

# Meghna Babbar-Sebens

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Spatial identification and optimization of upland wetlands in agricultural watersheds. <i>Ecological Engineering</i> , <b>2013</b> , 52, 130-142	3.9	51
17	Interactive Genetic Algorithm with Mixed Initiative Interaction for multi-criteria ground water monitoring design. <i>Applied Soft Computing Journal</i> , <b>2012</b> , 12, 182-195	7.5	49
16	On comparison of peak flow reductions, flood inundation maps, and velocity maps in evaluating effects of restored wetlands on channel flooding. <i>Ecological Engineering</i> , <b>2014</b> , 73, 132-145	3.9	30
15	A web-based software tool for participatory optimization of conservation practices in watersheds. <i>Environmental Modelling and Software</i> , <b>2015</b> , 69, 111-127	5.2	27
14	A Case-Based Micro Interactive Genetic Algorithm (CBMIGA) for interactive learning and search: Methodology and application to groundwater monitoring design. <i>Environmental Modelling and Software</i> , <b>2010</b> , 25, 1176-1187	5.2	25
13	Using climate change scenarios to evaluate future effectiveness of potential wetlands in mitigating high flows in a Midwestern U.S. watershed. <i>Ecological Engineering</i> , <b>2016</b> , 89, 80-102	3.9	17
12	Optimizing conservation practices in watersheds: Do community preferences matter?. <i>Water Resources Research</i> , <b>2013</b> , 49, 6425-6449	5.4	16
11	Use of fuzzy logic models for prediction of taste and odor compounds in algal bloom-affected inland water bodies. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 1525-45	3.1	13
10	Standard Interactive Genetic Algorithm Comprehensive Optimization Framework for Groundwater Monitoring Design. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2008</b> , 134, 538-547	2.8	11
9	Merging Real-Time Channel Sensor Networks with Continental-Scale Hydrologic Models: A Data Assimilation Approach for Improving Accuracy in Flood Depth Predictions. <i>Hydrology</i> , <b>2018</b> , 5, 9	2.8	9
8	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. <i>Water Resources Research</i> , <b>2017</b> , 53, 4303-4326	5.4	7
7	Modeling Landscape Change Effects on Stream Temperature Using the Soil and Water Assessment Tool. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1143	3	4
6	Usability evaluation of an interactive decision support system for user-guided design of scenarios of watershed conservation practices. <i>Journal of Hydroinformatics</i> , <b>2017</b> , 19, 701-718	2.6	3
5	Perceived risk and preferences of response and recovery actions of individuals living in a floodplain community. <i>International Journal of Disaster Risk Reduction</i> , <b>2022</b> , 67, 102645	4.5	2
4	InterACTWEL Science Gateway for Adaptation Planning in Food-Energy-Water Sectors of Local Communities <b>2019</b> ,		1
3	A feasibility study of uninhabited aircraft systems for rapid and cost-effective plant stress monitoring at green stormwater infrastructure facilities. <i>Journal of Hydroinformatics</i> , <b>2021</b> , 23, 417-437	2.6	1
2	Exploration and Visualization of Patterns Underlying Multistakeholder Preferences in Watershed Conservation Decisions Generated by an Interactive Genetic Algorithm. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR028013	5.4	1

1 Fuzzy and deep learning approaches for user modeling in wetland design **2016**,

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