

Shahaboddin Shamshirband

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

359
papers

12,232
citations

58
h-index

86
g-index

478
ext. papers

15,763
ext. citations

4.3
avg, IF

7.28
L-index

#	Paper	IF	Citations
359	CNN-KCL: Automatic myocarditis diagnosis using convolutional neural network combined with k-means clustering.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 2381-2402	2.1	0
358	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	
357	Target-DBPPred: An intelligent model for prediction of DNA-binding proteins using discrete wavelet transform based compression and light eXtreme gradient boosting.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105533	7	1
356	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 , 105772	4.7	1
355	Comparison of machine learning techniques for predicting porosity of chalk. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 209, 109853	4.4	5
354	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
353	Game theory and evolutionary optimization approaches applied to resource allocation problems in computing environments: A survey. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 9190-9232	2.1	1
352	Evaluation of the accuracy of soft computing learning algorithms in performance prediction of tidal turbine. <i>Energy Science and Engineering</i> , 2021 , 9, 633-644	3.4	2
351	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
350	Study on IoT for SARS-CoV-2 with healthcare: present and future perspective. <i>Mathematical Biosciences and Engineering</i> , 2021 , 18, 9697-9726	2.1	1
349	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
348	Deep learned recurrent type-3 fuzzy system: Application for renewable energy modeling/prediction. <i>Energy Reports</i> , 2021 , 7, 8115-8115	4.6	16
347	An intelligent memory caching architecture for data-intensive multimedia applications. <i>Multimedia Tools and Applications</i> , 2021 , 80, 16743-16761	2.5	1
346	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	7
345	Exploring the RFID mutual authentication domain. <i>International Journal of Computers and Applications</i> , 2021 , 43, 127-141	0.8	1
344	LAAPS: an efficient file-based search in unstructured peer-to-peer networks using reinforcement algorithm. <i>International Journal of Computers and Applications</i> , 2021 , 43, 62-69	0.8	4
343	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

342	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
341	A review on deep learning approaches in healthcare systems: Taxonomies, challenges, and open issues. <i>Journal of Biomedical Informatics</i> , 2021 , 113, 103627	10.2	41
340	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
339	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
338	. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	13
337	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
336	SmartBlock-SDN: An Optimized Blockchain-SDN Framework for Resource Management in IoT. <i>IEEE Access</i> , 2021 , 9, 28361-28376	3.5	21
335	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
334	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
333	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	
332	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
331	SDN-IoT empowered intelligent framework for industry 4.0 applications during COVID-19 pandemic. <i>Cluster Computing</i> , 2021 , 1-18	2.1	20
330	An integrated machine learning, noise suppression, and population-based algorithm to improve total dissolved solids prediction. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 251-271	4.5	4
329	Groundwater level prediction in arid areas using wavelet analysis and Gaussian process regression. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1147-1158	4.5	11
328	Optimization of performance and emission of compression ignition engine fueled with propylene glycol and biodiesel/diesel blends using artificial intelligence method of ANN-GA-RSM. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 413-425	4.5	5
327	Flash Flood Susceptibility Modeling Using New Approaches of Hybrid and Ensemble Tree-Based Machine Learning Algorithms. <i>Remote Sensing</i> , 2020 , 12, 3568	5	42
326	Implementation of Artificial Intelligence Based Ensemble Models for Gully Erosion Susceptibility Assessment. <i>Remote Sensing</i> , 2020 , 12, 3620	5	30
325	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	2.6	5

324	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. <i>Remote Sensing</i> , 2020 , 12, 3423	5	15
323	Comparative Analysis of Artificial Intelligence Models for Accurate Estimation of Groundwater Nitrate Concentration. <i>Sensors</i> , 2020 , 20,	3.8	18
322	Performance-based service-level agreement in cloud computing to optimise penalties and revenue. <i>IET Communications</i> , 2020 , 14, 1102-1112	1.3	11
321	Wind speed prediction using a hybrid model of the multi-layer perceptron and whale optimization algorithm. <i>Energy Reports</i> , 2020 , 6, 1147-1159	4.6	56
320	Comparative Analysis of Recurrent Neural Network Architectures for Reservoir Inflow Forecasting. <i>Water (Switzerland)</i> , 2020 , 12, 1500	3	64
319	Performance Evaluation of Deep Learning-Based Gated Recurrent Units (GRUs) and Tree-Based Models for Estimating ET _o by Using Limited Meteorological Variables. <i>Mathematics</i> , 2020 , 8, 972	2.3	16
318	Evaluation of electrical efficiency of photovoltaic thermal solar collector. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 545-565	4.5	42
317	Improvements in the Explicit Estimation of Pollutant Dispersion Coefficient in Rivers by Subset Selection of Maximum Dissimilarity Hybridized With ANFIS-Firefly Algorithm (FFA). <i>IEEE Access</i> , 2020 , 8, 60314-60337	3.5	9
316	Rigorous Connectionist Models to Predict Carbon Dioxide Solubility in Various Ionic Liquids. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 304	2.6	15
315	A New K-Nearest Neighbors Classifier for Big Data Based on Efficient Data Pruning. <i>Mathematics</i> , 2020 , 8, 286	2.3	25
314	Particle swarm optimization model to predict scour depth around a bridge pier. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 855-866	2.5	11
313	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. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 805-817	4.5	26
312	Prediction of flow characteristics in the bubble column reactor by the artificial pheromone-based communication of biological ants. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 367-378	4.5	15
311	Modeling climate change impact on wind power resources using adaptive neuro-fuzzy inference system. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 491-506	4.5	16
310	FCS-MBFLEACH: Designing an Energy-Aware Fault Detection System for Mobile Wireless Sensor Networks. <i>Mathematics</i> , 2020 , 8, 28	2.3	11
309	Extreme Learning Machine-Based Model for Solubility Estimation of Hydrocarbon Gases in Electrolyte Solutions. <i>Processes</i> , 2020 , 8, 92	2.9	14
308	Estimating longitudinal dispersion coefficient in natural streams using empirical models and machine learning algorithms. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 311-322	4.5	45
307	An Enhanced Distributed Congestion Control Method for Classical 6LoWPAN Protocols Using Fuzzy Decision System. <i>IEEE Access</i> , 2020 , 8, 20628-20645	3.5	9

306	A Combined Method of Image Processing and Artificial Neural Network for the Identification of 13 Iranian Rice Cultivars. <i>Agronomy</i> , 2020 , 10, 117	3.6	15
305	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,	4.6	43
304	Predicting Standardized Streamflow index for hydrological drought using machine learning models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 339-350	4.5	88
303	Spatial Analysis of Seasonal Precipitation over Iran: Co-Variation with Climate Indices. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 73	2.9	18
302	Finding rising stars in bibliometric networks. <i>Scientometrics</i> , 2020 , 124, 633-661	3	5
301	Deep Learning for Stock Market Prediction 2020 ,		5
300	Modeling Pan Evaporation Using Gaussian Process Regression K-Nearest Neighbors Random Forest and Support Vector Machines; Comparative Analysis. <i>Atmosphere</i> , 2020 , 11, 66	2.7	48
299	Energy-Efficient Method for Wireless Sensor Networks Low-Power Radio Operation in Internet of Things. <i>Electronics (Switzerland)</i> , 2020 , 9, 320	2.6	15
298	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	4.5	14
297	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	3.5	22
296	Integrated machine learning methods with resampling algorithms for flood susceptibility prediction. <i>Science of the Total Environment</i> , 2020 , 705, 135983	10.2	79
295	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	10.2	110
294	Groundwater Quality Assessment for Sustainable Drinking and Irrigation. <i>Sustainability</i> , 2020 , 12, 177	3.6	45
293	Machine Learning for Modeling the Singular Multi-Pantograph Equations. <i>Entropy</i> , 2020 , 22,	2.8	5
292	Fractional-Order Fuzzy Control Approach for Photovoltaic/Battery Systems under Unknown Dynamics, Variable Irradiation and Temperature. <i>Electronics (Switzerland)</i> , 2020 , 9, 1455	2.6	20
291	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	3.5	4
290	Comprehensive Review of Deep Reinforcement Learning Methods and Applications in Economics. <i>Mathematics</i> , 2020 , 8, 1640	2.3	26
289	Calculating Filament Feed in the Fused Deposition Modeling Process to Correctly Print Continuous Fiber Composites in Curved Paths. <i>Materials</i> , 2020 , 13,	3.5	7

288	A Model for Locating Tall Buildings through a Visual Analysis Approach. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6072	2.6	5
287	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	3.5	25
286	. <i>IEEE Access</i> , 2020 , 8, 118285-118298	3.5	12
285	Estimating CO2-Brine diffusivity using hybrid models of ANFIS and evolutionary algorithms. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 818-834	4.5	6
284	Machine Learning for Prediction of Energy in Wheat Production. <i>Agriculture (Switzerland)</i> , 2020 , 10, 5173		11
283	Social Capital Contributions to Food Security: A Comprehensive Literature Review. <i>Foods</i> , 2020 , 9,	4.9	16
282	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. <i>Remote Sensing</i> , 2020 , 12, 3675	5	34
281	Smart Structural Health Monitoring of Flexible Pavements Using Machine Learning Methods. <i>Coatings</i> , 2020 , 10, 1100	2.9	7
280	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	4.5	7
279	Training Multilayer Perceptron with Genetic Algorithms and Particle Swarm Optimization for Modeling Stock Price Index Prediction. <i>Entropy</i> , 2020 , 22,	2.8	18
278	DistBlockBuilding: A Distributed Blockchain-Based SDN-IoT Network for Smart Building Management. <i>IEEE Access</i> , 2020 , 8, 140008-140018	3.5	25
277	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	4.5	15
276	Deep Learning for Stock Market Prediction. <i>Entropy</i> , 2020 , 22,	2.8	73
275	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. <i>Mathematics</i> , 2020 , 8, 1799	2.3	37
274	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	4.6	14
273	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,	3.8	55
272	Image Analysis Using Human Body Geometry and Size Proportion Science for Action Classification. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5453	2.6	0
271	Dimension Reduction of Machine Learning-Based Forecasting Models Employing Principal Component Analysis. <i>Mathematics</i> , 2020 , 8, 1233	2.3	5

270	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	3.5	11
269	Estimation of flexible pavement structural capacity using machine learning techniques. <i>Frontiers of Structural and Civil Engineering</i> , 2020 , 14, 1083-1096	2.5	13
268	Comparative Analysis of Machine Learning Models for Nanofluids Viscosity Assessment. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
267	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	4.5	8
266	Predicting Stock Market Trends Using Machine Learning and Deep Learning Algorithms Via Continuous and Binary Data; a Comparative Analysis. <i>IEEE Access</i> , 2020 , 8, 150199-150212	3.5	64
265	The particle filter-based back propagation neural network for evapotranspiration estimation. <i>ISH Journal of Hydraulic Engineering</i> , 2020 , 26, 267-272	1.5	3
264	Spatial hazard assessment of the PM10 using machine learning models in Barcelona, Spain. <i>Science of the Total Environment</i> , 2020 , 701, 134474	10.2	58
263	Intelligent Road Inspection with Advanced Machine Learning; Hybrid Prediction Models for Smart Mobility and Transportation Maintenance Systems. <i>Energies</i> , 2020 , 13, 1718	3.1	17
262	Predictive Modeling the Free Hydraulic Jumps Pressure through Advanced Statistical Methods. <i>Mathematics</i> , 2020 , 8, 323	2.3	2
261	A Deep Learning Ensemble Approach for Diabetic Retinopathy Detection. <i>IEEE Access</i> , 2019 , 7, 150530-150539	5.9	112
260	Aeromechanical optimization of first row compressor test stand blades using a hybrid machine learning model of genetic algorithm, artificial neural networks and design of experiments. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 892-904	4.5	41
259	Spent mushroom compost (SMC) as a source for biogas production in Iran. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 967-982	4.5	7
258	Flutter speed estimation using presented differential quadrature method formulation. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 804-810	4.5	39
257	Modeling temperature dependency of oil - water relative permeability in thermal enhanced oil recovery processes using group method of data handling and gene expression programming. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 724-743	4.5	21
256	Limiting factors for biogas production from cow manure: energo-environmental approach. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 954-966	4.5	10
255	Earth fissure hazard prediction using machine learning models. <i>Environmental Research</i> , 2019 , 179, 108770	7.0	37
254	Applying the remotely sensed data to identify homogeneous regions of watersheds using a pixel-based classification approach. <i>Applied Geography</i> , 2019 , 111, 102071	4.4	8
253	Support Vector Regression Integrated with Fruit Fly Optimization Algorithm for River Flow Forecasting in Lake Urmia Basin. <i>Water (Switzerland)</i> , 2019 , 11, 1934	3	27

252	Prediction of Hydropower Generation Using Grey Wolf Optimization Adaptive Neuro-Fuzzy Inference System. <i>Energies</i> , 2019 , 12, 289	3.1	99
251	Modeling temperature-based oil-water relative permeability by integrating advanced intelligent models with grey wolf optimization: Application to thermal enhanced oil recovery processes. <i>Fuel</i> , 2019 , 242, 649-663	7.1	39
250	Predicting solubility of CO ₂ in brine by advanced machine learning systems: Application to carbon capture and sequestration. <i>Journal of CO₂ Utilization</i> , 2019 , 33, 83-95	7.6	34
249	Current Status Investigation and Predicting Carbon Dioxide Emission in Latin American Countries by Connectionist Models. <i>Energies</i> , 2019 , 12, 1916	3.1	16
248	Prediction of multi-inputs bubble column reactor using a novel hybrid model of computational fluid dynamics and machine learning. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 482-492	4.5	77
247	Comparative analysis of soft computing techniques RBF, MLP, and ANFIS with MLR and MNLR for predicting grade-control scour hole geometry. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 529-550	4.5	29
246	Streamflow regionalization using a similarity approach in ungauged basins: Application of the geo-environmental signatures in the Karkheh River Basin, Iran. <i>Catena</i> , 2019 , 182, 104128	5.8	28
245	A Novel Detection Algorithm to Identify False Data Injection Attacks on Power System State Estimation. <i>Energies</i> , 2019 , 12, 2209	3.1	25
244	Estimating Daily Dew Point Temperature Using Machine Learning Algorithms. <i>Water (Switzerland)</i> , 2019 , 11, 582	3	38
243	Review of Soft Computing Models in Design and Control of Rotating Electrical Machines. <i>Energies</i> , 2019 , 12, 1049	3.1	27
242	Numerical simulation of nanofluid flow inside a root canal. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 254-264	4.5	85
241	Computational Intelligence on Short-Term Load Forecasting: A Methodological Overview. <i>Energies</i> , 2019 , 12, 393	3.1	48
240	Sustainable Business Models: A Review. <i>Sustainability</i> , 2019 , 11, 1663	3.6	145
239	State of the Art of Machine Learning Models in Energy Systems, a Systematic Review. <i>Energies</i> , 2019 , 12, 1301	3.1	156
238	A Hybrid clustering and classification technique for forecasting short-term energy consumption. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 66-76	2.5	45
237	A Soft-Rough Set Based Approach for Handling Contextual Sparsity in Context-Aware Video Recommender Systems. <i>Mathematics</i> , 2019 , 7, 740	2.3	10
236	Numerical simulation of pressure pulsation effects of a snubber in a CNG station for increasing measurement accuracy. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 642-663	4.5	26
235	A novel bias correction framework of TMPA 3B42 daily precipitation data using similarity matrix/homogeneous conditions. <i>Science of the Total Environment</i> , 2019 , 694, 133680	10.2	9

234	Design and Validation of a Computational Program for Analysing Mental Maps: Aram Mental Map Analyzer. <i>Sustainability</i> , 2019 , 11, 3790	3.6	22
233	Investigation of submerged structures flexibility on sloshing frequency using a boundary element method and finite element analysis. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 519-528	4.5	63
232	An Enhanced Distributed Data Aggregation Method in the Internet of Things. <i>Sensors</i> , 2019 , 19,	3.8	25
231	Software-Defined Cloud Computing: A Systematic Review on Latest Trends and Developments. <i>IEEE Access</i> , 2019 , 7, 93294-93314	3.5	23
230	On the estimation of higher heating value of municipal wastes using soft computing approaches. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-9	1.6	5
229	Snow avalanche hazard prediction using machine learning methods. <i>Journal of Hydrology</i> , 2019 , 577, 123929	6	62
228	Computer-aided decision-making for predicting liver disease using PSO-based optimized SVM with feature selection. <i>Informatics in Medicine Unlocked</i> , 2019 , 17, 100255	5.3	28
227	Thermodynamic Assessment and Multi-Objective Optimization of Performance of Irreversible Dual-Miller Cycle. <i>Energies</i> , 2019 , 12, 4000	3.1	9
226	Securing IoT-Based RFID Systems: A Robust Authentication Protocol Using Symmetric Cryptography. <i>Sensors</i> , 2019 , 19,	3.8	51
225	Developing a mathematical framework in preliminary designing of detention rockfill dams for flood peak reduction. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 1119-1129	4.5	4
224	A Survey of Deep Learning Techniques: Application in Wind and Solar Energy Resources. <i>IEEE Access</i> , 2019 , 7, 164650-164666	3.5	115
223	Developing a Data Mining Based Model to Extract Predictor Factors in Energy Systems: Application of Global Natural Gas Demand. <i>Energies</i> , 2019 , 12, 4124	3.1	9
222	Developing an ANFIS-PSO Model to Predict Mercury Emissions in Combustion Flue Gases. <i>Mathematics</i> , 2019 , 7, 965	2.3	28
221	Reputation-Based Approach Toward Web Content Credibility Analysis. <i>IEEE Access</i> , 2019 , 7, 139957-139969	3.9	6
220	Optimization Algorithm for Reduction the Size of Dixon Resultant Matrix: A Case Study on Mechanical Application. <i>Computers, Materials and Continua</i> , 2019 , 58, 567-583	3.9	3
219	Optimising infrastructure as a service provider revenue through customer satisfaction and efficient resource provisioning in cloud computing. <i>IET Communications</i> , 2019 , 13, 2913-2922	1.3	8
218	Moisture Estimation in Cabinet Dryers with Thin-Layer Relationships Using a Genetic Algorithm and Neural Network. <i>Mathematics</i> , 2019 , 7, 1042	2.3	5
217	Hydrocarbons density estimates for a wide range of conditions using RBF-ANN and ANFIS strategies. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-9	1.6	1

216	Incorporating multi-criteria decision-making and fuzzy-value functions for flood susceptibility assessment. <i>Geocarto International</i> , 2019 , 1-21	2.7	34
215	Comparative Analysis of Machine Learning Models for Prediction of Remaining Service Life of Flexible Pavement. <i>Mathematics</i> , 2019 , 7, 1198	2.3	14
214	Multi-objective approach of energy efficient workflow scheduling in cloud environments. <i>Concurrency Computation Practice and Experience</i> , 2019 , 31, e4949	1.4	17
213	Ensemble models with uncertainty analysis for multi-day ahead forecasting of chlorophyll a concentration in coastal waters. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 91-101	4.5	118
212	Smart models for predicting under-saturated crude oil viscosity: a comparative study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 41, 2326-2333	1.6	3
211	River flow prediction using hybrid PSO-GSA algorithm based on feed-forward neural network. <i>Soft Computing</i> , 2019 , 23, 10429-10438	3.5	38
210	Fuzzy logic method for the prediction of cetane number using carbon number, double bounds, iodine, and saponification values of biodiesel fuels. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 584-599	2.5	14
209	Prediction of remaining service life of pavement using an optimized support vector machine (case study of Semnan-Biruzkuh road). <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 188-198	4.5	40
208	Modeling monthly pan evaporation using wavelet support vector regression and wavelet artificial neural networks in arid and humid climates. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 177-187	4.5	55
207	Daily global solar radiation modeling using data-driven techniques and empirical equations in a semi-arid climate. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 142-157	4.5	33
206	Using multi-attribute decision-making approaches in the selection of a hospital management system. <i>Technology and Health Care</i> , 2018 , 26, 279-295	1.1	6
205	Toward generalized models for estimating molecular weights and acentric factors of pure chemical compounds. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 2699-2717	6.7	18
204	Computational intelligence approach for modeling hydrogen production: a review. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2018 , 12, 438-458	4.5	124
203	Survey of computational intelligence as basis to big flood management: challenges, research directions and future work. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2018 , 12, 411-437	4.5	213
202	Rigorous prognostication of natural gas viscosity: Smart modeling and comparative study. <i>Fuel</i> , 2018 , 222, 766-778	7.1	34
201	Modeling interfacial tension in N ₂ /n-alkane systems using corresponding state theory: Application to gas injection processes. <i>Fuel</i> , 2018 , 222, 779-791	7.1	34
200	Predicting discharge coefficient of triangular labyrinth weir using extreme learning machine, artificial neural network and genetic programming. <i>Neural Computing and Applications</i> , 2018 , 29, 983-989	4.8	31
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