

# List of Publications by Year in descending order

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473  
papers

21,578  
citations

8172

76  
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24232

110  
g-index

531  
all docs

531  
docs citations

531  
times ranked

16478  
citing authors

#	ARTICLE	IF	CITATIONS
1	Service Level Agreement Monitoring as a Service: An Independent Monitoring Service for Service Level Agreements in Clouds. Big Data, 2023, 11, 339-354.	2.1	7
2	Blockchain-SDN-Based Energy-Aware and Distributed Secure Architecture for IoT in Smart Cities. IEEE Internet of Things Journal, 2022, 9, 3850-3864.	5.5	52
3	$\frac{R}{P} \times Y$	3.4	5
4	SDNâ€‘IoT empowered intelligent framework for industry 4.0 applications during COVID-19 pandemic. Cluster Computing, 2022, 25, 2351-2368.	3.5	60
5	A machine learning approach for active/reactive power control of grid-connected doubly-fed induction generators. Ain Shams Engineering Journal, 2022, 13, 101564.	3.5	34
6	Optimal Coordination of PSS and SSSC Controllers in Power System Using Ant Colony Optimization Algorithm. Journal of Circuits, Systems and Computers, 2022, 31, .	1.0	20
7	AI-empowered, blockchain and SDN integrated security architecture for IoT network of cyber physical systems. Computer Communications, 2022, 181, 274-283.	3.1	102
8	Reliability assessment of compressive and splitting tensile strength prediction of roller compacted concrete pavement: introducing MARS-GOA-MCS. International Journal of Pavement Engineering, 2022, 23, 5030-5047.	2.2	10
9	Comparison of machine learning techniques for predicting porosity of chalk. Journal of Petroleum Science and Engineering, 2022, 209, 109853.	2.1	10
10	CNN-KCL: Automatic myocarditis diagnosis using convolutional neural network combined with k-means clustering. Mathematical Biosciences and Engineering, 2022, 19, 2381-2402.	1.0	23
11	Feasibility of soft computing techniques for estimating the long-term mean monthly wind speed. Energy Reports, 2022, 8, 638-648.	2.5	27
12	A New Hybrid Cascaded Switched-Capacitor Reduced Switch Multilevel Inverter for Renewable Sources and Domestic Loads. IEEE Access, 2022, 10, 14157-14183.	2.6	18
13	Forecast of rainfall distribution based on fixed sliding window long short-term memory. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 248-261.	1.5	52
14	Estimation of solar radiation by joint application of phase space reconstruction and a hybrid neural network model. Theoretical and Applied Climatology, 2022, 147, 1725-1742.	1.3	6
15	Reinforcing Communication on the Internet of Aerial Vehicles. IEEE Transactions on Green Communications and Networking, 2022, 6, 1288-1297.	3.5	21
16	Smart Anti-Pinch Window Simulation Using H-/Hâˆž Criterion and MOPSO. Computers, Materials and Continua, 2022, 72, 215-226.	1.5	0
17	Evaluation of Time Series Models in Simulating Different Monthly Scales of Drought Index for Improving Their Forecast Accuracy. Frontiers in Earth Science, 2022, 10, .	0.8	19
18	Energetic thermo-physical analysis of MLP-RBF feed-forward neural network compared with RLS Fuzzy to predict CuO/liquid paraffin mixture properties. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 764-779.	1.5	7

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19	A Novel Approach for Estimation of Sediment Load in Dam Reservoir With Hybrid Intelligent Algorithms. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	13
20	A Multi-Agent Formalism Based on Contextual Defeasible Logic for Healthcare Systems. <i>Frontiers in Public Health</i> , 2022, 10, 849185.	1.3	10
21	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.	1.5	4
22	Oil Family Typing Using a Hybrid Model of Self-Organizing Maps and Artificial Neural Networks. <i>ACS Omega</i> , 2022, 7, 11578-11586.	1.6	1
23	Feasibility of Random Forest and Multivariate Adaptive Regression Splines for Predicting Long-Term Mean Monthly Dew Point Temperature. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	2
24	Decoding clinical biomarker space of COVID-19: Exploring matrix factorization-based feature selection methods. <i>Computers in Biology and Medicine</i> , 2022, 146, 105426.	3.9	45
25	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.	1.5	15
26	Permeability prediction of heterogeneous carbonate gas condensate reservoirs applying group method of data handling. <i>Marine and Petroleum Geology</i> , 2022, 139, 105597.	1.5	17
27	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.	1.5	23
28	Four-layer ConvNet to facial emotion recognition with minimal epochs and the significance of data diversity. <i>Scientific Reports</i> , 2022, 12, 6991.	1.6	29
29	Towards an integrative, spatially-explicit modeling for flash floods susceptibility mapping based on remote sensing and flood inventory data in Southern Caspian Sea Littoral, Iran. <i>Geocarto International</i> , 2022, 37, 12638-12668.	1.7	8
30	Using computational-intelligence algorithms and remote sensing data to optimize the locations of check dams to control sediment and runoff in Kandolus watershed, Mazandaran, Iran. <i>Geocarto International</i> , 2022, 37, 12966-12988.	1.7	6
31	Hybrid HCNN-KNN Model Enhances Age Estimation Accuracy in Orthopantomography. <i>Frontiers in Public Health</i> , 2022, 10, .	1.3	4
32	Robust computational approach to determine the safe mud weight window using well-log data from a large gas reservoir. <i>Marine and Petroleum Geology</i> , 2022, 142, 105772.	1.5	22
33	Assessment of Dynamic Swarm Heterogeneous Clustering in Cognitive Radio Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-15.	0.8	5
34	Incorporating multi-criteria decision-making and fuzzy-value functions for flood susceptibility assessment. <i>Geocarto International</i> , 2021, 36, 2345-2365.	1.7	55
35	An intelligent memory caching architecture for data-intensive multimedia applications. <i>Multimedia Tools and Applications</i> , 2021, 80, 16743-16761.	2.6	3
36	Optimization of energy consumption in wireless sensor networks using density-based clustering algorithm. <i>International Journal of Computers and Applications</i> , 2021, 43, 1-10.	0.8	15

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37	Exploring the RFID mutual authentication domain. International Journal of Computers and Applications, 2021, 43, 127-141.	0.8	3
38	LAAPS: an efficient file-based search in unstructured peer-to-peer networks using reinforcement algorithm. International Journal of Computers and Applications, 2021, 43, 62-69.	0.8	6
39	Improving the spatial prediction of soil salinity in arid regions using wavelet transformation and support vector regression models. Geoderma, 2021, 383, 114793.	2.3	58
40	Fuzzy clustering to classify several time series models with fractional Brownian motion errors. AEJ - Alexandria Engineering Journal, 2021, 60, 1137-1145.	3.4	20
41	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.. International Journal of Sediment Research, 2021, 36, 512-523.	1.8	26
42	Prediction of landslide susceptibility in Rudraprayag, India using novel ensemble of conditional probability and boosted regression tree-based on cross-validation method. Science of the Total Environment, 2021, 764, 142928.	3.9	64
43	Predicting soil electrical conductivity using multi-layer perceptron integrated with grey wolf optimizer. Journal of Geochemical Exploration, 2021, 220, 106639.	1.5	18
44	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. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 236-250.	1.5	6
45	Hybrid model of support vector regression and fruitfly optimization algorithm for predicting ski-jump spillway scour geometry. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 272-291.	1.5	17
46	VIRMOTIF: A User-Friendly Tool for Viral Sequence Analysis. Genes, 2021, 12, 186.	1.0	17
47	The Implementation of Border Gateway Protocol Using Software-Defined Networks: A Systematic Literature Review. IEEE Access, 2021, 9, 112596-112606.	2.6	7
48	Evaluating the potential of offshore wind energy in the Gulf of Oman using the MENA-CORDEX wind speed data simulations. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 613-626.	1.5	10
49	Role of gradients and vortexes on suitable location of discrete heat sources on a sinusoidal-wall microchannel. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1176-1190.	1.5	13
50	SmartBlock-SDN: An Optimized Blockchain-SDN Framework for Resource Management in IoT. IEEE Access, 2021, 9, 28361-28376.	2.6	87
51	An application of data visualization technique in Arabic literature and linguistics. Digital Scholarship in the Humanities, 2021, 36, 757-765.	0.4	1
52	Introducing an evolutionary-decomposition model for prediction of municipal solid waste flow: application of intrinsic time-scale decomposition algorithm. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1159-1175.	1.5	2
53	Different scenarios of glycerin conversion to combustible products and their effects on compression ignition engine as fuel additive: a review. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1191-1228.	1.5	3
54	The value co-creation behavior in learning communities: Comparing conventional learning and e-learning. Mathematical Biosciences and Engineering, 2021, 18, 7239-7268.	1.0	1

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55	A New Online Learned Interval Type-3 Fuzzy Control System for Solar Energy Management Systems. IEEE Access, 2021, 9, 10498-10508.	2.6	91
56	Optimal Location of FACTS Devices in Order to Simultaneously Improving Transmission Losses and Stability Margin Using Artificial Bee Colony Algorithm. IEEE Access, 2021, 9, 125920-125929.	2.6	18
57	Using soft computing and machine learning algorithms to predict the discharge coefficient of curved labyrinth overflows. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1002-1015.	1.5	15
58	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. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1392-1399.	1.5	0
59	Comparative analysis of kernel-based versus ANN and deep learning methods in monthly reference evapotranspiration estimation. Hydrology and Earth System Sciences, 2021, 25, 603-618.	1.9	48
60	Principal component analysis to study the relations between the spread rates of COVID-19 in high risks countries. AEJ - Alexandria Engineering Journal, 2021, 60, 457-464.	3.4	104
61	Testing the equality of several independent stationary and non-stationary time series models with fractional Brownian motion errors. AEJ - Alexandria Engineering Journal, 2021, 60, 1767-1775.	3.4	1
62	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. Complexity, 2021, 2021, 1-8.	0.9	1
63	A Novel Fractional-Order Multiple-Model Type-3 Fuzzy Control for Nonlinear Systems with Unmodeled Dynamics. International Journal of Fuzzy Systems, 2021, 23, 1633-1651.	2.3	70
64	A study on the use of UAV images to improve the separation accuracy of agricultural land areas. Computers and Electronics in Agriculture, 2021, 184, 106079.	3.7	18
65	Factor analysis approach to classify COVID-19 datasets in several regions. Results in Physics, 2021, 25, 104071.	2.0	19
66	Deep learned recurrent type-3 fuzzy system: Application for renewable energy modeling/prediction. Energy Reports, 2021, 7, 8115-8127.	2.5	70
67	Application of Taguchi method and response surface methodology into the removal of malachite green and auramine-O by NaX nanozeolites. Scientific Reports, 2021, 11, 16054.	1.6	48
68	Micro-mechanical damage diagnosis methodologies based on machine learning and deep learning models. Journal of Zhejiang University: Science A, 2021, 22, 585-608.	1.3	11
69	Predicting municipal solid waste using a coupled artificial neural network with archimedes optimisation algorithm and socioeconomic components. Journal of Cleaner Production, 2021, 315, 128039.	4.6	31
70	A novel approach to compare the spectral densities of some uncorrelated cyclostationary time series. AEJ - Alexandria Engineering Journal, 2021, 61, 4995-4995.	3.4	0
71	Applying different resampling strategies in machine learning models to predict head-cut gully erosion susceptibility. AEJ - Alexandria Engineering Journal, 2021, 60, 5813-5829.	3.4	34
72	DDSLA-RPL: Dynamic Decision System Based on Learning Automata in the RPL Protocol for Achieving QoS. IEEE Access, 2021, 9, 63131-63148.	2.6	3

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73	An integrated machine learning, noise suppression, and population-based algorithm to improve total dissolved solids prediction. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 251-271.	1.5	15
74	Groundwater level prediction in arid areas using wavelet analysis and Gaussian process regression. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1147-1158.	1.5	36
75	Optimization of performance and emission of compression ignition engine fueled with propylene glycol and biodieselâ€“diesel blends using artificial intelligence method of ANN-GA-RSM. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 413-425.	1.5	13
76	A deep bidirectional recurrent neural network for identification of SARS-CoV-2 from viral genome sequences. Mathematical Biosciences and Engineering, 2021, 18, 8933-8950.	1.0	21
77	Recurrent Neural Network and Reinforcement Learning Model for COVID-19 Prediction. Frontiers in Public Health, 2021, 9, 744100.	1.3	38
78	Evaluation of the accuracy of soft computing learning algorithms in performance prediction of tidal turbine. Energy Science and Engineering, 2021, 9, 633-644.	1.9	5
79	Modeling of carbon dioxide solubility in ionic liquids based on group method of data handling. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 23-42.	1.5	9
80	Study on IoT for SARS-CoV-2 with healthcare: present and future perspective. Mathematical Biosciences and Engineering, 2021, 18, 9697-9726.	1.0	13
81	Numerical investigation of magnetic field on forced convection heat transfer and entropy generation in a microchannel with trapezoidal ribs. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1746-1760.	1.5	15
82	Forecasting the discharge capacity of inflatable rubber dams using hybrid machine learning models. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1761-1774.	1.5	5
83	Solar radiation estimation in different climates with meteorological variables using Bayesian model averaging and new soft computing models. Energy Reports, 2021, 7, 8973-8996.	2.5	25
84	SaaSRec+: a new context-aware recommendation method for SaaS services. Mathematical Biosciences and Engineering, 2021, 19, 1471-1495.	1.0	1
85	A decomposition and multi-objective evolutionary optimization model for suspended sediment load prediction in rivers. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1811-1829.	1.5	15
86	Investigation on behaviors of acoustoelastic cavities using a novel reduced finite elementâ€“dual reciprocity boundary element formulation. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1885-1901.	1.5	2
87	Designing a committee of machines for modeling viscosity of water-based nanofluids. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1967-1987.	1.5	6
88	Subjective Answers Evaluation Using Machine Learning and Natural Language Processing. IEEE Access, 2021, 9, 158972-158983.	2.6	23
89	Intercept the Cloud Network From Brute Force and DDoS Attacks via Intrusion Detection and Prevention System. IEEE Access, 2021, 9, 152300-152309.	2.6	22
90	IoT and Wireless Sensor Networking-based Effluent Treatment Plant Monitoring System. Acta Polytechnica Hungarica, 2021, 18, 205-224.	2.5	25

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91	A Recommendation System Based on AI for Storing Block Data in the Electronic Health Repository. <i>Frontiers in Public Health</i> , 2021, 9, 831404.	1.3	10
92	The particle filter-based back propagation neural network for evapotranspiration estimation. <i>ISH Journal of Hydraulic Engineering</i> , 2020, 26, 267-272.	1.1	5
93	Spatial hazard assessment of the PM10 using machine learning models in Barcelona, Spain. <i>Science of the Total Environment</i> , 2020, 701, 134474.	3.9	91
94	Modeling natural gas compressibility factor using a hybrid group method of data handling. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 27-37.	1.5	20
95	Short-Term Hydrological Drought Forecasting Based on Different Nature-Inspired Optimization Algorithms Hybridized With Artificial Neural Networks. <i>IEEE Access</i> , 2020, 8, 15210-15222.	2.6	55
96	Integrated machine learning methods with resampling algorithms for flood susceptibility prediction. <i>Science of the Total Environment</i> , 2020, 705, 135983.	3.9	155
97	Flash-flood hazard assessment using ensembles and Bayesian-based machine learning models: Application of the simulated annealing feature selection method. <i>Science of the Total Environment</i> , 2020, 711, 135161.	3.9	215
98	Groundwater Quality Assessment for Sustainable Drinking and Irrigation. <i>Sustainability</i> , 2020, 12, 177.	1.6	104
99	Machine Learning for Modeling the Singular Multi-Pantograph Equations. <i>Entropy</i> , 2020, 22, 1041.	1.1	18
100	Fractional-Order Fuzzy Control Approach for Photovoltaic/Battery Systems under Unknown Dynamics, Variable Irradiation and Temperature. <i>Electronics (Switzerland)</i> , 2020, 9, 1455.	1.8	45
101	Evaluating the Efficiency of Different Regression, Decision Tree, and Bayesian Machine Learning Algorithms in Spatial Piping Erosion Susceptibility Using ALOS/PALSAR Data. <i>Land</i> , 2020, 9, 346.	1.2	11
102	Comprehensive Review of Deep Reinforcement Learning Methods and Applications in Economics. <i>Mathematics</i> , 2020, 8, 1640.	1.1	87
103	Calculating Filament Feed in the Fused Deposition Modeling Process to Correctly Print Continuous Fiber Composites in Curved Paths. <i>Materials</i> , 2020, 13, 4480.	1.3	18
104	Early Detection of the Advanced Persistent Threat Attack Using Performance Analysis of Deep Learning. <i>IEEE Access</i> , 2020, 8, 186125-186137.	2.6	46
105	A Model for Locating Tall Buildings through a Visual Analysis Approach. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6072.	1.3	7
106	Computational intelligence intrusion detection techniques in mobile cloud computing environments: Review, taxonomy, and open research issues. <i>Journal of Information Security and Applications</i> , 2020, 55, 102582.	1.8	69
107	PSDS—Proficient Security Over Distributed Storage: A Method for Data Transmission in Cloud. <i>IEEE Access</i> , 2020, 8, 118285-118298.	2.6	25
108	Machine Learning for Prediction of Energy in Wheat Production. <i>Agriculture (Switzerland)</i> , 2020, 10, 517.	1.4	22



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109	Social Capital Contributions to Food Security: A Comprehensive Literature Review. <i>Foods</i> , 2020, 9, 1650.	1.9	44
110	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020, 12, 3675.	1.8	59
111	Monthly streamflow prediction using a hybrid stochastic-deterministic approach for parsimonious non-linear time series modeling. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 1351-1372.	1.5	13
112	Training Multilayer Perceptron with Genetic Algorithms and Particle Swarm Optimization for Modeling Stock Price Index Prediction. <i>Entropy</i> , 2020, 22, 1239.	1.1	42
113	Comparative analysis of hybrid models of firefly optimization algorithm with support vector machines and multilayer perceptron for predicting soil temperature at different depths. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 939-953.	1.5	24
114	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. <i>Mathematics</i> , 2020, 8, 1799.	1.1	82
115	How parks provide thermal comfort perception in the metropolitan cores; a case study in Madrid Mediterranean climatic zone. <i>Climate Risk Management</i> , 2020, 30, 100245.	1.5	22
116	A Lightweight Genetic Based Algorithm for Data Security in Wireless Body Area Networks. <i>IEEE Access</i> , 2020, 8, 183460-183469.	2.6	25
117	Novel Ensemble Approach of Deep Learning Neural Network (DLNN) Model and Particle Swarm Optimization (PSO) Algorithm for Prediction of Gully Erosion Susceptibility. <i>Sensors</i> , 2020, 20, 5609.	2.1	106
118	Image Analysis Using Human Body Geometry and Size Proportion Science for Action Classification. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5453.	1.3	2
119	Derivation of Optimized Equations for Estimation of Dispersion Coefficient in Natural Streams Using Hybridized ANN With PSO and CSO Algorithms. <i>IEEE Access</i> , 2020, 8, 156582-156599.	2.6	22
120	Estimation of flexible pavement structural capacity using machine learning techniques. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 1083-1096.	1.2	33
121	Comparative Analysis of Machine Learning Models for Nanofluids Viscosity Assessment. <i>Nanomaterials</i> , 2020, 10, 1767.	1.9	24
122	Potential of kernel and tree-based machine-learning models for estimating missing data of rainfall. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 1078-1094.	1.5	21
123	Voltage Regulation for Photovoltaics-Battery-Fuel Systems Using Adaptive Group Method of Data Handling Neural Networks (GMDH-NN). <i>IEEE Access</i> , 2020, 8, 213748-213757.	2.6	15
124	Flash Flood Susceptibility Modeling Using New Approaches of Hybrid and Ensemble Tree-Based Machine Learning Algorithms. <i>Remote Sensing</i> , 2020, 12, 3568.	1.8	118
125	Implementation of Artificial Intelligence Based Ensemble Models for Gully Erosion Susceptibility Assessment. <i>Remote Sensing</i> , 2020, 12, 3620.	1.8	56
126	Combination of Group Method of Data Handling (GMDH) and Computational Fluid Dynamics (CFD) for Prediction of Velocity in Channel Intake. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7521.	1.3	20



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127	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. Remote Sensing, 2020, 12, 3423.	1.8	41
128	Comparative Analysis of Artificial Intelligence Models for Accurate Estimation of Groundwater Nitrate Concentration. Sensors, 2020, 20, 5763.	2.1	44
129	Performance-based service-level agreement in cloud computing to optimise penalties and revenue. IET Communications, 2020, 14, 1102-1112.	1.5	23
130	Wind speed prediction using a hybrid model of the multi-layer perceptron and whale optimization algorithm. Energy Reports, 2020, 6, 1147-1159.	2.5	112
131	Comparative Analysis of Recurrent Neural Network Architectures for Reservoir Inflow Forecasting. Water (Switzerland), 2020, 12, 1500.	1.2	157
132	Performance Evaluation of Deep Learning-Based Gated Recurrent Units (GRUs) and Tree-Based Models for Estimating ETo by Using Limited Meteorological Variables. Mathematics, 2020, 8, 972.	1.1	31
133	Evaluation of electrical efficiency of photovoltaic thermal solar collector. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 545-565.	1.5	75
134	Improvements in the Explicit Estimation of Pollutant Dispersion Coefficient in Rivers by Subset Selection of Maximum Dissimilarity Hybridized With ANFIS-Firefly Algorithm (FFA). IEEE Access, 2020, 8, 60314-60337.	2.6	13
135	Rigorous Connectionist Models to Predict Carbon Dioxide Solubility in Various Ionic Liquids. Applied Sciences (Switzerland), 2020, 10, 304.	1.3	25
136	A New K-Nearest Neighbors Classifier for Big Data Based on Efficient Data Pruning. Mathematics, 2020, 8, 286.	1.1	59
137	Particle swarm optimization model to predict scour depth around a bridge pier. Frontiers of Structural and Civil Engineering, 2020, 14, 855-866.	1.2	17
138	Prediction of significant wave height; comparison between nested grid numerical model, and machine learning models of artificial neural networks, extreme learning and support vector machines. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 805-817.	1.5	69
139	Effects of media, interpersonal communication and religious attitudes on HIV-related stigma in Tehran, Iran. Informatics in Medicine Unlocked, 2020, 18, 100291.	1.9	16
140	Prediction of flow characteristics in the bubble column reactor by the artificial pheromone-based communication of biological ants. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 367-378.	1.5	20
141	Modeling climate change impact on wind power resources using adaptive neuro-fuzzy inference system. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 491-506.	1.5	38
142	FCS-MBFLEACH: Designing an Energy-Aware Fault Detection System for Mobile Wireless Sensor Networks. Mathematics, 2020, 8, 28.	1.1	13
143	Extreme Learning Machine-Based Model for Solubility Estimation of Hydrocarbon Gases in Electrolyte Solutions. Processes, 2020, 8, 92.	1.3	23
144	Estimating longitudinal dispersion coefficient in natural streams using empirical models and machine learning algorithms. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 311-322.	1.5	66

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145	Quantitative Estimation of the Nutrient Uptake Requirements of Peanut. <i>Agronomy</i> , 2020, 10, 119.	1.3	12
146	An Enhanced Distributed Congestion Control Method for Classical 6LoWPAN Protocols Using Fuzzy Decision System. <i>IEEE Access</i> , 2020, 8, 20628-20645.	2.6	17
147	Coronary Artery Disease Diagnosis; Ranking the Significant Features Using a Random Trees Model. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 731.	1.2	89
148	Predicting Standardized Streamflow index for hydrological drought using machine learning models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 339-350.	1.5	171
149	Spatial Analysis of Seasonal Precipitation over Iran: Co-Variation with Climate Indices. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 73.	1.4	31
150	Projection of spatiotemporal variability of wave power in the Persian Gulf by the end of 21st century: GCM and CORDEX ensemble. <i>Journal of Cleaner Production</i> , 2020, 256, 120400.	4.6	11
151	Intelligent Road Inspection with Advanced Machine Learning; Hybrid Prediction Models for Smart Mobility and Transportation Maintenance Systems. <i>Energies</i> , 2020, 13, 1718.	1.6	36
152	Predictive Modeling the Free Hydraulic Jumps Pressure through Advanced Statistical Methods. <i>Mathematics</i> , 2020, 8, 323.	1.1	9
153	Optimal Type-3 Fuzzy System for Solving Singular Multi-Pantograph Equations. <i>IEEE Access</i> , 2020, 8, 225692-225702.	2.6	26
154	Resource-Aware Network Topology Management Framework. <i>Acta Polytechnica Hungarica</i> , 2020, 17, 89-101.	2.5	7
155	A Mobile Cloud-based eHealth Scheme. <i>Computers, Materials and Continua</i> , 2020, 62, 31-39.	1.5	5
156	Performance Evaluation Of Supervised Machine Learning Techniques For Efficient Detection Of Emotions From Online Content. <i>Computers, Materials and Continua</i> , 2020, 63, 1093-1118.	1.5	15
157	Applying ANN, ANFIS, and LSSVM Models for Estimation of Acid Solvent Solubility in Supercritical CO <sub>2</sub> . <i>Computers, Materials and Continua</i> , 2020, 63, 1175-1204.	1.5	14
158	Fuzzy-based Sentiment Analysis System for Analyzing Student Feedback and Satisfaction. <i>Computers, Materials and Continua</i> , 2020, 62, 631-655.	1.5	19
159	Modeling Pan Evaporation Using Gaussian Process Regression K-Nearest Neighbors Random Forest and Support Vector Machines; Comparative Analysis. <i>Atmosphere</i> , 2020, 11, 66.	1.0	101
160	Energy-Efficient Method for Wireless Sensor Networks Low-Power Radio Operation in Internet of Things. <i>Electronics (Switzerland)</i> , 2020, 9, 320.	1.8	31
161	A Hybrid clustering and classification technique for forecasting short-term energy consumption. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 66-76.	1.3	94
162	A Soft-Rough Set Based Approach for Handling Contextual Sparsity in Context-Aware Video Recommender Systems. <i>Mathematics</i> , 2019, 7, 740.	1.1	13

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