

Amir Mosavi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

448
papers

8,397
citations

43
h-index

69
g-index

605
ext. papers

12,619
ext. citations

3.8
avg, IF

7.43
L-index

#	Paper	IF	Citations
448	Modeling the Price of Emergency Power Transmission Lines in the Reserve Market Due to the Influence of Renewable Energies. <i>Frontiers in Energy Research</i> , 2022 , 9,	3.8	3
447	A New Hybrid Cascaded Switched-Capacitor Reduced Switch Multilevel Inverter for Renewable Sources and Domestic Loads. <i>IEEE Access</i> , 2022 , 10, 14157-14183	3.5	3
446	Modeling of H2S solubility in ionic liquids using deep learning: A chemical structure-based approach. <i>Journal of Molecular Liquids</i> , 2022 , 351, 118418	6	0
445	A robust approach to pore pressure prediction applying petrophysical log data aided by machine learning techniques. <i>Energy Reports</i> , 2022 , 8, 2233-2247	4.6	4
444	Green Resources for Safety Improvement and Sustainable Landscape Design: The Case of a Dangerous Tehran-Dizin Road Bend. <i>Resources</i> , 2022 , 11, 19	3.7	1
443	SaaSRec+: a new context-aware recommendation method for SaaS services.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 1471-1495	2.1	
442	A comparison of the pulsating and steady jets on flow-induced vibrations and thermal behavior of a sprung cylinder inside an isothermal channel. <i>Case Studies in Thermal Engineering</i> , 2022 , 30, 101761	5.6	0
441	Feasibility of soft computing techniques for estimating the long-term mean monthly wind speed. <i>Energy Reports</i> , 2022 , 8, 638-648	4.6	6
440	Predicting formation damage of oil fields due to mineral scaling during water-flooding operations: Gradient boosting decision tree and cascade-forward back-propagation network. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 208, 109315	4.4	7
439	Deep Learning Applications for COVID-19: A Brief Review. <i>Lecture Notes in Networks and Systems</i> , 2022 , 117-130	0.5	0
438	Single-Image Reflection Removal Using Deep Learning: A Systematic Review. <i>IEEE Access</i> , 2022 , 10, 29937-29953	3.5	3
437	Modeling Interfacial Tension of N2/CO2 Mixture + n-Alkanes with Machine Learning Methods: Application to EOR in Conventional and Unconventional Reservoirs by Flue Gas Injection. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 252	2.4	0
436	Energetic thermo-physical analysis of MLP-RBF feed-forward neural network compared with RLS Fuzzy to predict CuO/liquid paraffin mixture properties. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022 , 16, 764-779	4.5	0
435	Modeling solubility of CO-N gas mixtures in aqueous electrolyte systems using artificial intelligence techniques and equations of state.. <i>Scientific Reports</i> , 2022 , 12, 3625	4.9	0
434	Large electromagnetic field enhancement in plasmonic nanoellipse for tunable spaser based applications.. <i>PLoS ONE</i> , 2022 , 17, e0263630	3.7	
433	Statistical Methods for Modeling the Compressive Strength of Geopolymer Mortar.. <i>Materials</i> , 2022 , 15,	3.5	3
432	Developing Robust Flood Susceptibility Model with Small Numbers of Parameters in Highly Fertile Regions of Northwest Bangladesh for Sustainable Flood and Agriculture Management. <i>Sustainability</i> , 2022 , 14, 3982	3.6	3

431	The behavior of sustainable self-compacting concrete reinforced with low-density waste Polyethylene fiber. <i>Materials Research Express</i> , 2022 , 9, 035501	1.7	2
430	A Multi-Agent Formalism Based on Contextual Defeasible Logic for Healthcare Systems.. <i>Frontiers in Public Health</i> , 2022 , 10, 849185	6	4
429	Integration of neural network and fuzzy logic decision making compared with bilayered neural network in the simulation of daily dew point temperature. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022 , 16, 713-723	4.5	1
428	Oil Family Typing Using a Hybrid Model of Self-Organizing Maps and Artificial Neural Networks.. <i>ACS Omega</i> , 2022 , 7, 11578-11586	3.9	
427	The current and future potential geographical distribution of <i>Nepeta crispa</i> Willd., an endemic, rare and threatened aromatic plant of Iran: Implications for ecological conservation and restoration. <i>Ecological Indicators</i> , 2022 , 137, 108752	5.8	2
426	An advanced computational intelligent framework to predict shear sonic velocity with application to mechanical rock classification.. <i>Scientific Reports</i> , 2022 , 12, 5579	4.9	0
425	Efficacy of applying discontinuous boundary condition on the heat transfer and entropy generation through a slip microchannel equipped with nanofluid. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022 , 16, 952-964	4.5	5
424	Toward predicting SO ₂ solubility in ionic liquids utilizing soft computing approaches and equations of state. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 133, 104220	5.3	0
423	A Wider Impedance Bandwidth Dual Filter Symmetrical MIMO Antenna for High-Speed Wideband Wireless Applications. <i>Symmetry</i> , 2022 , 14, 29	2.7	3
422	Modeling the efficacy of different anti-angiogenic drugs on treatment of solid tumors using 3D computational modeling and machine learning.. <i>Computers in Biology and Medicine</i> , 2022 , 146, 105511	7	1
421	Accurate discharge coefficient prediction of streamlined weirs by coupling linear regression and deep convolutional gated recurrent unit. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022 , 16, 965-976	4.5	1
420	Assessing the Impact of the Farakka Barrage on Hydrological Alteration in the Padma River with Future Insight. <i>Sustainability</i> , 2022 , 14, 5233	3.6	2
419	Analysing Process and Probability of Built-Up Expansion Using Machine Learning and Fuzzy Logic in English Bazar, West Bengal. <i>Remote Sensing</i> , 2022 , 14, 2349	5	4
418	Rainfall Prediction System Using Machine Learning Fusion for Smart Cities.. <i>Sensors</i> , 2022 , 22,	3.8	4
417	A TLBO-Tuned Neural Processor for Predicting Heating Load in Residential Buildings. <i>Sustainability</i> , 2022 , 14, 5924	3.6	0
416	Comparative Analysis of Machine Learning and Numerical Modeling for Combined Heat Transfer in Polymethylmethacrylate. <i>Polymers</i> , 2022 , 14, 1996	4.5	0
415	Histopathologic Oral Cancer Prediction Using Oral Squamous Cell Carcinoma Biopsy Empowered with Transfer Learning. <i>Sensors</i> , 2022 , 22, 3833	3.8	1
414	Machine Learning Assisted Structure-based Models for Predicting Electrical Conductivity of Ionic Liquids. <i>Journal of Molecular Liquids</i> , 2022 , 119509	6	1

413	Optimal Control of an Energy-Storage System in a Microgrid for Reducing Wind-Power Fluctuations. <i>Sustainability</i> , 2022 , 14, 6183	3.6	6
412	A Recommendation System Based on AI for Storing Block Data in the Electronic Health Repository.. <i>Frontiers in Public Health</i> , 2021 , 9, 831404	6	1
411	GSVMA: A Genetic Support Vector Machine ANOVA Method for CAD Diagnosis.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 760178	5.4	1
410	Compressive Strength of Sustainable Geopolymer Concrete Composites: A State-of-the-Art Review. <i>Sustainability</i> , 2021 , 13, 13502	3.6	22
409	Forecasting the discharge capacity of inflatable rubber dams using hybrid machine learning models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1761-1774	4.5	0
408	Modeling of nitrogen solubility in unsaturated, cyclic, and aromatic hydrocarbons: Deep learning methods and SAFT equation of state. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 131, 104124-104124	5.3	3
407	Reliability assessment of compressive and splitting tensile strength prediction of roller compacted concrete pavement: introducing MARS-GOA-MCS. <i>International Journal of Pavement Engineering</i> , 2021 , 1-18	2.6	4
406	Solar radiation estimation in different climates with meteorological variables using Bayesian model averaging and new soft computing models. <i>Energy Reports</i> , 2021 , 7, 8973-8996	4.6	4
405	Application of robust machine learning methods to modeling hydrogen solubility in hydrocarbon fuels. <i>International Journal of Hydrogen Energy</i> , 2021 , 47, 320-320	6.7	3
404	Streamflow prediction with large climate indices using several hybrid multilayer perceptrons and copula Bayesian model averaging. <i>Ecological Indicators</i> , 2021 , 133, 108285	5.8	12
403	Effect of magnetic field on heat transfer from a channel: Nanofluid flow and porous layer arrangement. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101675	5.6	3
402	A decomposition and multi-objective evolutionary optimization model for suspended sediment load prediction in rivers. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1811-1829	4.5	2
401	Designing a committee of machines for modeling viscosity of water-based nanofluids. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1967-1987	4.5	0
400	Intercept the Cloud Network From Brute Force and DDoS Attacks via Intrusion Detection and Prevention System. <i>IEEE Access</i> , 2021 , 9, 152300-152309	3.5	4
399	A Hybrid Deep Learning Technique for Personality Trait Classification From Text. <i>IEEE Access</i> , 2021 , 1-1	3.5	7
398	Optimized Type-2 Fuzzy Frequency Control for Multi-area Power Systems. <i>IEEE Access</i> , 2021 , 1-1	3.5	3
397	Recurrent Neural Network and Reinforcement Learning Model for COVID-19 Prediction. <i>Frontiers in Public Health</i> , 2021 , 9, 744100	6	13
396	Melting of non-Newtonian phase change material in a finned triple-tube: Efficacy of non-uniform magnetic field. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101543	5.6	2

395	Determining the contribution of environmental factors in controlling dust pollution during cold and warm months of western Iran using different data mining algorithms and game theory. <i>Ecological Indicators</i> , 2021 , 132, 108287	5.8	7
394	Modeling hydrogen solubility in alcohols using machine learning models and equations of state. <i>Journal of Molecular Liquids</i> , 2021 , 117807	6	1
393	Modeling of carbon dioxide solubility in ionic liquids based on group method of data handling. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 23-42	4.5	2
392	Numerical investigation of magnetic field on forced convection heat transfer and entropy generation in a microchannel with trapezoidal ribs. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1746-1760	4.5	4
391	Reliability-based design and implementation of crow search algorithm for longitudinal dispersion coefficient estimation in rivers. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 35971-35990	5.1	6
390	Synthesizing Multi-Layer Perceptron Network with Ant Lion Biogeography-Based Dragonfly Algorithm Evolutionary Strategy Invasive Weed and League Champion Optimization Hybrid Algorithms in Predicting Heating Load in Residential Buildings. <i>Sustainability</i> , 2021 , 13, 3198	3.6	13
389	Assessing Machine Learning versus a Mathematical Model to Estimate the Transverse Shear Stress Distribution in a Rectangular Channel. <i>Mathematics</i> , 2021 , 9, 596	2.3	1
388	Bio-Inspired Hybridization of Artificial Neural Networks: An Application for Mapping the Spatial Distribution of Soil Texture Fractions. <i>Remote Sensing</i> , 2021 , 13, 1025	5	11
387	Performance Evaluation of Soft Computing for Modeling the Strength Properties of Waste Substitute Green Concrete. <i>Sustainability</i> , 2021 , 13, 2867	3.6	14
386	Suggesting a Stochastic Fractal Search Paradigm in Combination with Artificial Neural Network for Early Prediction of Cooling Load in Residential Buildings. <i>Energies</i> , 2021 , 14, 1649	3.1	13
385	A Statistical Approach to Model the H-Index Based on the Total Number of Citations and the Duration from the Publishing of the First Article. <i>Complexity</i> , 2021 , 2021, 1-8	1.6	0
384	Double-Target Based Neural Networks in Predicting Energy Consumption in Residential Buildings. <i>Energies</i> , 2021 , 14, 1331	3.1	8
383	Prediction of Compressive Strength of Rice Husk Ash Concrete through Different Machine Learning Processes. <i>Crystals</i> , 2021 , 11, 352	2.3	8
382	The One-Way FSI Method Based on RANS-FEM for the Open Water Test of a Marine Propeller at the Different Loading Conditions. <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 351	2.4	2
381	Modeling Renewable Energy Systems by a Self-Evolving Nonlinear Consequent Part Recurrent Type-2 Fuzzy System for Power Prediction. <i>Sustainability</i> , 2021 , 13, 3301	3.6	11
380	Systematic Review of Life Cycle Assessment and Life Cycle Cost Analysis for Pavement and a Case Study. <i>Sustainability</i> , 2021 , 13, 4377	3.6	11
379	The Impact of Local Green Spaces of Historically and Culturally Valuable Residential Areas on Place Attachment. <i>Land</i> , 2021 , 10, 351	3.5	2
378	Deep Learning for Wave Energy Converter Modeling Using Long Short-Term Memory. <i>Mathematics</i> , 2021 , 9, 871	2.3	17

377	Mechanical and Fracture Parameters of Ultra-High Performance Fiber Reinforcement Concrete Cured via Steam and Water: Optimization of Binder Content. <i>Materials</i> , 2021 , 14,	3.5	6
376	Modeling Surface Water Quality Using the Adaptive Neuro-Fuzzy Inference System Aided by Input Optimization. <i>Sustainability</i> , 2021 , 13, 4576	3.6	11
375	Life Cycle Cost Analysis Comparison of Hot Mix Asphalt and Reclaimed Asphalt Pavement: A Case Study. <i>Sustainability</i> , 2021 , 13, 4411	3.6	10
374	Fuzzy clustering and distributed model for streamflow estimation in ungauged watersheds. <i>Scientific Reports</i> , 2021 , 11, 8243	4.9	7
373	A Novel Fractional-Order Multiple-Model Type-3 Fuzzy Control for Nonlinear Systems with Unmodeled Dynamics. <i>International Journal of Fuzzy Systems</i> , 2021 , 23, 1633	3.6	20
372	Art in Urban Spaces. <i>Sustainability</i> , 2021 , 13, 5597	3.6	1
371	Experimental Evaluation of Untreated and Pretreated Crumb Rubber Used in Concrete. <i>Crystals</i> , 2021 , 11, 558	2.3	5
370	The impact of the city skyline on pleasantness; state of the art and a case study. <i>Heliyon</i> , 2021 , 7, e07009,	3.6	4
369	Effect of Recycled Coarse Aggregate and Bagasse Ash on Two-Stage Concrete. <i>Crystals</i> , 2021 , 11, 556	2.3	2
368	Evaluation efficiency of hybrid deep learning algorithms with neural network decision tree and boosting methods for predicting groundwater potential. <i>Geocarto International</i> , 2021 , 1-21	2.7	18
367	Prediction of Food Production Using Machine Learning Algorithms of Multilayer Perceptron and ANFIS. <i>Agriculture (Switzerland)</i> , 2021 , 11, 408	3	22
366	Efficiency Assessment of an Amended Oscillating Water Column Using OpenFOAM. <i>Sustainability</i> , 2021 , 13, 5633	3.6	1
365	Analysis of the effect of roughness and concentration of Fe ₃ O ₄ /water nanofluid on the boiling heat transfer using the artificial neural network: An experimental and numerical study. <i>International Journal of Thermal Sciences</i> , 2021 , 163, 106863	4.1	15
364	Factor analysis approach to classify COVID-19 datasets in several regions. <i>Results in Physics</i> , 2021 , 25, 104071	3.7	10
363	Densely Connected Convolutional Networks (DenseNet) for Diagnosing Coronavirus Disease (COVID-19) from Chest X-ray Imaging 2021 ,		1
362	Finding the best station in Belgium to use residential-scale solar heating, One-year dynamic simulation with considering all system losses: Economic analysis of using ETSW. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101097	4.7	28
361	Deep learned recurrent type-3 fuzzy system: Application for renewable energy modeling/prediction. <i>Energy Reports</i> , 2021 , 7, 8115-8115	4.6	16
360	Introducing Copula as a Novel Statistical Method in Psychological Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	3

359	The Effect of Incorporating Industrials Wastewater on Durability and Long-Term Strength of Concrete. <i>Materials</i> , 2021 , 14,	3.5	1
358	Improving the spatial prediction of soil salinity in arid regions using wavelet transformation and support vector regression models. <i>Geoderma</i> , 2021 , 383, 114793	6.7	22
357	Fuzzy clustering to classify several time series models with fractional Brownian motion errors. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 1137-1145	6.1	14
356	Atomic interactions between rock substrate and water-sand mixture with and without graphene nanosheets via molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114610	6	3
355	Nonlinear model identification of dissimilar laser joining of S.S 304 and ABS using the HammersteinWiener method. <i>Optik</i> , 2021 , 225, 165649	2.5	5
354	Comparative study of multilayer perceptron-stochastic gradient descent and gradient boosted trees for predicting daily suspended sediment load: The case study of the Mississippi River, U.S.. <i>International Journal of Sediment Research</i> , 2021 , 36, 512-523	3	11
353	Predicting soil electrical conductivity using multi-layer perceptron integrated with grey wolf optimizer. <i>Journal of Geochemical Exploration</i> , 2021 , 220, 106639	3.8	6
352	Boiling of Argon flow in a microchannel by considering the spherical geometry for roughness barriers using molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114462	6	3
351	The high-performance light transmitting concrete and experimental analysis of using polymethylmethacrylate optical fibers in it. <i>Journal of Building Engineering</i> , 2021 , 38, 102076	5.2	5
350	Ensemble Boosting and Bagging Based Machine Learning Models for Groundwater Potential Prediction. <i>Water Resources Management</i> , 2021 , 35, 23-37	3.7	49
349	Analysis of entropy generation of ferrofluid flow in the microchannel with twisted porous ribs: The two-phase investigation with various porous layers. <i>Powder Technology</i> , 2021 , 380, 349-357	5.2	6
348	Susceptibility mapping of groundwater salinity using machine learning models. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 10804-10817	5.1	21
347	Toward mechanistic understanding of wettability alteration in calcite and dolomite rocks: The effects of resin, asphaltene, anionic surfactant, and hydrophilic nano particles. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114672	6	12
346	Prediction of Discharge Capacity of Labyrinth Weir with Gene Expression Programming. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 202-217	0.4	2
345	Effects of low-level hydroxy as a gaseous additive on performance and emission characteristics of a dual fuel diesel engine fueled by diesel/biodiesel blends. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 236-250	4.5	3
344	Hybrid model of support vector regression and fruitfly optimization algorithm for predicting ski-jump spillway scour geometry. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 272-291	4.5	5
343	The Implementation of Border Gateway Protocol Using Software-Defined Networks: A Systematic Literature Review. <i>IEEE Access</i> , 2021 , 9, 112596-112606	3.5	1
342	Evaluating the potential of offshore wind energy in the Gulf of Oman using the MENA-CORDEX wind speed data simulations. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 613-626	4.5	5

341	Fuzzy Logic Model to Assess Desertification Intensity Based on Vulnerability Indices. <i>Acta Polytechnica Hungarica</i> , 2021 , 18, 7-24	2.2	2
340	Role of gradients and vortexes on suitable location of discrete heat sources on a sinusoidal-wall microchannel. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1176-1190	4.5	6
339	SmartBlock-SDN: An Optimized Blockchain-SDN Framework for Resource Management in IoT. <i>IEEE Access</i> , 2021 , 9, 28361-28376	3.5	21
338	Design of Adaptive-Robust Controller for Multi-State Synchronization of Chaotic Systems with Unknown and Time-Varying Delays and Its Application in Secure Communication. <i>Sensors</i> , 2021 , 21,	3.8	7
337	Introducing an evolutionary-decomposition model for prediction of municipal solid waste flow: application of intrinsic time-scale decomposition algorithm. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1159-1175	4.5	1
336	Different scenarios of glycerin conversion to combustible products and their effects on compression ignition engine as fuel additive: a review. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1191-1228	4.5	1
335	A New Online Learned Interval Type-3 Fuzzy Control System for Solar Energy Management Systems. <i>IEEE Access</i> , 2021 , 9, 10498-10508	3.5	27
334	Driving factors behind the social role of retail centers on recreational activities. <i>Cogent Business and Management</i> , 2021 , 8, 1905218	1.6	
333	Studying the CH Crystals and Mechanical Properties of Sustainable Concrete Containing Recycled Coarse Aggregate with Used Nano-Silica. <i>Crystals</i> , 2021 , 11, 122	2.3	10
332	Detection and prediction of lake degradation using landscape metrics and remote sensing dataset. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 27283-27298	5.1	5
331	Using soft computing and machine learning algorithms to predict the discharge coefficient of curved labyrinth overflows. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1002-1015	4.5	2
330	A New Active Fault Tolerant Control System: Predictive Online Fault Estimation. <i>IEEE Access</i> , 2021 , 9, 118461-118471	3.5	0
329	Diffusion analysis with high and low concentration regions by the finite difference method, the adaptive network-based fuzzy inference system, and the bilayered neural network method. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1392-1399	4.5	
328	A Step towards Sustainable Self-Compacting Concrete by Using Partial Substitution of Wheat Straw Ash and Bentonite Clay Instead of Cement. <i>Sustainability</i> , 2021 , 13, 824	3.6	17
327	A water cycle-based error minimization technique in predicting the bearing capacity of shallow foundation. <i>Engineering With Computers</i> , 2021 , 1	4.5	5
326	Application of Gene Expression Programming (GEP) for the Prediction of Compressive Strength of Geopolymer Concrete. <i>Materials</i> , 2021 , 14,	3.5	26
325	Comparative analysis of kernel-based versus ANN and deep learning methods in monthly reference evapotranspiration estimation. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 603-618	5.5	16
324	Principal component analysis to study the relations between the spread rates of COVID-19 in high risks countries. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 457-464	6.1	41

323	The Effect of Marketing Investment on Firm Value and Systematic Risk. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2021 , 7, 64	3.7	1
322	An Innovative Metaheuristic Strategy for Solar Energy Management through a Neural Networks Framework. <i>Energies</i> , 2021 , 14, 1196	3.1	16
321	Testing the equality of several independent stationary and non-stationary time series models with fractional Brownian motion errors. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 1767-1775	6.1	1
320	Electrical Power Prediction through a Combination of Multilayer Perceptron with Water Cycle Ant Lion and Satin Bowerbird Searching Optimizers. <i>Sustainability</i> , 2021 , 13, 2336	3.6	15
319	Modeling surface tension of ionic liquids by chemical structure-intelligence based models. <i>Journal of Molecular Liquids</i> , 2021 , 342, 116961	6	7
318	Improving daily stochastic streamflow prediction: comparison of novel hybrid data-mining algorithms. <i>Hydrological Sciences Journal</i> , 2021 , 66, 1457-1474	3.5	7
317	Uncertainty Assessment of Entropy-Based Circular Channel Shear Stress Prediction Models Using a Novel Method. <i>Geosciences (Switzerland)</i> , 2021 , 11, 308	2.7	0
316	Preparation Methods for Graphene Metal and Polymer Based Composites for EMI Shielding Materials: State of the Art Review of the Conventional and Machine Learning Methods. <i>Metals</i> , 2021 , 11, 1164	2.3	4
315	Estimation of stress-strength reliability $R=P(X>Y)$ based on Weibull record data in the presence of inter-record times. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 2130-2130	6.1	0
314	Predicting the Parameters of Vortex Bladeless Wind Turbine Using Deep Learning Method of Long Short-Term Memory. <i>Energies</i> , 2021 , 14, 4867	3.1	7
313	Application of Analytical Hierarchy Process for Structural Health Monitoring and Prioritizing Concrete Bridges in Iran. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8060	2.6	4
312	Time series forecasting of new cases and new deaths rate for COVID-19 using deep learning methods. <i>Results in Physics</i> , 2021 , 27, 104495	3.7	18
311	Application of Taguchi method and response surface methodology into the removal of malachite green and auramine-O by NaX nanozeolites. <i>Scientific Reports</i> , 2021 , 11, 16054	4.9	12
310	Survey of Mechanical Properties of Geopolymer Concrete: A Comprehensive Review and Data Analysis. <i>Materials</i> , 2021 , 14,	3.5	13
309	Experimental study and modelling of asphaltene deposition on metal surfaces with superhydrophobic and low sliding angle inner coatings. <i>Scientific Reports</i> , 2021 , 11, 16812	4.9	2
308	A machine learning approach for active/reactive power control of grid-connected doubly-fed induction generators. <i>Ain Shams Engineering Journal</i> , 2021 , 13, 101564-101564	4.4	2
307	Graphene and Iron Reinforced Polymer Composite Electromagnetic Shielding Applications: A Review. <i>Polymers</i> , 2021 , 13,	4.5	12
306	Predicting the Degree of Dissolved Oxygen Using Three Types of Multi-Layer Perceptron-Based Artificial Neural Networks. <i>Sustainability</i> , 2021 , 13, 9898	3.6	17

305	Modeling hydrogen solubility in hydrocarbons using extreme gradient boosting and equations of state. <i>Scientific Reports</i> , 2021 , 11, 17911	4.9	18
304	Medical Image Interpolation Using Recurrent Type-2 Fuzzy Neural Network. <i>Frontiers in Neuroinformatics</i> , 2021 , 15, 667375	3.9	8
303	Crack propagation modeling of strengthening reinforced concrete deep beams with CFRP plates. <i>Materials Research Express</i> , 2021 , 8, 095502	1.7	
302	A novel approach to compare the spectral densities of some uncorrelated cyclostationary time series. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 4995-4995	6.1	
301	Modeling the Producibility of 3D Printing in Polylactic Acid Using Artificial Neural Networks and Fused Filament Fabrication. <i>Polymers</i> , 2021 , 13,	4.5	10
300	Application of cascade forward neural network and group method of data handling to modeling crude oil pyrolysis during thermal enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 205, 108836	4.4	19
299	Evaluating urban flood risk using hybrid method of TOPSIS and machine learning. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 66, 102614	4.5	11
298	Fabrication and characterization of Cesium-doped Tungstate nanorods for Near-Infrared light absorption in dye sensitized solar cells. <i>Results in Physics</i> , 2021 , 29, 104804	3.7	4
297	Mapping the spatial and temporal variability of flood hazard affected by climate and land-use changes in the future. <i>Journal of Environmental Management</i> , 2021 , 298, 113551	7.9	19
296	Effects of triethylene glycol mono methyl ether (TGME) as a novel oxygenated additive on emission and performance of a dual-fuel diesel engine fueled with natural gas-diesel/biodiesel. <i>Energy Reports</i> , 2021 , 7, 1172-1189	4.6	8
295	Applying different resampling strategies in machine learning models to predict head-cut gully erosion susceptibility. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 5813-5829	6.1	10
294	Numerical simulation of NEPCM series two-layer solidification process in a triple tube with porous fin. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101407	5.6	3
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