Nadhir Al-Ansari

List of Publications by Citations

288 papers	4,050 citations	33 h-index	49 g-index
313 ext. papers	5,941 ext. citations	2.6 avg, IF	6.66 L-index

#	Paper	IF	Citations
288	Management of Water Resources in Iraq: Perspectives and Prognoses. *Engineering*, **2013**, 05, 667-684	0.4	99
287	Flood Detection and Susceptibility Mapping Using Sentinel-1 Remote Sensing Data and a Machine Learning Approach: Hybrid Intelligence of Bagging Ensemble Based on K-Nearest Neighbor Classifier. *Remote Sensing*, **2020**, 12, 266	5	96
286	Development and Evaluation of a Water Quality Index for the Iraqi Rivers. *Hydrology*, **2020**, 7, 67	2.8	88
285	Crop Water Requirements and Irrigation Schedules for Some Major Crops in Southern Iraq. *Water (Switzerland)*, **2019**, 11, 756	3	78
284	Impact of COVID-19 lockdown on NO, O, PM and PM concentrations and assessing air quality changes in Baghdad, Iraq. *Science of the Total Environment*, **2021**, 754, 141978	10.2	78
283	Thin and sharp edges bodies-fluid interaction simulation using cut-cell immersed boundary method. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 860-877	4.5	75
282	Waste foundry sand/MgFe-layered double hydroxides composite material for efficient removal of Congo red dye from aqueous solution. *Scientific Reports*, **2020**, 10, 2042	4.9	73
281	Shallow Landslide Susceptibility Mapping: A Comparison between Logistic Model Tree, Logistic Regression, Naïve Bayes Tree, Artificial Neural Network, and Support Vector Machine Algorithms. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	73
280	Water Footprint of Wheat in Iraq. *Water (Switzerland)*, **2019**, 11, 535	3	72
279	Soft Computing Ensemble Models Based on Logistic Regression for Groundwater Potential Mapping. *Applied Sciences (Switzerland)*, **2020**, 10, 2469	2.6	71
278	GIS Based Hybrid Computational Approaches for Flash Flood Susceptibility Assessment. *Water (Switzerland)*, **2020**, 12, 683	3	69
277	Seasonal Drought Pattern Changes Due to Climate Variability: Case Study in Afghanistan. *Water (Switzerland)*, **2019**, 11, 1096	3	65
276	Precipitation projection using a CMIP5 GCM ensemble model: a regional investigation of Syria. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 90-106	4.5	59
275	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. *Water (Switzerland)*, **2019**, 11, 502	3	56
274	Assessment of Main Cereal Crop Trade Impacts on Water and Land Security in Iraq. *Agronomy*, **2020**, 10, 98	3.6	56
273	. *IEEE Access*, **2019**, 7, 74471-74481	3.5	55
272	. *IEEE Access*, **2020**, 8, 32632-32651	3.5	55

271	Dew Point Temperature Estimation: Application of Artificial Intelligence Model Integrated with Nature-Inspired Optimization Algorithms. *Water (Switzerland)*, **2019**, 11, 742	3	52
270	Landslide Susceptibility Mapping Using Machine Learning Algorithms and Remote Sensing Data in a Tropical Environment. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	46
269	Performance Evaluation of Machine Learning Methods for Forest Fire Modeling and Prediction. *Symmetry*, **2020**, 12, 1022	2.7	45
268	A Novel Hybrid Soft Computing Model Using Random Forest and Particle Swarm Optimization for Estimation of Undrained Shear Strength of Soil. *Sustainability*, **2020**, 12, 2218	3.6	45
267	Present Conditions and Future Challenges of Water Resources Problems in Iraq. *Journal of Water Resource and Protection*, **2014**, 06, 1066-1098	0.7	44
266	Groundwater Potential Mapping Combining Artificial Neural Network and Real AdaBoost Ensemble Technique: The DakNong Province Case-study, Vietnam. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	44
265	Landfill site selection using geographic information system and analytical hierarchy process: A case study Al-Hillah Qadhaa, Babylon, Iraq. *Waste Management and Research*, **2016**, 34, 427-37	4	43
264	GIS-based assessment of combined AHP and SAW methods for selecting suitable sites for landfill in Al-Musayiab Qadhaa, Babylon, Iraq. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	42
263	Modeling monthly pan evaporation process over the Indian central Himalayas: application of multiple learning artificial intelligence model. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 323-338	4.5	42
262	Influence of Data Splitting on Performance of Machine Learning Models in Prediction of Shear Strength of Soil. *Mathematical Problems in Engineering*, **2021**, 2021, 1-15	1.1	42
261	The Integration of Nature-Inspired Algorithms with Least Square Support Vector Regression Models: Application to Modeling River Dissolved Oxygen Concentration. *Water (Switzerland)*, **2018**, 10, 1124	3	42
260	. *IEEE Access*, **2019**, 7, 141533-141548	3.5	41
259	Landfill Site Selection Using MCDM Methods and GIS in the Sulaimaniyah Governorate, Iraq. *Sustainability*, **2019**, 11, 4530	3.6	37
258	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	4.5	36
257	A Comparative Study of Kernel Logistic Regression, Radial Basis Function Classifier, Multinomial Naïve Bayes, and Logistic Model Tree for Flash Flood Susceptibility Mapping. *Water (Switzerland)*, **2020**, 12, 239	3	36
256	Global Solar Radiation Estimation and Climatic Variability Analysis Using Extreme Learning Machine Based Predictive Model. *IEEE Access*, **2020**, 8, 12026-12042	3.5	34
255	Extreme Learning Machine Based Prediction of Soil Shear Strength: A Sensitivity Analysis Using Monte Carlo Simulations and Feature Backward Elimination. *Sustainability*, **2020**, 12, 2339	3.6	33
254	Iran's Agriculture in the Anthropocene. *Earth's Future*, **2020**, 8, e2020EF001547	7.9	33

253	Prediction of Risk Delay in Construction Projects Using a Hybrid Artificial Intelligence Model. *Sustainability*, **2020**, 12, 1514	3.6	32
252	Prediction of evaporation in arid and semi-arid regions: a comparative study using different machine learning models. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 70-89	4.5	32
251	Combining GIS Applications and Method of Multi-Criteria Decision-Making (AHP) for Landfill Siting in Al-Hashimiyah Qadhaa, Babylon, Iraq. *Sustainability*, **2017**, 9, 1932	3.6	31
250	Hybridized Extreme Learning Machine Model with Salp Swarm Algorithm: A Novel Predictive Model for Hydrological Application. *Complexity*, **2020**, 2020, 1-14	1.6	30
249	Mapping of Groundwater Spring Potential in Karst Aquifer System Using Novel Ensemble Bivariate and Multivariate Models. *Water (Switzerland)*, **2020**, 12, 985	3	30
248	Viability of the advanced adaptive neuro-fuzzy inference system model on reservoir evaporation process simulation: case study of Nasser Lake in Egypt. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 878-891	4.5	30
247	Global Solar Radiation Prediction Using Hybrid Online Sequential Extreme Learning Machine Model. *Energies*, **2018**, 11, 3415	3.1	30
246	. *IEEE Access*, **2020**, 8, 51884-51904	3.5	29
245	Study of Biomass Bottom Ash Efficiency as Phosphate Sorbent Material. *Civil Engineering Journal (Iran)*, **2019**, 5, 2392-2401	5.2	29
244	Landslide Detection and Susceptibility Modeling on Cameron Highlands (Malaysia): A Comparison between Random Forest, Logistic Regression and Logistic Model Tree Algorithms. *Forests*, **2020**, 11, 830	2.8	29
243	Zoning map for drought prediction using integrated machine learning models with a nomadic people optimization algorithm. *Natural Hazards*, **2020**, 104, 537-579	3	29
242	Hydro-Politics of the Tigris and Euphrates Basins. *Engineering*, **2016**, 08, 140-172	0.4	28
241	GIS Based Novel Hybrid Computational Intelligence Models for Mapping Landslide Susceptibility: A Case Study at Da Lat City, Vietnam. *Sustainability*, **2019**, 11, 7118	3.6	28
240	Landfill sites selection using MCDM and comparing method of change detection for Babylon Governorate, Iraq. *Environmental Science and Pollution Research*, **2019**, 26, 35325-35339	5.1	27
239	Water quality assessment along Tigris River (Iraq) using water quality index (WQI) and GIS software. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	27
238	The optimal alternative for quantifying reference evapotranspiration in climatic sub-regions of Bangladesh. *Scientific Reports*, **2020**, 10, 20171	4.9	27
237	A comparison among fuzzy multi-criteria decision making, bivariate, multivariate and machine learning models in landslide susceptibility mapping. *Geomatics, Natural Hazards and Risk*, **2021**, 12, 1741-1777	3.6	26
236	Comparison of Support Vector Machine, Bayesian Logistic Regression, and Alternating Decision Tree Algorithms for Shallow Landslide Susceptibility Mapping along a Mountainous Road in the West of Iran. *Applied Sciences (Switzerland)*, **2020**, 10, 5047	2.6	25

235	Changes in Climatic Water Availability and Crop Water Demand for Iraq Region. *Sustainability*, **2020**, 12, 3437	3.6	24
234	Improvement of Credal Decision Trees Using Ensemble Frameworks for Groundwater Potential Modeling. *Sustainability*, **2020**, 12, 2622	3.6	24
233	Global solar radiation prediction over North Dakota using air temperature: Development of novel hybrid intelligence model. *Energy Reports*, **2021**, 7, 136-157	4.6	24
232	Jordan's Water Resources. *Water International*, **2005**, 30, 294-303	2.4	23
231	Sanitary landfill site selection by integrating AHP and FTOPSIS with GIS: a case study of Memari Municipality, India. *Environmental Science and Pollution Research*, **2021**, 28, 7528-7550	5.1	22
230	Estimation of SPEI Meteorological Drought Using Machine Learning Algorithms. *IEEE Access*, **2021**, 9, 65503-65523	3.5	22
229	Open Channel Sluice Gate Scouring Parameters Prediction: Different Scenarios of Dimensional and Non-Dimensional Input Parameters. *Water (Switzerland)*, **2019**, 11, 353	3	21
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227	Novel Ensemble Landslide Predictive Models Based on the Hyperpipes Algorithm: A Case Study in the Nam Dam Commune, Vietnam. *Applied Sciences (Switzerland)*, **2020**, 10, 3710	2.6	21
226	Hybridization of artificial intelligence models with nature inspired optimization algorithms for lake water level prediction and uncertainty analysis. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 2193-2208	6.1	21
225	Flood susceptibility mapping and assessment using a novel deep learning model combining multilayer perceptron and autoencoder neural networks. *Journal of Flood Risk Management*, **2021**, 14, e12683	3.1	21
224	Shallow Foundation Settlement Quantification: Application of Hybridized Adaptive Neuro-Fuzzy Inference System Model. *Advances in Civil Engineering*, **2020**, 2020, 1-14	1.3	20
223	Modeling the risk of groundwater contamination using modified DRASTIC and GIS in Amman-Zerqa Basin, Jordan. *Open Engineering*, **2014**, 4,	1.7	20
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221	Enhanced Artificial Neural Network with Harris Hawks Optimization for Predicting Scour Depth Downstream of Ski-Jump Spillway. *Applied Sciences (Switzerland)*, **2020**, 10, 5160	2.6	18
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219	Modification of Langmuir model for simulating initial pH and temperature effects on sorption process. *Separation Science and Technology*, **2020**, 55, 2729-2736	2.5	18
218	Monitoring and Assessment of Water Level Fluctuations of the Lake Urmia and Its Environmental Consequences Using Multitemporal Landsat 7 ETM Images. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	17

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216	Development of Bi-Langmuir model on the sorption of cadmium onto waste foundry sand: Effects of initial pH and temperature. *Environmental Engineering Research*, **2020**, 25, 677-684	3.6	17
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214	Landfill Site Selection by Weighted Overlay Technique: Case Study of Al-Kufa, Iraq. *Sustainability*, **2018**, 10, 999	3.6	16
213	Water Harvesting and Reservoir Optimization in Selected Areas of South Sinjar Mountain, Iraq. *Journal of Hydrologic Engineering - ASCE*, **2013**, 18, 1607-1616	1.8	16
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211	Synthesis of a Novel Composite Sorbent Coated with Siderite Nanoparticles and its Application for Remediation of Water Contaminated with Congo Red Dye. *International Journal of Environmental Research*, **2020**, 14, 177-191	2.9	16
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209	Forecasting standardized precipitation index using data intelligence models: regional investigation of Bangladesh. *Scientific Reports*, **2021**, 11, 3435	4.9	16
208	The Implementation of a Hybrid Model for Hilly Sub-Watershed Prioritization Using Morphometric Variables: Case Study in India. *Water (Switzerland)*, **2019**, 11, 1138	3	15
207	Sediment in Mosul Dam reservoir using the HEC-RAS model. *Lakes and Reservoirs: Research and Management*, **2016**, 21, 235-244	1.2	15
206	The Hybridization of Ensemble Empirical Mode Decomposition with Forecasting Models: Application of Short-Term Wind Speed and Power Modeling. *Energies*, **2020**, 13, 1666	3.1	14
205	A Newly Developed Integrative Bio-Inspired Artificial Intelligence Model for Wind Speed Prediction. *IEEE Access*, **2020**, 8, 83347-83358	3.5	14
204	Performance Evaluation of Sentinel-2 and Landsat 8 OLI Data for Land Cover/Use Classification Using a Comparison between Machine Learning Algorithms. *Remote Sensing*, **2021**, 13, 1349	5	14
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201	Development of Advanced Computer Aid Model for Shear Strength of Concrete Slender Beam Prediction. *Applied Sciences (Switzerland)*, **2020**, 10, 3811	2.6	13
200	A Hybrid Intelligence Approach to Enhance the Prediction Accuracy of Local Scour Depth at Complex Bridge Piers. *Sustainability*, **2020**, 12, 1063	3.6	13

199	Groundwater assessment of Halabja Saidsadiq Basin, Kurdistan region, NE of Iraq using vulnerability mapping. *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	13
198	Recent Trends and Long-Range Forecasts of Water Resources of Northeast Iraq and Climate Change Adaptation Measures. *Water (Switzerland)*, **2018**, 10, 1562	3	13
197	Determination and Assessment of the Toxic Heavy Metal Elements Abstracted from the Traditional Plant Cosmetics and Medical Remedies: Case Study of Libya. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	12
196	The Capacity of the Hybridizing Wavelet Transformation Approach With Data-Driven Models for Modeling Monthly-Scale Streamflow. *IEEE Access*, **2020**, 8, 101993-102006	3.5	12
195	Framework of Spatial Flood Risk Assessment for a Case Study in Quang Binh Province, Vietnam. *Sustainability*, **2020**, 12, 3058	3.6	12
194	Landfill Sites Selection Using Analytical Hierarchy Process and Ratio Scale Weighting: Case Study of Al-Mahawil, Babylon, Iraq. *Engineering*, **2017**, 09, 123-141	0.4	12
193	Modern Artificial Intelligence Model Development for Undergraduate Student Performance Prediction: An Investigation on Engineering Mathematics Courses. *IEEE Access*, **2020**, 8, 136697-136724	3.5	12
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189	Groundwater level prediction using machine learning models: A comprehensive review. *Neurocomputing*, **2022**, 489, 271-308	5.4	12
188	Watershed Sediment and Its Effect on Storage Capacity: Case Study of Dokan Dam Reservoir. *Water (Switzerland)*, **2018**, 10, 858	3	11
187	Evaluating Physical and Fiscal Water Leakage in Water Distribution System. *Water (Switzerland)*, **2019**, 11, 2091	3	11
186	Data-Driven Model for the Prediction of Total Dissolved Gas: Robust Artificial Intelligence Approach. *Advances in Civil Engineering*, **2020**, 2020, 1-20	1.3	11
185	Future Prospects for Macro Rainwater Harvesting (RWH) Technique in North East Iraq. *Journal of Water Resource and Protection*, **2014**, 06, 403-420	0.7	11
184	An Optimal Approach for Land-Use / Land-Cover Mapping by Integration and Fusion of Multispectral Landsat OLI Images: Case Study in Baghdad, Iraq. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	11
183	Flood Detection and Susceptibility Mapping Using Sentinel-1 Time Series, Alternating Decision Trees, and Bag-ADTree Models. *Complexity*, **2020**, 2020, 1-21	1.6	11
182	Experimental and Numerical Analysis for Earth-Fill Dam Seepage. *Sustainability*, **2020**, 12, 2490	3.6	11

181	Understanding temporary reduction in atmospheric pollution and its impacts on coastal aquatic system during COVID-19 lockdown: a case study of South Asia. *Geomatics, Natural Hazards and Risk*, **2021**, 12, 560-580	3.6	11
180	Evaluation and modification of some empirical and semi-empirical approaches for prediction of area-storage capacity curves in reservoirs of dams. *International Journal of Sediment Research*, **2017**, 32, 127-135	3	10
179	Soil and Groundwater Pollution Assessment and Delineation of Intensity Risk Map in Sulaymaniyah City, NE of Iraq. *Water (Switzerland)*, **2019**, 11, 2158	3	10
178	Present Status of Solid Waste Management at Babylon Governorate, Iraq. *Engineering*, **2015**, 07, 408-423	0.4	10
177	Assessment of Climate Change Impacts on Water Resources of Al-Adhaim, Iraq Using SWAT Model. *Engineering*, **2016**, 08, 716-732	0.4	10
176	Bearing Capacity Map for An-Najaf and Kufa Cities Using GIS. *Engineering*, **2018**, 10, 262-269	0.4	10
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174	Horizontal and Vertical Geotechnical Variations of Soils According to USCS Classification for the City of An-Najaf, Iraq Using GIS. *Geotechnical and Geological Engineering*, **2020**, 38, 1919-1938	1.5	10
173	Daily Water Level Prediction of Zrebar Lake (Iran): A Comparison between M5P, Random Forest, Random Tree and Reduced Error Pruning Trees Algorithms. *ISPRS International Journal of Geo-Information*, **2020**, 9, 479	2.9	10
172	Construction of functional data analysis modeling strategy for global solar radiation prediction: application of cross-station paradigm. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 1165-1181	4.5	10
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170	Development of an integrated peri-urban wetland degradation assessment approach for the Chatra Wetland in eastern India. *Scientific Reports*, **2021**, 11, 4470	4.9	10
169	Change Detection and Impact of Climate Changes to Iraqi Southern Marshes Using Landsat 2 MSS, Landsat 8 OLI and Sentinel 2 MSI Data and GIS Applications. *Applied Sciences (Switzerland)*, **2019**, 9, 2016	2.6	9
168	Comparison of Optimal Hedging Policies for Hydropower Reservoir System Operation. *Water (Switzerland)*, **2019**, 11, 121	3	9
167	Scouring Depth Assessment Downstream of Weirs Using Hybrid Intelligence Models. *Applied Sciences (Switzerland)*, **2020**, 10, 3714	2.6	9
166	Improving Voting Feature Intervals for Spatial Prediction of Landslides. *Mathematical Problems in Engineering*, **2020**, 2020, 1-15	1.1	9
165	An Enhanced Innovative Triangular Trend Analysis of Rainfall Based on a Spectral Approach. *Water (Switzerland)*, **2021**, 13, 727	3	9
164	FAO CROPWAT Model-Based Irrigation Requirements for Coconut to Improve Crop and Water Productivity in Kerala, India. *Sustainability*, **2019**, 11, 5132	3.6	8

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162	Designing a New Data Intelligence Model for Global Solar Radiation Prediction: Application of Multivariate Modeling Scheme. *Energies*, **2019**, 12, 1365	3.1	8
161	Evaluation of Water Quality Parameters in Marshes Zone Southern of Iraq Based on Remote Sensing and GIS Techniques. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	8
160	Monitoring and Assessment of Salinity and Chemicals in Agricultural Lands by a Remote Sensing Technique and Soil Moisture with Chemical Index Models. *Geosciences (Switzerland)*, **2020**, 10, 207	2.7	8
159	State-of-the Art-Powerhouse, Dam Structure, and Turbine Operation and Vibrations. *Sustainability*, **2020**, 12, 1676	3.6	8
158	Bathymetry and siltation rate for Dokan Reservoir, Iraq. *Lakes and Reservoirs: Research and Management*, **2017**, 22, 179-189	1.2	8
157	Suggested landfill sites for hazardous waste in Iraq. *Natural Science*, **2013**, 05, 463-477	0.5	8
156	Irrigation Induced Salinity and Sodicity Hazards on Soil and Groundwater: An Overview of Its Causes, Impacts and Mitigation Strategies. *Agriculture (Switzerland)*, **2021**, 11, 983	3	8
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151	Hydrogeochemical Evaluation of Groundwater and Its Suitability for Domestic Uses in Halabja Saidsadiq Basin, Iraq. *Water (Switzerland)*, **2019**, 11, 690	3	7
150	A Multi-Sensor Comparative Analysis on the Suitability of Generated DEM from Sentinel-1 SAR Interferometry Using Statistical and Hydrological Models. *Sensors*, **2020**, 20,	3.8	7
149	Assessment of the groundwater suitability for irrigation near Al Kufa City and preparing the final water quality maps using spatial distribution tools. *Environmental Earth Sciences*, **2020**, 79, 1	2.9	7
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147	Is Mosul Dam the Most Dangerous Dam in the World? Review of Previous Work and Possible Solutions. *Engineering*, **2017**, 09, 801-823	0.4	7
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145	Effects of Inter-Basin Water Transfer on Water Flow Condition of Destination Basin. *Sustainability*, **2020**, 12, 338	3.6	7
144	The Role of Geological Investigations for Dam Siting: Mosul Dam a Case Study. *Geotechnical and Geological Engineering*, **2020**, 38, 2085-2096	1.5	7
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142	Evaluation of Satellite Precipitation Products in Simulating Streamflow in a Humid Tropical Catchment of India Using a Semi-Distributed Hydrological Model. *Water (Switzerland)*, **2020**, 12, 2400	3	7
141	The Superiority of Data-Driven Techniques for Estimation of Daily Pan Evaporation. *Atmosphere*, **2021**, 12, 701	2.7	7
140	Application of bagging ensemble model for predicting compressive strength of hollow concrete masonry prism. *Ain Shams Engineering Journal*, **2021**,	4.4	7
139	A Comprehensive Review for Groundwater Contamination and Remediation: Occurrence, Migration and Adsorption Modelling. *Molecules*, **2021**, 26,	4.8	7
138	Quadratic Discriminant Analysis Based Ensemble Machine Learning Models for Groundwater Potential Modeling and Mapping. *Water Resources Management*,1	3.7	7
137	Estimation of Greenhouse Gases Emitted from Energy Industry (Oil Refining and Electricity Generation) in Iraq Using IPCC Methodology. *Atmosphere*, **2020**, 11, 662	2.7	6
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135	Sunshine duration measurements and predictions in Saharan Algeria region: an improved ensemble learning approach. *Theoretical and Applied Climatology*,1	3	6
134	Assessing the role of SuDS in resilience enhancement of urban drainage system: A case study of Gurugram City, India. *Urban Climate*, **2022**, 41, 101075	6.8	6
133	Al-Mseiab Qadaa Landfill Site Selection Using GIS and Multicriteria Decision Analysis. *Engineering*, **2014**, 06, 526-549	0.4	6
132	Underground Barrier Wall Evaluation for Controlling Saltwater Intrusion in Sloping Unconfined Coastal Aquifers. *Water (Switzerland)*, **2020**, 12, 2403	3	6
131	Estimation of Total Dissolved Solids in Water Bodies by Spectral Indices Case Study: Shatt al-Arab River. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	6
130	Minimizing the Impacts of Desertification in an Arid Region: A Case Study of the West Desert of Iraq. *Advances in Civil Engineering*, **2021**, 2021, 1-12	1.3	6
129	Evaluation of Water quality in the Tigris River within Baghdad, Iraq using Multivariate Statistical Techniques. *Journal of Physics: Conference Series*, **2019**, 1294, 072025	0.3	6
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122	Two Scenarios for Landfills Design in Special Conditions Using the HELP Model: A Case Study in Babylon Governorate, Iraq. *Sustainability*, **2018**, 10, 125	3.6	5
121	A Comparison Between Reconstruction Methods for Generation of Synthetic Time Series Applied to Wind Speed Simulation. *IEEE Access*, **2019**, 7, 135386-135398	3.5	5
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