

# Adebayo J Adeloje

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,833  
citations

257101

24  
h-index

276539

41  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1952  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating micro-algae into wastewater treatment: A review. <i>Science of the Total Environment</i> , 2021, 752, 142168.	3.9	375
2	Understanding performance measures of reservoirs. <i>Journal of Hydrology</i> , 2006, 324, 359-382.	2.3	165
3	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.	3.9	93
4	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.	1.2	79
5	Artificial neural network based generalized storage "yield" reliability models using the Levenberg-Marquardt algorithm. <i>Journal of Hydrology</i> , 2006, 326, 215-230.	2.3	70
6	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.	0.7	69
7	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.	3.7	54
8	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	49
9	Evaluating the variability in surface water reservoir planning characteristics during climate change impacts assessment. <i>Journal of Hydrology</i> , 2016, 538, 625-639.	2.3	49
10	Optimization of irrigation scheduling for spring wheat based on simulation-optimization model under uncertainty. <i>Agricultural Water Management</i> , 2018, 208, 245-260.	2.4	47
11	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.	2.4	42
12	Review of Anaerobic Digestion Modeling and Optimization Using Nature-Inspired Techniques. <i>Processes</i> , 2019, 7, 953.	1.3	42
13	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.	1.7	42
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.	1.7	39
15	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.	2.4	36
16	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.	3.9	35
17	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.	1.9	33
18	Characterising Local Knowledge across the Flood Risk Management Cycle: A Case Study of Southern Malawi. <i>Sustainability</i> , 2019, 11, 1681.	1.6	33

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19	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.	1.2	30
20	Regression models for within-year capacity adjustment in reservoir planning. <i>Hydrological Sciences Journal</i> , 2003, 48, 539-552.	1.2	28
21	Future Changes in Water Availability Due to Climate Change Projections for Huong Basin, Vietnam. <i>Environmental Processes</i> , 2021, 8, 77-98.	1.7	28
22	Neural computing modelling of the crop water stress index. <i>Agricultural Water Management</i> , 2020, 239, 106259.	2.4	28
23	Crop production in the Hexi Corridor challenged by future climate change. <i>Journal of Hydrology</i> , 2019, 579, 124197.	2.3	26
24	Self-organising map rainfall-runoff multivariate modelling for runoff reconstruction in inadequately gauged basins. <i>Hydrology Research</i> , 2012, 43, 603-617.	1.1	25
25	Sustainability Ranking of Desalination Plants Using Mamdani Fuzzy Logic Inference Systems. <i>Sustainability</i> , 2020, 12, 631.	1.6	23
26	Taking stock of community-based flood risk management in Malawi: different stakeholders, different perspectives. <i>Environmental Hazards</i> , 2018, 17, 107-127.	1.4	22
27	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.	1.8	20
28	Simulation-based optimization for spatiotemporal allocation of irrigation water in arid region. <i>Agricultural Water Management</i> , 2021, 254, 106952.	2.4	20
29	Inflow forecasting using Artificial Neural Networks for reservoir operation. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 373, 209-214.	1.0	15
30	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.	1.9	14
31	Assessing competing policies at Ubonratana reservoir, Thailand. <i>Water Management</i> , 2014, 167, 551-560.	0.4	14
32	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.	2.4	14
33	An opportunity loss model for estimating the value of streamflow data for reservoir planning. <i>Water Resources Management</i> , 1996, 10, 45-79.	1.9	13
34	Anaerobic digestion process modeling using Kohonen self-organising maps. <i>Heliyon</i> , 2019, 5, e01511.	1.4	13
35	Self-organizing map estimator for the crop water stress index. <i>Computers and Electronics in Agriculture</i> , 2021, 187, 106232.	3.7	12
36	Evaluation of monthly runoff estimated by a rainfall-runoff regression model for reservoir yield assessment. <i>Hydrological Sciences Journal</i> , 1999, 44, 113-134.	1.2	11

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37	Harmonisation of Reliability Performance Indices for Planning and Operational Evaluation of Water Supply Reservoirs. <i>Water Resources Management</i> , 2017, 31, 1013-1029.	1.9	11
38	Height-“Area”-Storage Functional Models for Evaporation-Loss Inclusion in Reservoir-Planning Analysis. <i>Water (Switzerland)</i> , 2019, 11, 1413.	1.2	11
39	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.	0.8	10
40	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> , 0, 370, 139-145.	1.0	9
41	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.	1.2	8
42	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, .	0.6	7
43	Stochastic assessment of Phien generalized reservoir storage-“yield”-probability models using global runoff data records. <i>Journal of Hydrology</i> , 2015, 529, 1433-1441.	2.3	6
44	Water Security Implications of Climate and Socio-economic Stressors for River Basin Management. <i>Hydrological Sciences Journal</i> , 0, , .	1.2	6
45	Modelling the Impact of Climate Change on Water Systems and Implications for Decision-Makers. , 2013, , 299-326.		5
46	Impacts of Ignored Evaporation and Sedimentation Fluxes at Planning on Reservoir Performance in Operation. <i>Water Resources Management</i> , 2021, 35, 3539-3570.	1.9	5
47	Influence of Reservoir Joint Operation on Performance of the Pong-“Bhakra Multipurpose, Multireservoir System in Northern India. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	1.3	5
48	Effects of Integrated Planning on Capacity-Yield-Performance Functions. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2002, 128, 456-461.	1.3	4
49	Generalised storage-yield-reliability modelling: Independent validation of the Vogel-“Stedinger (V-“S) model using a Monte Carlo simulation approach. <i>Journal of Hydrology</i> , 2010, 388, 234-240.	2.3	4
50	A Coupled Model for Simulating Water and Heat Transfer in Soil-Plant-Atmosphere Continuum with Crop Growth. <i>Water (Switzerland)</i> , 2019, 11, 47.	1.2	4
51	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.	0.8	4
52	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.	4.6	4
53	Assessment of freshwater ecosystem services in the Beas River Basin, Himalayas region, India. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 379, 67-72.	1.0	3
54	Modelling Unconfined Groundwater Recharge Using Adaptive Neuro-Fuzzy Inference System. <i>Processes</i> , 2020, 8, 1280.	1.3	2

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55	Effect of reservoir zones and hedging factor dynamism on reservoir adaptive capacity for climate change impacts. Proceedings of the International Association of Hydrological Sciences, 0, 379, 21-29.	1.0	2
56	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, 0, 371, 49-57.	1.0	0
57	Water resource planning and climate change. , 2022, , 27-40.		0