

Adebayo J Adeloye

List of Publications by Year in Descending Order

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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.

58
papers

1,115
citations

18
h-index

32
g-index

58
ext. papers

1,479
ext. citations

4.4
avg, IF

5.33
L-index

#	Paper	IF	Citations
58	Water resource planning and climate change 2022 , 27-40		
57	Study of Impact of Cloud-Seeding on Intensity-Duration-Frequency (IDF) Curves of Sharjah City, the United Arab Emirates. <i>Water (Switzerland)</i> , 2021 , 13, 3363	3	1
56	Effect of pot-ale enrichment on the treatment efficiency of primary settled wastewater by the microalga <i>Chlorella vulgaris</i> . <i>Journal of Cleaner Production</i> , 2021 , 327, 129436	10.3	1
55	Adaptation by Himalayan Water Resource System under a Sustainable Socioeconomic Pathway in a High-Emission Context. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021 , 26, 04021003	1.8	3
54	External stakeholders' attitudes towards and engagement with local knowledge in disaster risk reduction: are we only paying lip service?. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 58, 102196	4.5	8
53	Integrating micro-algae into wastewater treatment: A review. <i>Science of the Total Environment</i> , 2021 , 752, 142168	10.2	154
52	Future Changes in Water Availability Due to Climate Change Projections for Huong Basin, Vietnam. <i>Environmental Processes</i> , 2021 , 8, 77-98	2.8	4
51	Evaluating the Performance of Self-Organizing Maps to Estimate Well-Watered Canopy Temperature for Calculating Crop Water Stress Index in Indian Mustard (<i>Brassica juncea</i>). <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021 , 147, 04020040	1.1	2
50	Impacts of Ignored Evaporation and Sedimentation Fluxes at Planning on Reservoir Performance in Operation. <i>Water Resources Management</i> , 2021 , 35, 3539-3570	3.7	3
49	Self-organizing map estimator for the crop water stress index. <i>Computers and Electronics in Agriculture</i> , 2021 , 187, 106232	6.5	5
48	Simulation-based optimization for spatiotemporal allocation of irrigation water in arid region. <i>Agricultural Water Management</i> , 2021 , 254, 106952	5.9	9
47	Influence of Reservoir Joint Operation on Performance of the Pongbhabakra Multipurpose, Multireservoir System in Northern India. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021 , 147, 04021076	2.8	1
46	Sustainability Ranking of Desalination Plants Using Mamdani Fuzzy Logic Inference Systems. <i>Sustainability</i> , 2020 , 12, 631	3.6	17
45	Neural computing modelling of the crop water stress index. <i>Agricultural Water Management</i> , 2020 , 239, 106259	5.9	13
44	A sustainable irrigation water management framework coupling water-salt processes simulation and uncertain optimization in an arid area. <i>Agricultural Water Management</i> , 2020 , 231, 105994	5.9	6
43	Crop water stress index for scheduling irrigation of Indian mustard (<i>Brassica juncea</i>) based on water use efficiency considerations. <i>Journal of Agronomy and Crop Science</i> , 2020 , 206, 148-159	3.9	18
42	Modelling Unconfined Groundwater Recharge Using Adaptive Neuro-Fuzzy Inference System. <i>Processes</i> , 2020 , 8, 1280	2.9	1

41	Crop production in the Hexi Corridor challenged by future climate change. <i>Journal of Hydrology</i> , 2019 , 579, 124197	6	15
40	Hedging as an adaptive measure for climate change induced water shortage at the Pong reservoir in the Indus Basin Beas River, India. <i>Science of the Total Environment</i> , 2019 , 687, 554-566	10.2	16
39	Anaerobic digestion process modeling using Kohonen self-organising maps. <i>Heliyon</i> , 2019 , 5, e01511	3.6	8
38	A Coupled Model for Simulating Water and Heat Transfer in Soil-Plant-Atmosphere Continuum with Crop Growth. <i>Water (Switzerland)</i> , 2019 , 11, 47	3	2
37	Characterising Local Knowledge across the Flood Risk Management Cycle: A Case Study of Southern Malawi. <i>Sustainability</i> , 2019 , 11, 1681	3.6	18
36	Height-Area-Storage Functional Models for Evaporation-Loss Inclusion in Reservoir-Planning Analysis. <i>Water (Switzerland)</i> , 2019 , 11, 1413	3	7
35	Bias Correction of High-Resolution Regional Climate Model Precipitation Output Gives the Best Estimates of Precipitation in Himalayan Catchments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 14220-14239	4.4	11
34	Review of Anaerobic Digestion Modeling and Optimization Using Nature-Inspired Techniques. <i>Processes</i> , 2019 , 7, 953	2.9	28
33	Effect of dynamically varying zone-based hedging policies on the operational performance of surface water reservoirs during climate change. <i>Geological Society Special Publication</i> , 2019 , 488, 277-289	1.7	4
32	Untangling the water-food-energy-environment nexus for global change adaptation in a complex Himalayan water resource system. <i>Science of the Total Environment</i> , 2019 , 655, 35-47	10.2	57
31	Taking stock of community-based flood risk management in Malawi: different stakeholders, different perspectives. <i>Environmental Hazards</i> , 2018 , 17, 107-127	4.2	17
30	Optimization of irrigation scheduling for spring wheat based on simulation-optimization model under uncertainty. <i>Agricultural Water Management</i> , 2018 , 208, 245-260	5.9	23
29	Harmonisation of Reliability Performance Indices for Planning and Operational Evaluation of Water Supply Reservoirs. <i>Water Resources Management</i> , 2017 , 31, 1013-1029	3.7	10
28	Effect of organic carbon enrichment on the treatment efficiency of primary settled wastewater by <i>Chlorella vulgaris</i> . <i>Algal Research</i> , 2017 , 24, 368-377	5	28
27	Effect of Hedging-Integrated Rule Curves on the Performance of the Pong Reservoir (India) During Scenario-Neutral Climate Change Perturbations. <i>Water Resources Management</i> , 2016 , 30, 445-470	3.7	22
26	Evaluating the variability in surface water reservoir planning characteristics during climate change impacts assessment. <i>Journal of Hydrology</i> , 2016 , 538, 625-639	6	35
25	Modeling crop water consumption and water productivity in the middle reaches of Heihe River Basin. <i>Computers and Electronics in Agriculture</i> , 2016 , 123, 242-255	6.5	40
24	Stochastic assessment of Phien generalized reservoir storage-yield-probability models using global runoff data records. <i>Journal of Hydrology</i> , 2015 , 529, 1433-1441	6	5

23	Assessing competing policies at Ubonratana reservoir, Thailand. <i>Water Management</i> , 2014 , 167, 551-560	11
22	Modelling the Impact of Climate Change on Water Systems and Implications for Decision-Makers 2013 , 299-326	4
21	Self-organising map rainfall-runoff multivariate modelling for runoff reconstruction in inadequately gauged basins 2012 , 43, 603-617	21
20	Lagos (Nigeria) flooding and influence of urban planning. <i>Proceedings of the Institution of Civil Engineers: Urban Design and Planning</i> , 2011 , 164, 175-187	0.6 28
19	Generalised storage-yield-reliability modelling: Independent validation of the Vogel-Stedinger (VS) model using a Monte Carlo simulation approach. <i>Journal of Hydrology</i> , 2010 , 388, 234-240	6 3
18	Replacing Outliers and Missing Values from Activated Sludge Data Using Kohonen Self-Organizing Map. <i>Journal of Environmental Engineering, ASCE</i> , 2007 , 133, 909-916	2 49
17	Evaluation of quantity and quality of irrigation water at Gadowa irrigation project in Murzuq basin, southwest Libya. <i>Agricultural Water Management</i> , 2006 , 84, 193-201	5.9 28
16	Understanding performance measures of reservoirs. <i>Journal of Hydrology</i> , 2006 , 324, 359-382	6 135
15	Artificial neural network based generalized storage-yield-reliability models using the Levenberg-Marquardt algorithm. <i>Journal of Hydrology</i> , 2006 , 326, 215-230	6 53
14	Monte Carlo Assessment of Sampling Uncertainty of Climate Change Impacts on Water Resources Yield in Yorkshire, England. <i>Climatic Change</i> , 2006 , 78, 257-292	4.5 34
13	A Graphical Rule for Volumetric Evaporation Loss Correction in Reservoir Capacity-Yield-Performance Planning in Urmia Region, Iran. <i>Water Resources Management</i> , 2004 , 18, 55-74	2.7 13
12	Regression models for within-year capacity adjustment in reservoir planning. <i>Hydrological Sciences Journal</i> , 2003 , 48, 539-552	3.5 22
11	Effects of Integrated Planning on Capacity-Yield-Performance Functions. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2002 , 128, 456-461	2.8 2
10	Preliminary streamflow data analyses prior to water resources planning study / Analyses préliminaires des données de débit en vue d'une étude de planification des ressources en eau. <i>Hydrological Sciences Journal</i> , 2002 , 47, 679-692	3.5 66
9	Evaluation of monthly runoff estimated by a rainfall-runoff regression model for reservoir yield assessment. <i>Hydrological Sciences Journal</i> , 1999 , 44, 113-134	3.5 11
8	An opportunity loss model for estimating the value of streamflow data for reservoir planning. <i>Water Resources Management</i> , 1996 , 10, 45-79	3.7 9
7	Spatial and temporal Trend Analysis of Long Term rainfall records in data-poor catchments with missing data, a case study of Lower Shire floodplain in Malawi for the Period 1953-2010	9
6	A metric-based assessment of flood risk and vulnerability of rural communities in the Lower Shire Valley, Malawi. <i>Proceedings of the International Association of Hydrological Sciences</i> , 370 , 139-145	7

5	Inflow forecasting using Artificial Neural Networks for reservoir operation. <i>Proceedings of the International Association of Hydrological Sciences</i> ,373, 209-214	10
4	Assessment of freshwater ecosystem services in the Beas River Basin, Himalayas region, India. <i>Proceedings of the International Association of Hydrological Sciences</i> ,379, 67-72	3
3	Effect of reservoir zones and hedging factor dynamism on reservoir adaptive capacity for climate change impacts. <i>Proceedings of the International Association of Hydrological Sciences</i> ,379, 21-29	2
2	Quantifying the uncertainties of climate change effects on the storage-yield and performance characteristics of the Pong multi-purpose reservoir, India. <i>Proceedings of the International Association of Hydrological Sciences</i> ,371, 49-57	
1	Water security implications of climate and socio-economic stressors for river basin management. <i>Hydrological Sciences Journal</i> ,	3-5 3