Adebayo J Adeloye

List of Publications by Citations

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	Integrating micro-algae into wastewater treatment: A review. *Science of the Total Environment*, **2021**, 752, 142168	10.2	154
57	Understanding performance measures of reservoirs. *Journal of Hydrology*, **2006**, 324, 359-382	6	135
56	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. *Hydrological Sciences Journal*, **2002**, 47, 679-692	3.5	66
55	Untangling the water-food-energy-environment nexus for global change adaptation in a complex Himalayan water resource system. *Science of the Total Environment*, **2019**, 655, 35-47	10.2	57
54	Artificial neural network based generalized storage-yield-reliability models using the Levenberg–Marquardt algorithm. *Journal of Hydrology*, **2006**, 326, 215-230	6	53
53	Replacing Outliers and Missing Values from Activated Sludge Data Using Kohonen Self-Organizing Map. *Journal of Environmental Engineering, ASCE*, **2007**, 133, 909-916	2	49
52	Modeling crop water consumption and water productivity in the middle reaches of Heihe River Basin. *Computers and Electronics in Agriculture*, **2016**, 123, 242-255	6.5	40
51	Evaluating the variability in surface water reservoir planning characteristics during climate change impacts assessment. *Journal of Hydrology*, **2016**, 538, 625-639	6	35
50	Monte Carlo Assessment of Sampling Uncertainty of Climate Change Impacts on Water Resources Yield in Yorkshire, England. *Climatic Change*, **2006**, 78, 257-292	4.5	34
49	Effect of organic carbon enrichment on the treatment efficiency of primary settled wastewater by Chlorella vulgaris. *Algal Research*, **2017**, 24, 368-377	5	28
48	Lagos (Nigeria) flooding and influence of urban planning. *Proceedings of the Institution of Civil Engineers: Urban Design and Planning*, **2011**, 164, 175-187	0.6	28
47	Evaluation of quantity and quality of irrigation water at Gadowa irrigation project in Murzuq basin, southwest Libya. *Agricultural Water Management*, **2006**, 84, 193-201	5.9	28
46	Review of Anaerobic Digestion Modeling and Optimization Using Nature-Inspired Techniques. *Processes*, **2019**, 7, 953	2.9	28
45	Optimization of irrigation scheduling for spring wheat based on simulation-optimization model under uncertainty. *Agricultural Water Management*, **2018**, 208, 245-260	5.9	23
44	Effect of Hedging-Integrated Rule Curves on the Performance of the Pong Reservoir (India) During Scenario-Neutral Climate Change Perturbations. *Water Resources Management*, **2016**, 30, 445-470	3.7	22
43	Regression models for within-year capacity adjustment in reservoir planning. *Hydrological Sciences Journal*, **2003**, 48, 539-552	3.5	22
42	Self-organising map rainfall-runoff multivariate modelling for runoff reconstruction in inadequately gauged basins **2012**, 43, 603-617		21

41	Characterising Local Knowledge across the Flood Risk Management Cycle: A Case Study of Southern Malawi. *Sustainability*, **2019**, 11, 1681	3.6	18
40	Crop water stress index for scheduling irrigation of Indian mustard (Brassica juncea) based on water use efficiency considerations. *Journal of Agronomy and Crop Science*, **2020**, 206, 148-159	3.9	18
39	Sustainability Ranking of Desalination Plants Using Mamdani Fuzzy Logic Inference Systems. *Sustainability*, **2020**, 12, 631	3.6	17
38	Taking stock of community-based flood risk management in Malawi: different stakeholders, different perspectives. *Environmental Hazards*, **2018**, 17, 107-127	4.2	17
37	Hedging as an adaptive measure for climate change induced water shortage at the Pong reservoir in the Indus Basin Beas River, India. *Science of the Total Environment*, **2019**, 687, 554-566	10.2	16
36	Crop production in the Hexi Corridor challenged by future climate change. *Journal of Hydrology*, **2019**, 579, 124197	6	15
35	A Graphical Rule for Volumetric Evaporation Loss Correction in Reservoir Capacity-Yield-Performance Planning in Urmia Region, Iran. *Water Resources Management*, **2004**, 18, 55-74	3.7	13
34	Neural computing modelling of the crop water stress index. *Agricultural Water Management*, **2020**, 239, 106259	5.9	13
33	Assessing competing policies at Ubonratana reservoir, Thailand. *Water Management*, **2014**, 167, 551-560	1	11
32	Evaluation of monthly runoff estimated by a rainfall-runoff regression model for reservoir yield assessment. *Hydrological Sciences Journal*, **1999**, 44, 113-134	3.5	11
31	Bias Correction of High-Resolution Regional Climate Model Precipitation Output Gives the Best Estimates of Precipitation in Himalayan Catchments. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 14220-14239	4.4	11
30	Harmonisation of Reliability Performance Indices for Planning and Operational Evaluation of Water Supply Reservoirs. *Water Resources Management*, **2017**, 31, 1013-1029	3.7	10
29	Inflow forecasting using Artificial Neural Networks for reservoir operation. *Proceedings of the International Association of Hydrological Sciences*,373, 209-214		10
28	An opportunity loss model for estimating the value of streamflow data for reservoir planning. *Water Resources Management*, **1996**, 10, 45-79	3.7	9
27	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
26	Simulation-based optimization for spatiotemporal allocation of irrigation water in arid region. *Agricultural Water Management*, **2021**, 254, 106952	5.9	9
25	Anaerobic digestion process modeling using Kohonen self-organising maps. *Heliyon*, **2019**, 5, e01511	3.6	8
24	External stakeholders' attitudes towards and engagement with local knowledge in disaster risk reduction: are we only paying lip service?. *International Journal of Disaster Risk Reduction*, **2021**, 58, 102196	4.5	8

23	Height–Area–Storage Functional Models for Evaporation-Loss Inclusion in Reservoir-Planning Analysis. *Water (Switzerland)*, **2019**, 11, 1413	3	7
22	A metric-based assessment of flood risk and vulnerability of rural communities in the Lower Shire Valley, Malawi. *Proceedings of the International Association of Hydrological Sciences*,370, 139-145		7
21	A sustainable irrigation water management framework coupling water-salt processes simulation and uncertain optimization in an arid area. *Agricultural Water Management*, **2020**, 231, 105994	5.9	6
20	Stochastic assessment of Phien generalized reservoir storage–yield–probability models using global runoff data records. *Journal of Hydrology*, **2015**, 529, 1433-1441	6	5
19	Self-organizing map estimator for the crop water stress index. *Computers and Electronics in Agriculture*, **2021**, 187, 106232	6.5	5
18	Modelling the Impact of Climate Change on Water Systems and Implications for Decision-Makers **2013**, 299-326		4
17	Effect of dynamically varying zone-based hedging policies on the operational performance of surface water reservoirs during climate change. *Geological Society Special Publication*, **2019**, 488, 277-289	1.7	4
16	Future Changes in Water Availability Due to Climate Change Projections for Huong Basin, Vietnam. *Environmental Processes*, **2021**, 8, 77-98	2.8	4
15	Generalised storage-yield-reliability modelling: Independent validation of the Vogel–Stedinger (VS) model using a Monte Carlo simulation approach. *Journal of Hydrology*, **2010**, 388, 234-240	6	3
14	Assessment of freshwater ecosystem services in the Beas River Basin, Himalayas region, India. *Proceedings of the International Association of Hydrological Sciences*,379, 67-72		3
13	Adaptation by Himalayan Water Resource System under a Sustainable Socioeconomic Pathway in a High-Emission Context. *Journal of Hydrologic Engineering - ASCE*, **2021**, 26, 04021003	1.8	3
12	Water security implications of climate and socio-economic stressors for river basin management. *Hydrological Sciences Journal*,	3.5	3
11	Impacts of Ignored Evaporation and Sedimentation Fluxes at Planning on Reservoir Performance in Operation. *Water Resources Management*, **2021**, 35, 3539-3570	3.7	3
10	A Coupled Model for Simulating Water and Heat Transfer in Soil-Plant-Atmosphere Continuum with Crop Growth. *Water (Switzerland)*, **2019**, 11, 47	3	2
9	Effects of Integrated Planning on Capacity-Yield-Performance Functions. *Journal of Water Resources Planning and Management - ASCE*, **2002**, 128, 456-461	2.8	2
8	Effect of reservoir zones and hedging factor dynamism on reservoir adaptive capacity for climate change impacts. *Proceedings of the International Association of Hydrological Sciences*,379, 21-29		2
7	Evaluating the Performance of Self-Organizing Maps to Estimate Well-Watered Canopy Temperature for Calculating Crop Water Stress Index in Indian Mustard (Brassica juncea). *Journal of Irrigation and Drainage Engineering - ASCE*, **2021**, 147, 04020040	1.1	2
6	Study of Impact of Cloud-Seeding on Intensity-Duration-Frequency (IDF) Curves of Sharjah City, the United Arab Emirates. *Water (Switzerland)*, **2021**, 13, 3363	3	1

5	Effect of pot-ale enrichment on the treatment efficiency of primary settled wastewater by the microalga Chlorella vulgaris. *Journal of Cleaner Production*, **2021**, 327, 129436	10.3	1
4	Modelling Unconfined Groundwater Recharge Using Adaptive Neuro-Fuzzy Inference System. *Processes*, **2020**, 8, 1280	2.9	1
3	Influence of Reservoir Joint Operation on Performance of the Pong–Bhakra Multipurpose, Multireservoir System in Northern India. *Journal of Water Resources Planning and Management - ASCE*, **2021**, 147, 04021076	2.8	1
2	Quantifying the uncertainties of climate change effects on the storage-yield and performance characteristics of the Pong multi-purpose reservoir, India. *Proceedings of the International Association of Hydrological Sciences*,371, 49-57		
1	Water resource planning and climate change **2022**, 27-40		