

# Aitazaz Ahsan Farooque

## List of Publications by Year in descending order

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21  
papers

409  
citations

759233

12  
h-index

794594

19  
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21  
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docs citations

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times ranked

304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Forecasting daily evapotranspiration using artificial neural networks for sustainable irrigation scheduling. <i>Irrigation Science</i> , 2022, 40, 55-69.	2.8	13
2	Maximization of Water Productivity and Yield of Two Iceberg Lettuce Cultivars in Hydroponic Farming System Using Magnetically Treated Saline Water. <i>Agriculture (Switzerland)</i> , 2022, 12, 101.	3.1	4
3	Deep learning versus gradient boosting machine for pan evaporation prediction. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022, 16, 570-587.	3.1	17
4	Prospective Climates, and Water Availabilities under Different Projections of Environmental Changes in Prince Edward Island, Canada. <i>Water (Switzerland)</i> , 2022, 14, 740.	2.7	4
5	Coupled online sequential extreme learning machine model with ant colony optimization algorithm for wheat yield prediction. <i>Scientific Reports</i> , 2022, 12, 5488.	3.3	13
6	Discharge coefficient prediction of canal radial gate using neurocomputing models: an investigation of free and submerged flow scenarios. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022, 16, 1-19.	3.1	27
7	Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods. <i>Sustainability</i> , 2022, 14, 6620.	3.2	5
8	Integration of Multiple Models with Hybrid Artificial Neural Network-Genetic Algorithm for Soil Cation-Exchange Capacity Prediction. <i>Complexity</i> , 2022, 2022, 1-15.	1.6	1
9	Biochar: a sustainable solution for solid waste management in agro-processing industries. <i>Biofuels</i> , 2021, 12, 237-245.	2.4	14
10	Estimation of natural streams longitudinal dispersion coefficient using hybrid evolutionary machine learning model. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021, 15, 1298-1320.	3.1	15
11	Transforming a Valuable Bioresource to Biochar, Its Environmental Importance, and Potential Applications in Boosting Circular Bioeconomy While Promoting Sustainable Agriculture. <i>Sustainability</i> , 2021, 13, 2599.	3.2	12
12	An Overview of Climate Change Induced Hydrological Variations in Canada for Irrigation Strategies. <i>Sustainability</i> , 2021, 13, 4833.	3.2	6
13	Spatial Distribution and Sustainability Implications of the Canadian Groundwater Resources under Changing Climate. <i>Sustainability</i> , 2021, 13, 9778.	3.2	8
14	Total Dissolved Salt Prediction Using Neurocomputing Models: Case Study of Gypsum Soil Within Iraq Region. <i>IEEE Access</i> , 2021, 9, 53617-53635.	4.2	10
15	Proposition of New Ensemble Data-Intelligence Models for Surface Water Quality Prediction. <i>IEEE Access</i> , 2021, 9, 108527-108541.	4.2	48
16	Variational mode decomposition based random forest model for solar radiation forecasting: New emerging machine learning technology. <i>Energy Reports</i> , 2021, 7, 6700-6717.	5.1	34
17	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021, 15, 1585-1612.	3.1	21
18	Projection of Agricultural Water Stress for Climate Change Scenarios: A Regional Case Study of Iraq. <i>Agriculture (Switzerland)</i> , 2021, 11, 1288.	3.1	29

#	ARTICLE	IF	CITATIONS
19	A review of soil carbon dynamics resulting from agricultural practices. Journal of Environmental Management, 2020, 268, 110319.	7.8	87
20	Machine vision smart sprayer for spot-application of agrochemical in wild blueberry fields. Precision Agriculture, 2018, 19, 770-788.	6.0	35
21	Sensing and control system for spot-application of granular fertilizer in wild blueberry field. Precision Agriculture, 2017, 18, 210-223.	6.0	6