 130-142	3.9	51
3	Interactive Genetic Algorithm with Mixed Initiative Interaction for multi-criteria ground water monitoring design. *Applied Soft Computing Journal*, **2012**, 12, 182-195	7.5	49
2	A Case-Based Micro Interactive Genetic Algorithm (CBMIGA) for interactive learning and search: Methodology and application to groundwater monitoring design. *Environmental Modelling and Software*, **2010**, 25, 1176-1187	5.2	25

1	Standard Interactive Genetic Algorithm□Comprehensive Optimization Framework for Groundwater Monitoring Design. *Journal of Water Resources Planning and Management - ASCE*, **2008**, 134, 538-547	2.8	11