Aitazaz Ahsan Farooque

List of Publications by Year
in descending order

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		759233	794594
21	409	12	19
papers	citations	h-index	g-index

21	21	21	304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review of soil carbon dynamics resulting from agricultural practices. Journal of Environmental Management, 2020, 268, 110319.	7.8	87
2	Proposition of New Ensemble Data-Intelligence Models for Surface Water Quality Prediction. IEEE Access, 2021, 9, 108527-108541.	4.2	48
3	Machine vision smart sprayer for spot-application of agrochemical in wild blueberry fields. Precision Agriculture, 2018, 19, 770-788.	6.0	35
4	Variational mode decomposition based random forest model for solar radiation forecasting: New emerging machine learning technology. Energy Reports, 2021, 7, 6700-6717.	5.1	34
5	Projection of Agricultural Water Stress for Climate Change Scenarios: A Regional Case Study of Iraq. Agriculture (Switzerland), 2021, 11, 1288.	3.1	29
6	Discharge coefficient prediction of canal radial gate using neurocomputing models: an investigation of free and submerged flow scenarios. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 1-19.	3.1	27
7	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1585-1612.	3.1	21
8	Deep learning versus gradient boosting machine for pan evaporation prediction. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 570-587.	3.1	17
9	Estimation of natural streams longitudinal dispersion coefficient using hybrid evolutionary machine learning model. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1298-1320.	3.1	15
10	Biochar: a sustainable solution for solid waste management in agro-processing industries. Biofuels, 2021, 12, 237-245.	2.4	14
11	Forecasting daily evapotranspiration using artificial neural networks for sustainable irrigation scheduling. Irrigation Science, 2022, 40, 55-69.	2.8	13
12	Coupled online sequential extreme learning machine model with ant colony optimization algorithm for wheat yield prediction. Scientific Reports, 2022, 12, 5488.	3.3	13
13	Transforming a Valuable Bioresource to Biochar, Its Environmental Importance, and Potential Applications in Boosting Circular Bioeconomy While Promoting Sustainable Agriculture. Sustainability, 2021, 13, 2599.	3.2	12
14	Total Dissolved Salt Prediction Using Neurocomputing Models: Case Study of Gypsum Soil Within Iraq Region. IEEE Access, 2021, 9, 53617-53635.	4.2	10
15	Spatial Distribution and Sustainability Implications of the Canadian Groundwater Resources under Changing Climate. Sustainability, 2021, 13, 9778.	3.2	8
16	Sensing and control system for spot-application of granular fertilizer in wild blueberry field. Precision Agriculture, 2017, 18, 210-223.	6.0	6
17	An Overview of Climate Change Induced Hydrological Variations in Canada for Irrigation Strategies. Sustainability, 2021, 13, 4833.	3.2	6
18	Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods. Sustainability, 2022, 14, 6620.	3.2	5

#	Article	IF	Citations
19	Maximization of Water Productivity and Yield of Two Iceberg Lettuce Cultivars in Hydroponic Farming System Using Magnetically Treated Saline Water. Agriculture (Switzerland), 2022, 12, 101.	3.1	4
20	Prospective Climates, and Water Availabilities under Different Projections of Environmental Changes in Prince Edward Island, Canada. Water (Switzerland), 2022, 14, 740.	2.7	4
21	Integration of Multiple Models with Hybrid Artificial Neural Network-Genetic Algorithm for Soil Cation-Exchange Capacity Prediction. Complexity, 2022, 2022, 1-15.	1.6	1