# Adebayo J Adeloye

List of Publications by Year
in descending order

| 57 papers | 1,833 citations | 257101<br>24 h-index | 276539<br>41 g-index |
|---|---|---|---|
| 58 all docs | 58 docs citations | 58 times ranked | 1952 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Water resource planning and climate change. , 2022, , 27-40. | | 0 |
| 2 | Integrating micro-algae into wastewater treatment: A review. Science of the Total Environment, 2021, 752, 142168. | 3.9 | 375 |
| 3 | Future Changes in Water Availability Due to Climate Change Projections for Huong Basin, Vietnam. Environmental Processes, 2021, 8, 77-98. | 1.7 | 28 |
| 4 | 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, . | 0.6 | 7 |
| 5 | Adaptation by Himalayan Water Resource System under a Sustainable Socioeconomic Pathway in a High-Emission Context. Journal of Hydrologic Engineering - ASCE, 2021, 26, 04021003. | 0.8 | 10 |
| 6 | External stakeholdersâ€™ 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. | 1.8 | 20 |
| 7 | Impacts of Ignored Evaporation and Sedimentation Fluxes at Planning on Reservoir Performance in Operation. Water Resources Management, 2021, 35, 3539-3570. | 1.9 | 5 |
| 8 | Self-organizing map estimator for the crop water stress index. Computers and Electronics in Agriculture, 2021, 187, 106232. | 3.7 | 12 |
| 9 | Simulation-based optimization for spatiotemporal allocation of irrigation water in arid region. Agricultural Water Management, 2021, 254, 106952. | 2.4 | 20 |
| 10 | Influence of Reservoir Joint Operation on Performance of the Pongâ€"Bhakra Multipurpose, Multireservoir System in Northern India. Journal of Water Resources Planning and Management - ASCE, 2021, 147, . | 1.3 | 5 |
| 11 | 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. | 4.6 | 4 |
| 12 | Study of Impact of Cloud-Seeding on Intensity-Duration-Frequency (IDF) Curves of Sharjah City, the United Arab Emirates. Water (Switzerland), 2021, 13, 3363. | 1.2 | 8 |
| 13 | A sustainable irrigation water management framework coupling water-salt processes simulation and uncertain optimization in an arid area. Agricultural Water Management, 2020, 231, 105994. | 2.4 | 14 |
| 14 | 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. | 1.7 | 42 |
| 15 | Modelling Unconfined Groundwater Recharge Using Adaptive Neuro-Fuzzy Inference System. Processes, 2020, 8, 1280. | 1.3 | 2 |
| 16 | Sustainability Ranking of Desalination Plants Using Mamdani Fuzzy Logic Inference Systems. Sustainability, 2020, 12, 631. | 1.6 | 23 |
| 17 | Neural computing modelling of the crop water stress index. Agricultural Water Management, 2020, 239, 106259. | 2.4 | 28 |
| 18 | Heightâ€"Areaâ€"Storage Functional Models for Evaporation-Loss Inclusion in Reservoir-Planning Analysis. Water (Switzerland), 2019, 11, 1413. | 1.2 | 11 |

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|---|---|---|---|
| 19 | Crop production in the Hexi Corridor challenged by future climate change. Journal of Hydrology, 2019, 579, 124197. | 2.3 | 26 |
| 20 | 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. | 3.9 | 35 |
| 21 | Anaerobic digestion process modeling using Kohonen self-organising maps. Heliyon, 2019, 5, e01511. | 1.4 | 13 |
| 22 | A Coupled Model for Simulating Water and Heat Transfer in Soil-Plant-Atmosphere Continuum with Crop Growth. Water (Switzerland), 2019, 11, 47. | 1.2 | 4 |
| 23 | Characterising Local Knowledge across the Flood Risk Management Cycle: A Case Study of Southern Malawi. Sustainability, 2019, 11, 1681. | 1.6 | 33 |
| 24 | 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. | 1.2 | 30 |
| 25 | Review of Anaerobic Digestion Modeling and Optimization Using Nature-Inspired Techniques. Processes, 2019, 7, 953. | 1.3 | 42 |
| 26 | 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. | 0.8 | 4 |
| 27 | 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. | 3.9 | 93 |
| 28 | Taking stock of community-based flood risk management in Malawi: different stakeholders, different perspectives. Environmental Hazards, 2018, 17, 107-127. | 1.4 | 22 |
| 29 | Optimization of irrigation scheduling for spring wheat based on simulation-optimization model under uncertainty. Agricultural Water Management, 2018, 208, 245-260. | 2.4 | 47 |
| 30 | Harmonisation of Reliability Performance Indices for Planning and Operational Evaluation of Water Supply Reservoirs. Water Resources Management, 2017, 31, 1013-1029. | 1.9 | 11 |
| 31 | Effect of organic carbon enrichment on the treatment efficiency of primary settled wastewater by Chlorella vulgaris. Algal Research, 2017, 24, 368-377. | 2.4 | 42 |
| 32 | Evaluating the variability in surface water reservoir planning characteristics during climate change impacts assessment. Journal of Hydrology, 2016, 538, 625-639. | 2.3 | 49 |
| 33 | Modeling crop water consumption and water productivity in the middle reaches of Heihe River Basin. Computers and Electronics in Agriculture, 2016, 123, 242-255. | 3.7 | 54 |
| 34 | 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. | 1.9 | 33 |
| 35 | Stochastic assessment of Phien generalized reservoir storage‐yield‐probability models using global runoff data records. Journal of Hydrology, 2015, 529, 1433-1441. | 2.3 | 6 |
| 36 | Assessing competing policies at Ubonratana reservoir, Thailand. Water Management, 2014, 167, 551-560. | 0.4 | 14 |

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|---|---------|----|-----------|
| 37 | Modelling the Impact of Climate Change on Water Systems and Implications for Decision-Makers. , 2013, , 299-326. | | 5 |
| 38 | Self-organising map rainfall-runoff multivariate modelling for runoff reconstruction in inadequately gauged basins. Hydrology Research, 2012, 43, 603-617. | 1.1 | 25 |
| 39 | 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 | 49 |
| 40 | Generalised storage-yield-reliability modelling: Independent validation of the Vogel–Stedinger (V–S) model using a Monte Carlo simulation approach. Journal of Hydrology, 2010, 388, 234-240. | 2.3 | 4 |
| 41 | Replacing Outliers and Missing Values from Activated Sludge Data Using Kohonen Self-Organizing Map. Journal of Environmental Engineering, ASCE, 2007, 133, 909-916. | 0.7 | 69 |
| 42 | Evaluation of quantity and quality of irrigation water at Gadowa irrigation project in Murzuq basin, southwest Libya. Agricultural Water Management, 2006, 84, 193-201. | 2.4 | 36 |
| 43 | Understanding performance measures of reservoirs. Journal of Hydrology, 2006, 324, 359-382. | 2.3 | 165 |
| 44 | Artificial neural network based generalized storage–yield–reliability models using the Levenberg–Marquardt algorithm. Journal of Hydrology, 2006, 326, 215-230. | 2.3 | 70 |
| 45 | Monte Carlo Assessment of Sampling Uncertainty of Climate Change Impacts on Water Resources Yield in Yorkshire, England. Climatic Change, 2006, 78, 257-292. | 1.7 | 39 |
| 46 | 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. | 1.9 | 14 |
| 47 | Regression models for within-year capacity adjustment in reservoir planning. Hydrological Sciences Journal, 2003, 48, 539-552. | 1.2 | 28 |
| 48 | Effects of Integrated Planning on Capacity-Yield-Performance Functions. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 456-461. | 1.3 | 4 |
| 49 | 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. | 1.2 | 79 |
| 50 | Evaluation of monthly runoff estimated by a rainfall-runoff regression model for reservoir yield assessment. Hydrological Sciences Journal, 1999, 44, 113-134. | 1.2 | 11 |
| 51 | An opportunity loss model for estimating the value of streamflow data for reservoir planning. Water Resources Management, 1996, 10, 45-79. | 1.9 | 13 |
| 52 | Water Security Implications of Climate and Socio-economic Stressors for River Basin Management. Hydrological Sciences Journal, 0, , . | 1.2 | 6 |
| 53 | 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, 0, 370, 139-145. | 1.0 | 9 |
| 54 | Inflow forecasting using Artificial Neural Networks for reservoir operation. Proceedings of the International Association of Hydrological Sciences, 0, 373, 209-214. | 1.0 | 15 |

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| 55 | Assessment of freshwater ecosystem services in the Beas River Basin, Himalayas region, India. Proceedings of the International Association of Hydrological Sciences, 0, 379, 67-72. | 1.0 | 3 |
| 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 | 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 |