# Ozgur Kisi

## List of Publications by Year
## in descending order

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|---|---|---|---|
| 470<br>papers | 24,932<br>citations | 4960<br>84<br>h-index | 17105<br>122<br>g-index |
| 482<br>all docs | 482<br>docs citations | 482<br>times ranked | 10167<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Prediction of groundwater level variations in coastal aquifers with tide and rainfall effects using heuristic data driven models. ISH Journal of Hydraulic Engineering, 2022, 28, 188-198. | 2.1 | 10 |
| 2 | Advanced machine learning models development for suspended sediment prediction: comparative analysis study. Geocarto International, 2022, 37, 6116-6140. | 3.5 | 9 |
| 3 | Drought modelling by standard precipitation index (SPI) in a semi-arid climate using deep learning method: long short-term memory. Neural Computing and Applications, 2022, 34, 2425-2442. | 5.6 | 18 |
| 4 | Predicting dissolved oxygen concentration in river using new advanced machines learning: Long-short term memory (LSTM) deep learning. , 2022, , 1-20. | | 3 |
| 5 | Predictability performance enhancement for suspended sediment in rivers: Inspection of newly developed hybrid adaptive neuro-fuzzy system model. International Journal of Sediment Research, 2022, 37, 383-398. | 3.5 | 11 |
| 6 | Comparison of the advanced machine learning methods for better prediction accuracy of solar radiation using only temperature data: A case study. International Journal of Energy Research, 2022, 46, 2709-2736. | 4.5 | 5 |
| 7 | Development of new machine learning model for streamflow prediction: case studies in Pakistan. Stochastic Environmental Research and Risk Assessment, 2022, 36, 999-1033. | 4.0 | 41 |
| 8 | The potential of a novel support vector machine trained with modified mayfly optimization algorithm for streamflow prediction. Hydrological Sciences Journal, 2022, 67, 161-174. | 2.6 | 47 |
| 9 | Wave height predictions in complex sea flows through soft-computing models: Case study of Persian Gulf. Ocean Engineering, 2022, 245, 110467. | 4.3 | 58 |
| 10 | Water level prediction using various machine learning algorithms: a case study of Durian Tunggal river, Malaysia. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 422-440. | 3.1 | 16 |
| 11 | Investigation of a composite two-phase hedging rule policy for a multi reservoir system using streamflow forecast. Agricultural Water Management, 2022, 265, 107542. | 5.6 | 12 |
| 12 | A long short-term memory deep learning approach for river water temperature prediction. , 2022, , 243-270. | | 1 |
| 13 | Linear and stratified sampling-based deep learning models for improving the river streamflow forecasting to mitigate flooding disaster. Natural Hazards, 2022, 112, 1527-1545. | 3.4 | 11 |
| 14 | On the Indirect Estimation of Wind Wave Heights over the Southern Coasts of Caspian Sea: A Comparative Analysis. Water (Switzerland), 2022, 14, 843. | 2.7 | 36 |
| 15 | Modeling Multistep Ahead Dissolved Oxygen Concentration Using Improved Support Vector Machines by a Hybrid Metaheuristic Algorithm. Sustainability, 2022, 14, 3470. | 3.2 | 21 |
| 16 | Estimation of Tasuj aquifer response to main meteorological parameter variations under Shared Socioeconomic Pathways scenarios. Theoretical and Applied Climatology, 2022, 149, 25-37. | 2.8 | 9 |
| 17 | Prediction of temporal variation of scour hole dimensions due to plane wall jets: Application of new soft computing techniques. Ocean Engineering, 2022, 251, 111031. | 4.3 | 3 |
| 18 | Delineation of isotopic and hydrochemical evolution of karstic aquifers with different cluster-based (HCA, KM, FCM and GKM) methods. Journal of Hydrology, 2022, 609, 127706. | 5.4 | 20 |

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| 19 | Evaluating ability of three types of discrete wavelet transforms for improving performance of different ML models in estimation of daily-suspended sediment load. Arabian Journal of Geosciences, 2022, 15, 1. | 1.3 | 11 |
| 20 | Comparative evaluation of deep learning and machine learning in modelling pan evaporation using limited inputs. Hydrological Sciences Journal, 2022, 67, 1309-1327. | 2.6 | 11 |
| 21 | Spatio-Temporal Analysis of Rainfall Dynamics of 120 Years (1901–2020) Using Innovative Trend Methodology: A Case Study of Haryana, India. Sustainability, 2022, 14, 4888. | 3.2 | 6 |
| 22 | Predicting Daily Streamflow in a Cold Climate Using a Novel Data Mining Technique: Radial M5 Model Tree. Water (Switzerland), 2022, 14, 1449. | 2.7 | 8 |
| 23 | Long-term multi-step ahead forecasting of root zone soil moisture in different climates: Novel ensemble-based complementary data-intelligent paradigms. Agricultural Water Management, 2022, 269, 107679. | 5.6 | 17 |
| 24 | Drought forecasting using the Prophet model in a semi-arid climate region of western India. Hydrological Sciences Journal, 2022, 67, 1397-1417. | 2.6 | 16 |
| 25 | Least square support vector machine-based variational mode decomposition: a new hybrid model for daily river water temperature modeling. Environmental Science and Pollution Research, 2022, 29, 71555-71582. | 5.3 | 10 |
| 26 | The Effect of Dust Storm on Sea Surface Temperature in the Western Basin of Persian Gulf. Standards, 2022, 2, 246-259. | 1.4 | 4 |
| 27 | Modeling Multi-objective Pareto-optimal Reservoir Operation Policies Using State-of-the-art Modeling Techniques. Water Resources Management, 2022, 36, 3107-3128. | 3.9 | 4 |
| 28 | Groundwater Level Simulation Using Soft Computing Methods with Emphasis on Major Meteorological Components. Water Resources Management, 2022, 36, 3627-3647. | 3.9 | 21 |
| 29 | Conjunction Model Design for Intermittent Streamflow Forecasts: Extreme Learning Machine with Discrete Wavelet Transform. Springer Transactions in Civil and Environmental Engineering, 2021, , 171-181. | 0.4 | 2 |
| 30 | Evolving Connectionist Systems Versus Neuro-Fuzzy System for Estimating Total Dissolved Gas at Forebay and Tailwater of Dams Reservoirs. Springer Transactions in Civil and Environmental Engineering, 2021, , 109-126. | 0.4 | 2 |
| 31 | Modeling monthly streamflow in mountainous basin by MARS, GMDH-NN and DENFIS using hydroclimatic data. Neural Computing and Applications, 2021, 33, 2853-2871. | 5.6 | 50 |
| 32 | Generalized gene expression programming models for estimating reference evapotranspiration through cross-station assessment and exogenous data supply. Environmental Science and Pollution Research, 2021, 28, 6520-6532. | 5.3 | 17 |
| 33 | Application of M5 model tree optimized with Excel Solver Platform for water quality parameter estimation. Environmental Science and Pollution Research, 2021, 28, 7347-7364. | 5.3 | 14 |
| 34 | Analysis of dry and wet climate characteristics at Uttarakhand (India) using effective drought index. Natural Hazards, 2021, 105, 1643-1662. | 3.4 | 32 |
| 35 | Prediction of hydraulics performance in drain envelopes using Kmeans based multivariate adaptive regression spline. Applied Soft Computing Journal, 2021, 100, 107008. | 7.2 | 34 |
| 36 | Short term rainfall-runoff modelling using several machine learning methods and a conceptual event-based model. Stochastic Environmental Research and Risk Assessment, 2021, 35, 597-616. | 4.0 | 58 |

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| 37 | Design of a hybrid ANN multi-objective whale algorithm for suspended sediment load prediction. Environmental Science and Pollution Research, 2021, 28, 1596-1611. | 5.3 | 49 |
| 38 | A new heuristic model for monthly streamflow forecasting. , 2021, , 281-303. | | 2 |
| 39 | Highly Accurate Prediction Model for Daily Runoff in Semi-Arid Basin Exploiting Metaheuristic Learning Algorithms. IEEE Access, 2021, 9, 92500-92515. | 4.2 | 14 |
| 40 | Modeling Short-Term Groundwater-Level Fluctuations Using Multivariate Adaptive Regression Spline. Advances in Science, Technology and Innovation, 2021, , 195-199. | 0.4 | 0 |
| 41 | Hybrid artificial intelligence models for predicting daily runoff. , 2021, , 305-329. | | 3 |
| 42 | Comparison of different methodologies for rainfallâ€"runoff modeling: machine learning vs conceptual approach. Natural Hazards, 2021, 105, 2987-3011. | 3.4 | 42 |
| 43 | Groundwater-Potential Mapping Using a Self-Learning Bayesian Network Model: A Comparison among Metaheuristic Algorithms. Water (Switzerland), 2021, 13, 658. | 2.7 | 25 |
| 44 | Support vector regression integrated with novel meta-heuristic algorithms for meteorological drought prediction. Meteorology and Atmospheric Physics, 2021, 133, 891-909. | 2.0 | 47 |
| 45 | A new approach for suspended sediment load calculation based on generated flow discharge considering climate change. Water Science and Technology: Water Supply, 2021, 21, 2400-2413. | 2.1 | 12 |
| 46 | Trend analysis of precipitation records using an innovative trend methodology in a semi-arid Mediterranean environment: Cheliff Watershed Case (Northern Algeria). Theoretical and Applied Climatology, 2021, 144, 1001-1015. | 2.8 | 8 |
| 47 | Prediction of daily suspended sediment load (SSL) using new optimization algorithms and soft computing models. Soft Computing, 2021, 25, 7609-7626. | 3.6 | 24 |
| 48 | Multivariate Drought Forecasting in Short- and Long-Term Horizons Using MSPI and Data-Driven Approaches. Journal of Hydrologic Engineering - ASCE, 2021, 26, . | 1.9 | 20 |
| 49 | Suspended Sediment Modeling Using a Heuristic Regression Method Hybridized with Kmeans Clustering. Sustainability, 2021, 13, 4648. | 3.2 | 15 |
| 50 | The development of evolutionary computing model for simulating reference evapotranspiration over Peninsular Malaysia. Theoretical and Applied Climatology, 2021, 144, 1419-1434. | 2.8 | 19 |
| 51 | Approaches for Optimizing the Performance of Adaptive Neuro-Fuzzy Inference System and Least-Squares Support Vector Machine in Precipitation Modeling. Journal of Hydrologic Engineering - ASCE, 2021, 26, . | 1.9 | 16 |
| 52 | Air temperature prediction using different machine learning models. Indonesian Journal of Electrical Engineering and Computer Science, 2021, 22, 534. | 0.8 | 2 |
| 53 | Investigating Application of Adaptive Neuro Fuzzy Inference Systems Method and Epanet Software for Modeling Green Space Water Distribution Network. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 2765-2777. | 1.9 | 4 |
| 54 | Modeling reference evapotranspiration using a novel regression-based method: radial basis M5 model tree. Theoretical and Applied Climatology, 2021, 145, 639-659. | 2.8 | 26 |

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| 55 | Soil erosion modeling of watershed using cubic, quadratic and quintic splines. Natural Hazards, 2021, 108, 2701-2719. | 3.4 | 3 |
| 56 | Novel Ensemble Forecasting of Streamflow Using Locally Weighted Learning Algorithm. Sustainability, 2021, 13, 5877. | 3.2 | 30 |
| 57 | Modeling soil temperature using air temperature features in diverse climatic conditions with complementary machine learning models. Computers and Electronics in Agriculture, 2021, 185, 106158. | 7.7 | 24 |
| 58 | A Rigorous Wavelet-Packet Transform to Retrieve Snow Depth from SSMIS Data and Evaluation of its Reliability by Uncertainty Parameters. Water Resources Management, 2021, 35, 2723-2740. | 3.9 | 12 |
| 59 | Closure to â€œComparative Study of Time Series Models, Support Vector Machines, and GMDH in Forecasting Long-Term Evapotranspiration Rates in Northern Iranâ€•by Afshin Ashrafzadeh, Ozgur KiÅŸi, Pouya Aghelpour, Seyed Mostafa Biazar, and Mohammadreza Askarizad Masouleh. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, 07021006. | 1.0 | 3 |
| 60 | Assessment of the total organic carbon employing the different nature-inspired approaches in the Nakdong River, South Korea. Environmental Monitoring and Assessment, 2021, 193, 445. | 2.7 | 10 |
| 61 | Identification of Critical Watershed for Soil Conservation Using Game Theory-Based Approaches. Water Resources Management, 2021, 35, 3105-3120. | 3.9 | 10 |
| 62 | A comprehensive comparison of recent developed meta-heuristic algorithms for streamflow time series forecasting problem. Applied Soft Computing Journal, 2021, 105, 107282. | 7.2 | 56 |
| 63 | Machine Learning with Metaheuristic Algorithms for Sustainable Water Resources Management. Sustainability, 2021, 13, 8596. | 3.2 | 4 |
| 64 | Predicting Water Availability in Water Bodies under the Influence of Precipitation and Water Management Actions Using VAR/VECM/LSTM. Climate, 2021, 9, 144. | 2.8 | 5 |
| 65 | Simulation of the impact of climate change on runoff and drought in an arid and semiarid basin (the) Tj ETQq1 1 0.784314 rgBT /Overlock | 5.6 | 28 |
| 66 | Towards a Comprehensive Assessment of Statistical versus Soft Computing Models in Hydrology: Application to Monthly Pan Evaporation Prediction. Water (Switzerland), 2021, 13, 2451. | 2.7 | 8 |
| 67 | Modeling wetting front redistribution of drip irrigation systems using a new machine learning method: Adaptive neuro- fuzzy system improved by hybrid particle swarm optimization â€" Gravity search algorithm. Agricultural Water Management, 2021, 256, 107067. | 5.6 | 30 |
| 68 | Improving streamflow prediction using a new hybrid ELM model combined with hybrid particle swarm optimization and grey wolf optimization. Knowledge-Based Systems, 2021, 230, 107379. | 7.1 | 117 |
| 69 | Discussion of â€œANFIS Modeling with ICA, BBO, TLBO, and IWO Optimization Algorithms and Sensitivity Analysis for Predicting Daily Reference Evapotranspirationâ€•by Maryam Zeinolabedini Rezaabad, Sadegh Ghazanfari, and Maryam Salajegheh. Journal of Hydrologic Engineering - ASCE, 2021, 26, . | 1.9 | 3 |
| 70 | Modeling the fluctuations of groundwater level by employing ensemble deep learning techniques. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1420-1439. | 3.1 | 46 |
| 71 | Machine Learning Method in Prediction Streamflow Considering Periodicity Component. Springer Transactions in Civil and Environmental Engineering, 2021, , 383-403. | 0.4 | 12 |
| 72 | Comprehensive assessment and scenario simulation for the future of the hydrological processes in Dez river basin, Iran. Water Science and Technology: Water Supply, 2021, 21, 1157-1176. | 2.1 | 13 |

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| 73 | Prediction of Potential Evapotranspiration Using Temperature-Based Heuristic Approaches. Sustainability, 2021, 13, 297. | 3.2 | 18 |
| 74 | Modeling flexural overstrength factor for steel beams using heuristic soft-computing methods. Structures, 2021, 34, 3238-3246. | 3.6 | 3 |
| 75 | Estimating reference evapotranspiration using hybrid adaptive fuzzy inferencing coupled with heuristic algorithms. Computers and Electronics in Agriculture, 2021, 191, 106541. | 7.7 | 60 |
| 76 | Improving Drought Modeling Using Hybrid Random Vector Functional Link Methods. Water (Switzerland), 2021, 13, 3379. | 2.7 | 29 |
| 77 | 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 |
| 78 | Design of water supply system from rivers using artificial intelligence to model water hammer. ISH Journal of Hydraulic Engineering, 2020, 26, 153-162. | 2.1 | 25 |
| 79 | A new wavelet conjunction approach for estimation of relative humidity: wavelet principal component analysis combined with ANN. Neural Computing and Applications, 2020, 32, 4989-5000. | 5.6 | 19 |
| 80 | Fuzzy c-means and K-means clustering with genetic algorithm for identification of homogeneous regions of groundwater quality. Neural Computing and Applications, 2020, 32, 3763-3775. | 5.6 | 44 |
| 81 | Novel approaches for air temperature prediction: A comparison of four hybrid evolutionary fuzzy models. Meteorological Applications, 2020, 27, e1817. | 2.1 | 24 |
| 82 | Modeling velocity distributions in small streams using different neuro-fuzzy and neural computing techniques. Journal of Water and Climate Change, 2020, 11, 390-401. | 2.9 | 1 |
| 83 | Evaluation of the support vector machine, random forest and geo-statistical methodologies for predicting long-term air temperature. ISH Journal of Hydraulic Engineering, 2020, 26, 376-386. | 2.1 | 25 |
| 84 | Evaluation of mechanical properties of concretes containing coarse recycled concrete aggregates using multivariate adaptive regression splines (MARS), M5 model tree (M5Tree), and least squares support vector regression (LSSVR) models. Neural Computing and Applications, 2020, 32, 295-308. | 5.6 | 89 |
| 85 | Predicting Total Dissolved Gas Concentration on a Daily Scale Using Kriging Interpolation, Response Surface Method and Artificial Neural Network: Case Study of Columbia River Basin Dams, USA. Natural Resources Research, 2020, 29, 1801-1818. | 4.7 | 19 |
| 86 | Comprehensive assessment of 12 soft computing approaches for modelling reference evapotranspiration in humid locations. Meteorological Applications, 2020, 27, e1841. | 2.1 | 19 |
| 87 | Dissolved oxygen prediction using a new ensemble method. Environmental Science and Pollution Research, 2020, 27, 9589-9603. | 5.3 | 61 |
| 88 | Improving artificial intelligence models accuracy for monthly streamflow forecasting using grey Wolf optimization (GWO) algorithm. Journal of Hydrology, 2020, 582, 124435. | 5.4 | 160 |
| 89 | River suspended sediment load prediction based on river discharge information: application of newly developed data mining models. Hydrological Sciences Journal, 2020, 65, 624-637. | 2.6 | 72 |
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| 92 | Monthly evapotranspiration estimation using optimal climatic parameters: efficacy of hybrid support vector regression integrated with whale optimization algorithm. Environmental Monitoring and Assessment, 2020, 192, 696. | 2.7 | 46 |
| 93 | Exploring the application of soft computing techniques for spatial evaluation of groundwater quality variables. Journal of Cleaner Production, 2020, 276, 124206. | 9.3 | 18 |
| 94 | Bayesian Model Averaging: A Unique Model Enhancing Forecasting Accuracy for Daily Streamflow Based on Different Antecedent Time Series. Sustainability, 2020, 12, 9720. | 3.2 | 13 |
| 95 | A Theoretical Approach for Forecasting Different Types of Drought Simultaneously, Using Entropy Theory and Machine-Learning Methods. ISPRS International Journal of Geo-Information, 2020, 9, 701. | 2.9 | 39 |
| 96 | Monthly suspended sediment load prediction using artificial intelligence: testing of a new random subspace method. Hydrological Sciences Journal, 2020, 65, 2116-2127. | 2.6 | 29 |
| 97 | Energy Loss in Skimming Flow over Cascade Spillways: Comparison of Artificial Intelligence-Based and Regression Methods. Applied Sciences (Switzerland), 2020, 10, 6903. | 2.5 | 8 |
| 98 | Closure to "Assessment of Artificial Intelligence‐Based Models and Metaheuristic Algorithms in Modeling Evaporation" by Mohammad Zounemat-Kermani, Ozgur Kisi, Jamshid Piri, and Amin Mahdavi-Meymand. Journal of Hydrologic Engineering - ASCE, 2020, 25, . | 1.9 | 1 |
| 99 | Development of an indirect method for modelling the water footprint of electricity using wavelet transform coupled with the random forest model. Hydrological Sciences Journal, 2020, 65, 2521-2534. | 2.6 | 4 |
| 100 | Ranking of hybrid wavelet-AI models by TOPSIS method for estimation of daily flow discharge. Water Science and Technology: Water Supply, 2020, 20, 3156-3171. | 2.1 | 22 |
| 101 | Solar Radiation Estimation in Mediterranean Climate by Weather Variables Using a Novel Bayesian Model Averaging and Machine Learning Methods. Neural Processing Letters, 2020, 52, 2297-2318. | 3.2 | 25 |
| 102 | A novel method for lake level prediction: deep echo state network. Arabian Journal of Geosciences, 2020, 13, 1. | 1.3 | 8 |
| 103 | Support vector regression optimized by meta-heuristic algorithms for daily streamflow prediction. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1755-1773. | 4.0 | 87 |
| 104 | New Formulation for Predicting Daily Reference Evapotranspiration (ET0) in the Mediterranean Region of Algeria Country: Optimally Pruned Extreme Learning Machine (OPELM) Versus Online Sequential Extreme Learning Machine (OSELM). Handbook of Environmental Chemistry, 2020, , 181-199. | 0.4 | 2 |
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| 107 | Transfer learning for neural network model in chlorophyll-a dynamics prediction by Wenchong Tian, Zhenliang Liao, and Xuan Wang. Environmental Science and Pollution Research, 2020, 27, 30899-30900. | 5.3 | 0 |
| 108 | Improved Water Quality Prediction with Hybrid Wavelet-Genetic Programming Model and Shannon Entropy. Natural Resources Research, 2020, 29, 3819-3840. | 4.7 | 26 |

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| 109 | Modelling reference evapotranspiration by combining neuro-fuzzy and evolutionary strategies. Acta Geophysica, 2020, 68, 1113-1126. | 2.0 | 69 |
| 110 | A minimalistic approach for evapotranspiration estimation using the Prophet model. Hydrological Sciences Journal, 2020, 65, 1994-2006. | 2.6 | 20 |
| 111 | Reference Evapotranspiration Modeling Using New Heuristic Methods. Entropy, 2020, 22, 547. | 2.2 | 30 |
| 112 | New input selection procedure for machine learning methods in estimating daily global solar radiation. Arabian Journal of Geosciences, 2020, 13, 1. | 1.3 | 33 |
| 113 | Assessing the biochemical oxygen demand using neural networks and ensemble tree approaches in South Korea. Journal of Environmental Management, 2020, 270, 110834. | 7.8 | 37 |
| 114 | Rainfall-runoff modelling using improved machine learning methods: Harris hawks optimizer vs. particle swarm optimization. Journal of Hydrology, 2020, 589, 125133. | 5.4 | 94 |
| 115 | Comparison of Evolving Connectionist Systems (ECoS) and Neural Networks for Modelling Daily Pan Evaporation from Algerian Dam Reservoirs. Handbook of Environmental Chemistry, 2020, , 161-179. | 0.4 | 0 |
| 116 | Comments on â€œPredicting permeability changes with injecting CO2 in coal seams during CO2 geological sequestration: A comparative study among six SVM-based hybrid modelsâ€•Science of the Total Environment, 705, 135941 (2020). Science of the Total Environment, 2020, 744, 139486. | 8.0 | 3 |
| 117 | Comparative Study of Time Series Models, Support Vector Machines, and GMDH in Forecasting Long-Term Evapotranspiration Rates in Northern Iran. Journal of Irrigation and Drainage Engineering - ASCE, 2020, 146, . | 1.0 | 50 |
| 118 | Investigation into the Effects of Climate Change on Reference Evapotranspiration Using the HadCM3 and LARS-WG. Water (Switzerland), 2020, 12, 666. | 2.7 | 27 |
| 119 | Pan Evaporation Estimation in Uttarakhand and Uttar Pradesh States, India: Validity of an Integrative Data Intelligence Model. Atmosphere, 2020, 11, 553. | 2.3 | 29 |
| 120 | Discussion of â€œPerformance Enhancement of a Conceptual Hydrological Model by Integrating Artificial Intelligenceâ€•by Ahmet Ali Kumanlioglu and Okan Fistikoglu. Journal of Hydrologic Engineering - ASCE, 2020, 25, 07020018. | 1.9 | 2 |
| 121 | Comparison of three different bio-inspired algorithms to improve ability of neuro fuzzy approach in prediction of agricultural drought, based on three different indexes. Computers and Electronics in Agriculture, 2020, 170, 105279. | 7.7 | 58 |
| 122 | A comparative study of several machine learning based non-linear regression methods in estimating solar radiation: Case studies of the USA and Turkey regions. Energy, 2020, 197, 117239. | 8.8 | 95 |
| 123 | Deep echo state network: a novel machine learning approach to model dew point temperature using meteorological variables. Hydrological Sciences Journal, 2020, 65, 1173-1190. | 2.6 | 27 |
| 124 | Application of novel data mining algorithms in prediction of discharge and end depth in trapezoidal sections. Computers and Electronics in Agriculture, 2020, 170, 105283. | 7.7 | 14 |
| 125 | Combined Use of Graphical and Statistical Approaches for Analyzing Historical Precipitation Changes in the Black Sea Region of Turkey. Water (Switzerland), 2020, 12, 705. | 2.7 | 20 |
| 126 | Humanâ€"Environment Natural Disasters Interconnection in China: A Review. Climate, 2020, 8, 48. | 2.8 | 64 |

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| 127 | Estimating Soil Available Phosphorus Content through Coupled Wavelet–Data-Driven Models. Sustainability, 2020, 12, 2150. | 3.2 | 10 |
| 128 | Advanced machine learning model for better prediction accuracy of soil temperature at different depths. PLoS ONE, 2020, 15, e0231055. | 2.5 | 59 |
| 129 | Artificial intelligence models versus empirical equations for modeling monthly reference evapotranspiration. Environmental Science and Pollution Research, 2020, 27, 30001-30019. | 5.3 | 83 |
| 130 | Streamflow forecasting using heuristic machine learning methods. , 2020, , . | | 6 |
| 131 | Spatial modeling of long-term air temperatures for sustainability: evolutionary fuzzy approach and neuro-fuzzy methods. PeerJ, 2020, 8, e8882. | 2.0 | 1 |
| 132 | A new intelligent method for monthly streamflow prediction: hybrid wavelet support vector regression based on grey wolf optimizer (WSVR–GWO). Arabian Journal of Geosciences, 2019, 12, 1. | 1.3 | 63 |
| 133 | On the applicability of maximum overlap discrete wavelet transform integrated with MARS and M5 model tree for monthly pan evaporation prediction. Agricultural and Forest Meteorology, 2019, 278, 107647. | 4.8 | 77 |
| 134 | Assessment of Artificial Intelligence–Based Models and Metaheuristic Algorithms in Modeling Evaporation. Journal of Hydrologic Engineering - ASCE, 2019, 24, . | 1.9 | 37 |
| 135 | A New Optimization Approach for the Least-Cost Design of Water Distribution Networks: Improved Crow Search Algorithm. Water Resources Management, 2019, 33, 3595-3613. | 3.9 | 26 |
| 136 | Daily streamflow prediction using optimally pruned extreme learning machine. Journal of Hydrology, 2019, 577, 123981. | 5.4 | 147 |
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| 138 | Investigation on the Potential to Integrate Different Artificial Intelligence Models with Metaheuristic Algorithms for Improving River Suspended Sediment Predictions. Applied Sciences (Switzerland), 2019, 9, 4149. | 2.5 | 24 |
| 139 | Estimation of monthly reference evapotranspiration using novel hybrid machine learning approaches. Hydrological Sciences Journal, 2019, 64, 1824-1842. | 2.6 | 97 |
| 140 | The viability of co-active fuzzy inference system model for monthly reference evapotranspiration estimation: case study of Uttarakhand State. Hydrology Research, 2019, 50, 1623-1644. | 2.7 | 49 |
| 141 | Prediction of Suspended Sediment Load Using Data-Driven Models. Water (Switzerland), 2019, 11, 2060. | 2.7 | 49 |
| 142 | Enhancing streamflow forecasting using the augmenting ensemble procedure coupled machine learning models: case study of Aswan High Dam. Hydrological Sciences Journal, 2019, 64, 1629-1646. | 2.6 | 42 |
| 143 | Modeling total dissolved gas (TDG) concentration at Columbia river basin dams: high-order response surface method (H-RSM) vs. M5Tree, LSSVM, and MARS. Arabian Journal of Geosciences, 2019, 12, 1. | 1.3 | 23 |
| 144 | Drought forecasting using novel heuristic methods in a semi-arid environment. Journal of Hydrology, 2019, 578, 124053. | 5.4 | 92 |

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| 145 | Implementation of evolutionary computing models for reference evapotranspiration modeling: short review, assessment and possible future research directions. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 811-823. | 3.1 | 54 |
| 146 | Hydrologic Alteration at the Upper and Middle Part of the Yangtze River, China: Towards Sustainable Water Resource Management Under Increasing Water Exploitation. Sustainability, 2019, 11, 5176. | 3.2 | 103 |
| 147 | Long-Term Trends and Seasonality Detection of the Observed Flow in Yangtze River Using Mann-Kendall and Sen's Innovative Trend Method. Water (Switzerland), 2019, 11, 1855. | 2.7 | 155 |
| 148 | Application of artificial intelligence to estimate phycocyanin pigment concentration using water quality data: a comparative study. Applied Water Science, 2019, 9, 1. | 5.6 | 13 |
| 149 | Predicting Water Quality Indicators from Conventional and Nonconventional Water Resources in Algeria Country: Adaptive Neuro-Fuzzy Inference Systems Versus Artificial Neural Networks. Handbook of Environmental Chemistry, 2019, , 13-34. | 0.4 | 3 |
| 150 | Comparison of LSSVR, M5RT, NF-GP, and NF-SC Models for Predictions of Hourly Wind Speed and Wind Power Based on Cross-Validation. Energies, 2019, 12, 329. | 3.1 | 43 |
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