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List of Publications by Year in Descending Order

381 papers	12,262 citations	57 h-index	84 g-index
422 ext. papers	15,872 ext. citations	4.6 avg, IF	7.29 L-index

#	Paper	IF	Citations
381	A New Hybrid Cascaded Switched-Capacitor Reduced Switch Multilevel Inverter for Renewable Sources and Domestic Loads. *IEEE Access*, **2022**, 10, 14157-14183	3.5	3
380	A Comprehensive Review of Computing Paradigms, Enabling Computation Offloading and Task Execution in Vehicular Networks. *IEEE Access*, **2022**, 10, 3580-3600	3.5	3
379	Forecast of rainfall distribution based on fixed sliding window long short-term memory. *Engineering Applications of Computational Fluid Mechanics*, **2022**, 16, 248-261	4.5	9
378	Four-layer ConvNet to facial emotion recognition with minimal epochs and the significance of data diversity.. *Scientific Reports*, **2022**, 12, 6991	4.9	2
377	Robust computational approach to determine the safe mud weight window using well-log data from a large gas reservoir. *Marine and Petroleum Geology*, **2022**, 105772	4.7	1
376	Reliability assessment of compressive and splitting tensile strength prediction of roller compacted concrete pavement: introducing MARS-GOA-MCS. *International Journal of Pavement Engineering*, **2021**, 1-18	2.6	4
375	Solar radiation estimation in different climates with meteorological variables using Bayesian model averaging and new soft computing models. *Energy Reports*, **2021**, 7, 8973-8996	4.6	4
374	Comparison of machine learning techniques for predicting porosity of chalk. *Journal of Petroleum Science and Engineering*, **2021**, 209, 109853	4.4	5
373	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	4.5	2
372	Subjective Answers Evaluation Using Machine Learning and Natural Language Processing. *IEEE Access*, **2021**, 9, 158972-158983	3.5	7
371	Intercept the Cloud Network From Brute Force and DDoS Attacks via Intrusion Detection and Prevention System. *IEEE Access*, **2021**, 9, 152300-152309	3.5	4
370	Game theory and evolutionary optimization approaches applied to resource allocation problems in computing environments: A survey. *Mathematical Biosciences and Engineering*, **2021**, 18, 9190-9232	2.1	1
369	Evaluation of the accuracy of soft computing learning algorithms in performance prediction of tidal turbine. *Energy Science and Engineering*, **2021**, 9, 633-644	3.4	2
368	Study on IoT for SARS-CoV-2 with healthcare: present and future perspective. *Mathematical Biosciences and Engineering*, **2021**, 18, 9697-9726	2.1	1
367	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	4.5	4
366	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	1.6	0
365	Factor analysis approach to classify COVID-19 datasets in several regions. *Results in Physics*, **2021**, 25, 104071	3.7	10

364	Deep learned recurrent type-3 fuzzy system: Application for renewable energy modeling/prediction. *Energy Reports*, **2021**, 7, 8115-8115	4.6	16
363	An intelligent memory caching architecture for data-intensive multimedia applications. *Multimedia Tools and Applications*, **2021**, 80, 16743-16761	2.5	1
362	Improving the spatial prediction of soil salinity in arid regions using wavelet transformation and support vector regression models. *Geoderma*, **2021**, 383, 114793	6.7	22
361	Fuzzy clustering to classify several time series models with fractional Brownian motion errors. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 1137-1145	6.1	14
360	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	3	11
359	A review on deep learning approaches in healthcare systems: Taxonomies, challenges, and open issues. *Journal of Biomedical Informatics*, **2021**, 113, 103627	10.2	41
358	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	4.5	3
357	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	4.5	5
356	VIRMOTIF: A User-Friendly Tool for Viral Sequence Analysis. *Genes*, **2021**, 12,	4.2	7
355	The Implementation of Border Gateway Protocol Using Software-Defined Networks: A Systematic Literature Review. *IEEE Access*, **2021**, 9, 112596-112606	3.5	1
354	. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	13
353	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	4.5	6
352	SmartBlock-SDN: An Optimized Blockchain-SDN Framework for Resource Management in IoT. *IEEE Access*, **2021**, 9, 28361-28376	3.5	21
351	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	4.5	1
350	A New Online Learned Interval Type-3 Fuzzy Control System for Solar Energy Management Systems. *IEEE Access*, **2021**, 9, 10498-10508	3.5	27
349	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	3.5	1
348	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	4.5	2
347	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	4.5	

346	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	6.1	41
345	Estimation of stress-strength reliability R=P(X>Y) based on Weibull record data in the presence of inter-record times. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 2130-2130	6.1	0
344	SDN-IoT empowered intelligent framework for industry 4.0 applications during COVID-19 pandemic. *Cluster Computing*, **2021**, 1-18	2.1	20
343	Micro-mechanical damage diagnosis methodologies based on machine learning and deep learning models. *Journal of Zhejiang University: Science A*, **2021**, 22, 585-608	2.1	4
342	A machine learning approach for active/reactive power control of grid-connected doubly-fed induction generators. *Ain Shams Engineering Journal*, **2021**, 13, 101564-101564	4.4	2
341	A novel approach to compare the spectral densities of some uncorrelated cyclostationary time series. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 4995-4995	6.1	
340	Applying different resampling strategies in machine learning models to predict head-cut gully erosion susceptibility. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 5813-5829	6.1	10
339	DDSLA-RPL: Dynamic Decision System Based on Learning Automata in the RPL Protocol for Achieving QoS. *IEEE Access*, **2021**, 9, 63131-63148	3.5	0
338	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	4.5	4
337	Groundwater level prediction in arid areas using wavelet analysis and Gaussian process regression. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1147-1158	4.5	11
336	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. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 413-425	4.5	5
335	Flash Flood Susceptibility Modeling Using New Approaches of Hybrid and Ensemble Tree-Based Machine Learning Algorithms. *Remote Sensing*, **2020**, 12, 3568	5	42
334	Implementation of Artificial Intelligence Based Ensemble Models for Gully Erosion Susceptibility Assessment. *Remote Sensing*, **2020**, 12, 3620	5	30
333	Combination of Group Method of Data Handling (GMDH) and Computational Fluid Dynamics (CFD) for Prediction of Velocity in Channel Intake. *Applied Sciences (Switzerland)*, **2020**, 10, 7521	2.6	5
332	Modeling Spatial Flood using Novel Ensemble Artificial Intelligence Approaches in Northern Iran. *Remote Sensing*, **2020**, 12, 3423	5	15
331	Comparative Analysis of Artificial Intelligence Models for Accurate Estimation of Groundwater Nitrate Concentration. *Sensors*, **2020**, 20,	3.8	18
330	Performance-based service-level agreement in cloud computing to optimise penalties and revenue. *IET Communications*, **2020**, 14, 1102-1112	1.3	11
329	Comparative Analysis of Recurrent Neural Network Architectures for Reservoir Inflow Forecasting. *Water (Switzerland)*, **2020**, 12, 1500	3	64

328	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	2.3	16
327	Evaluation of electrical efficiency of photovoltaic thermal solar collector. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 545-565	4.5	42
326	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	3.5	9
325	Rigorous Connectionist Models to Predict Carbon Dioxide Solubility in Various Ionic Liquids. *Applied Sciences (Switzerland)*, **2020**, 10, 304	2.6	15
324	A New K-Nearest Neighbors Classifier for Big Data Based on Efficient Data Pruning. *Mathematics*, **2020**, 8, 286	2.3	25
323	Particle swarm optimization model to predict scour depth around a bridge pier. *Frontiers of Structural and Civil Engineering*, **2020**, 14, 855-866	2.5	11
322	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	4.5	26
321	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	4.5	15
320	Modeling climate change impact on wind power resources using adaptive neuro-fuzzy inference system. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 491-506	4.5	16
319	FCS-MBFLEACH: Designing an Energy-Aware Fault Detection System for Mobile Wireless Sensor Networks. *Mathematics*, **2020**, 8, 28	2.3	11
318	Extreme Learning Machine-Based Model for Solubility Estimation of Hydrocarbon Gases in Electrolyte Solutions. *Processes*, **2020**, 8, 92	2.9	14
317	Estimating longitudinal dispersion coefficient in natural streams using empirical models and machine learning algorithms. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 311-322	4.5	45
316	An Enhanced Distributed Congestion Control Method for Classical 6LowPAN Protocols Using Fuzzy Decision System. *IEEE Access*, **2020**, 8, 20628-20645	3.5	9
315	Coronary Artery Disease Diagnosis; Ranking the Significant Features Using a Random Trees Model. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	43
314	Spatial Analysis of Seasonal Precipitation over Iran: Co-Variation with Climate Indices. *ISPRS International Journal of Geo-Information*, **2020**, 9, 73	2.9	18
313	Projection of spatiotemporal variability of wave power in the Persian Gulf by the end of 21st century: GCM and CORDEX ensemble. *Journal of Cleaner Production*, **2020**, 256, 120400	10.3	4
312	Optimal Type-3 Fuzzy System for Solving Singular Multi-Pantograph Equations. *IEEE Access*, **2020**, 8, 225692-225702	3.5	9
311	Deep Learning for Stock Market Prediction **2020**,		5

310	Applying ANN, ANFIS, and LSSVM Models for Estimation of Acid Solvent Solubility in Supercritical CO2. *Computers, Materials and Continua*, **2020**, 63, 1175-1204	3.9	8
309	Fuzzy-based Sentiment Analysis System for Analyzing Student Feedback and Satisfaction. *Computers, Materials and Continua*, **2020**, 62, 631-655	3.9	13
308	Modeling Pan Evaporation Using Gaussian Process Regression K-Nearest Neighbors Random Forest and Support Vector Machines; Comparative Analysis. *Atmosphere*, **2020**, 11, 66	2.7	48
307	Energy-Efficient Method for Wireless Sensor Networks Low-Power Radio Operation in Internet of Things. *Electronics (Switzerland)*, **2020**, 9, 320	2.6	15
306	Modeling natural gas compressibility factor using a hybrid group method of data handling. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 27-37	4.5	14
305	Short-Term Hydrological Drought Forecasting Based on Different Nature-Inspired Optimization Algorithms Hybridized With Artificial Neural Networks. *IEEE Access*, **2020**, 8, 15210-15222	3.5	22
304	Integrated machine learning methods with resampling algorithms for flood susceptibility prediction. *Science of the Total Environment*, **2020**, 705, 135983	10.2	79
303	Flash-flood hazard assessment using ensembles and Bayesian-based machine learning models: Application of the simulated annealing feature selection method. *Science of the Total Environment*, **2020**, 711, 135161	10.2	110
302	Groundwater Quality Assessment for Sustainable Drinking and Irrigation. *Sustainability*, **2020**, 12, 177	3.6	45
301	Machine Learning for Modeling the Singular Multi-Pantograph Equations. *Entropy*, **2020**, 22,	2.8	5
300	Fractional-Order Fuzzy Control Approach for Photovoltaic/Battery Systems under Unknown Dynamics, Variable Irradiation and Temperature. *Electronics (Switzerland)*, **2020**, 9, 1455	2.6	20
299	Evaluating the Efficiency of Different Regression, Decision Tree, and Bayesian Machine Learning Algorithms in Spatial Piping Erosion Susceptibility Using ALOS/PALSAR Data. *Land*, **2020**, 9, 346	3.5	4
298	Comprehensive Review of Deep Reinforcement Learning Methods and Applications in Economics. *Mathematics*, **2020**, 8, 1640	2.3	26
297	Calculating Filament Feed in the Fused Deposition Modeling Process to Correctly Print Continuous Fiber Composites in Curved Paths. *Materials*, **2020**, 13,	3.5	7
296	Early Detection of the Advanced Persistent Threat Attack Using Performance Analysis of Deep Learning. *IEEE Access*, **2020**, 8, 186125-186137	3.5	12
295	A Model for Locating Tall Buildings through a Visual Analysis Approach. *Applied Sciences (Switzerland)*, **2020**, 10, 6072	2.6	5
294	Computational intelligence intrusion detection techniques in mobile cloud computing environments: Review, taxonomy, and open research issues. *Journal of Information Security and Applications*, **2020**, 55, 102582	3.5	25
293	. *IEEE Access*, **2020**, 8, 118285-118298	3.5	12

292	Estimating CO2-Brine diffusivity using hybrid models of ANFIS and evolutionary algorithms. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 818-834	4.5	6
291	Machine Learning for Prediction of Energy in Wheat Production. *Agriculture (Switzerland)*, **2020**, 10, 517	3	11
290	Social Capital Contributions to Food Security: A Comprehensive Literature Review. *Foods*, **2020**, 9,	4.9	16
289	Ensemble of Machine-Learning Methods for Predicting Gully Erosion Susceptibility. *Remote Sensing*, **2020**, 12, 3675	5	34
288	Monthly streamflow prediction using a hybrid stochastic-deterministic approach for parsimonious non-linear time series modeling. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 1351-1372	4.5	7
287	Training Multilayer Perceptron with Genetic Algorithms and Particle Swarm Optimization for Modeling Stock Price Index Prediction. *Entropy*, **2020**, 22,	2.8	18
286	DistBlockBuilding: A Distributed Blockchain-Based SDN-IoT Network for Smart Building Management. *IEEE Access*, **2020**, 8, 140008-140018	3.5	25
285	Comparative analysis of hybrid models of firefly optimization algorithm with support vector machines and multilayer perceptron for predicting soil temperature at different depths. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 939-953	4.5	15
284	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. *Mathematics*, **2020**, 8, 1799	2.3	37
283	A Lightweight Genetic Based Algorithm for Data Security in Wireless Body Area Networks. *IEEE Access*, **2020**, 8, 183460-183469	3.5	8
282	Novel Ensemble Approach of Deep Learning Neural Network (DLNN) Model and Particle Swarm Optimization (PSO) Algorithm for Prediction of Gully Erosion Susceptibility. *Sensors*, **2020**, 20,	3.8	55
281	Image Analysis Using Human Body Geometry and Size Proportion Science for Action Classification. *Applied Sciences (Switzerland)*, **2020**, 10, 5453	2.6	0
280	Derivation of Optimized Equations for Estimation of Dispersion Coefficient in Natural Streams Using Hybridized ANN With PSO and CSO Algorithms. *IEEE Access*, **2020**, 8, 156582-156599	3.5	11
279	Estimation of flexible pavement structural capacity using machine learning techniques. *Frontiers of Structural and Civil Engineering*, **2020**, 14, 1083-1096	2.5	13
278	Comparative Analysis of Machine Learning Models for Nanofluids Viscosity Assessment. *Nanomaterials*, **2020**, 10,	5.4	10
277	Predicting Stock Market Trends Using Machine Learning and Deep Learning Algorithms Via Continuous and Binary Data; a Comparative Analysis. *IEEE Access*, **2020**, 8, 150199-150212	3.5	64
276	Voltage Regulation for Photovoltaics-Battery-Fuel Systems Using Adaptive Group Method of Data Handling Neural Networks (GMDH-NN). *IEEE Access*, **2020**, 8, 213748-213757	3.5	3
275	Spatial hazard assessment of the PM10 using machine learning models in Barcelona, Spain. *Science of the Total Environment*, **2020**, 701, 134474	10.2	58

274	Intelligent Road Inspection with Advanced Machine Learning; Hybrid Prediction Models for Smart Mobility and Transportation Maintenance Systems. *Energies*, **2020**, 13, 1718	3.1	17
273	A Deep Learning Ensemble Approach for Diabetic Retinopathy Detection. *IEEE Access*, **2019**, 7, 150530-150539	3.9	112
272	A new malware detection system using a high performance-ELM method **2019**,		8
271	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. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 892-904	4.5	41
270	Spent mushroom compost (SMC) as a source for biogas production in Iran. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 967-982	4.5	7
269	Flutter speed estimation using presented differential quadrature method formulation. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 804-810	4.5	39
268	Modeling temperature dependency of oil - water relative permeability in thermal enhanced oil recovery processes using group method of data handling and gene expression programming. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 724-743	4.5	21
267	Limiting factors for biogas production from cow manure: energo-environmental approach. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 954-966	4.5	10
266	Earth fissure hazard prediction using machine learning models. *Environmental Research*, **2019**, 179, 108770	7.9	37
265	Applying the remotely sensed data to identify homogeneous regions of watersheds using a pixel-based classification approach. *Applied Geography*, **2019**, 111, 102071	4.4	8
264	Support Vector Regression Integrated with Fruit Fly Optimization Algorithm for River Flow Forecasting in Lake Urmia Basin. *Water (Switzerland)*, **2019**, 11, 1934	3	27
263	Spatiotemporal dynamics assessment of snow cover to infer snowline elevation mobility in the mountainous regions. *Cold Regions Science and Technology*, **2019**, 167, 102870	3.8	7
262	Prediction of Hydropower Generation Using Grey Wolf Optimization Adaptive Neuro-Fuzzy Inference System. *Energies*, **2019**, 12, 289	3.1	99
261	Modeling temperature-based oil-water relative permeability by integrating advanced intelligent models with grey wolf optimization: Application to thermal enhanced oil recovery processes. *Fuel*, **2019**, 242, 649-663	7.1	39
260	Predicting solubility of CO2 in brine by advanced machine learning systems: Application to carbon capture and sequestration. *Journal of CO2 Utilization*, **2019**, 33, 83-95	7.6	34
259	Current Status Investigation and Predicting Carbon Dioxide Emission in Latin American Countries by Connectionist Models. *Energies*, **2019**, 12, 1916	3.1	16
258	Prediction of multi-inputs bubble column reactor using a novel hybrid model of computational fluid dynamics and machine learning. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 482-492	4.5	77
257	Comparative analysis of soft computing techniques RBF, MLP, and ANFIS with MLR and MNLR for predicting grade-control scour hole geometry. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 529-550	4.5	29

256	Streamflow regionalization using a similarity approach in ungauged basins: Application of the geo-environmental signatures in the Karkheh River Basin, Iran. *Catena*, **2019**, 182, 104128	5.8	28
255	A Novel Detection Algorithm to Identify False Data Injection Attacks on Power System State Estimation. *Energies*, **2019**, 12, 2209	3.1	25
254	Estimating Daily Dew Point Temperature Using Machine Learning Algorithms. *Water (Switzerland)*, **2019**, 11, 582	3	38
253	Review of Soft Computing Models in Design and Control of Rotating Electrical Machines. *Energies*, **2019**, 12, 1049	3.1	27
252	Computational Intelligence on Short-Term Load Forecasting: A Methodological Overview. *Energies*, **2019**, 12, 393	3.1	48
251	Sustainable Business Models: A Review. *Sustainability*, **2019**, 11, 1663	3.6	145
250	State of the Art of Machine Learning Models in Energy Systems, a Systematic Review. *Energies*, **2019**, 12, 1301	3.1	156
249	A Hybrid clustering and classification technique for forecasting short-term energy consumption. *Environmental Progress and Sustainable Energy*, **2019**, 38, 66-76	2.5	45
248	A Soft-Rough Set Based Approach for Handling Contextual Sparsity in Context-Aware Video Recommender Systems. *Mathematics*, **2019**, 7, 740	2.3	10
247	Numerical simulation of pressure pulsation effects of a snubber in a CNG station for increasing measurement accuracy. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 642-663	4.5	26
246	A novel bias correction framework of TMPA 3B42 daily precipitation data using similarity matrix/homogeneous conditions. *Science of the Total Environment*, **2019**, 694, 133680	10.2	9
245	Design and Validation of a Computational Program for Analysing Mental Maps: Aram Mental Map Analyzer. *Sustainability*, **2019**, 11, 3790	3.6	22
244	An Enhanced Distributed Data Aggregation Method in the Internet of Things. *Sensors*, **2019**, 19,	3.8	25
243	Software-Defined Cloud Computing: A Systematic Review on Latest Trends and Developments. *IEEE Access*, **2019**, 7, 93294-93314	3.5	23
242	Modeling and Efficiency Optimization of Steam Boilers by Employing Neural Networks and Response-Surface Method (RSM). *Mathematics*, **2019**, 7, 629	2.3	8
241	Snow avalanche hazard prediction using machine learning methods. *Journal of Hydrology*, **2019**, 577, 123929	6	62
240	Thermodynamic Assessment and Multi-Objective Optimization of Performance of Irreversible Dual-Miller Cycle. *Energies*, **2019**, 12, 4000	3.1	9
239	Securing IoT-Based RFID Systems: A Robust Authentication Protocol Using Symmetric Cryptography. *Sensors*, **2019**, 19,	3.8	51

238	Developing a mathematical framework in preliminary designing of detention rockfill dams for flood peak reduction. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 1119-1129	4.5	4
237	A Survey of Deep Learning Techniques: Application in Wind and Solar Energy Resources. *IEEE Access* , **2019**, 7, 164650-164666	3.5	115
236	Developing a Data Mining Based Model to Extract Predictor Factors in Energy Systems: Application of Global Natural Gas Demand. *Energies*, **2019**, 12, 4124	3.1	9
235	Developing an ANFIS-PSO Model to Predict Mercury Emissions in Combustion Flue Gases. *Mathematics*, **2019**, 7, 965	2.3	28
234	Reputation-Based Approach Toward Web Content Credibility Analysis. *IEEE Access*, **2019**, 7, 139957-139969	3.9	6
233	Optimization Algorithm for Reduction the Size of Dixon Resultant Matrix: A Case Study on Mechanical Application. *Computers, Materials and Continua*, **2019**, 58, 567-583	3.9	3
232	A Learning Based Brain Tumor Detection System. *Computers, Materials and Continua*, **2019**, 59, 713-727	3.9	6
231	Smart Security Framework for Educational Institutions using Internet of Things (IoT). *Computers, Materials and Continua*, **2019**, 61, 81-101	3.9	18
230	Parkinson's Disease Detection Using Biogeography-Based Optimization. *Computers, Materials and Continua*, **2019**, 61, 11-26	3.9	3
229	Optimising infrastructure as a service provider revenue through customer satisfaction and efficient resource provisioning in cloud computing. *IET Communications*, **2019**, 13, 2913-2922	1.3	8
228	Moisture Estimation in Cabinet Dryers with Thin-Layer Relationships Using a Genetic Algorithm and Neural Network. *Mathematics*, **2019**, 7, 1042	2.3	5
227	Hydrocarbons density estimates for a wide range of conditions using RBF-ANN and ANFIS strategies. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2019**, 1-9	1.6	1
226	Incorporating multi-criteria decision-making and fuzzy-value functions for flood susceptibility assessment. *Geocarto International*, **2019**, 1-21	2.7	34
225	Comparative Analysis of Machine Learning Models for Prediction of Remaining Service Life of Flexible Pavement. *Mathematics*, **2019**, 7, 1198	2.3	14
224	Multi-objective approach of energy efficient workflow scheduling in cloud environments. *Concurrency Computation Practice and Experience*, **2019**, 31, e4949	1.4	17
223	Ensemble models with uncertainty analysis for multi-day ahead forecasting of chlorophyll a concentration in coastal waters. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 91-101	4.5	118
222	Smart models for predicting under-saturated crude oil viscosity: a comparative study. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2019**, 41, 2326-2333	1.6	3
221	River flow prediction using hybrid PSOGSA algorithm based on feed-forward neural network. *Soft Computing*, **2019**, 23, 10429-10438	3.5	38

220	Fuzzy logic method for the prediction of cetane number using carbon number, double bounds, iodic, and saponification values of biodiesel fuels. *Environmental Progress and Sustainable Energy*, **2019**, 38, 584-599	2.5	14
219	Prediction of remaining service life of pavement using an optimized support vector machine (case study of Semnan□Firuzkuh road). *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 188-198	4.5	40
218	Modeling monthly pan evaporation using wavelet support vector regression and wavelet artificial neural networks in arid and humid climates. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 177-187	4.5	55
217	Daily global solar radiation modeling using data-driven techniques and empirical equations in a semi-arid climate. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 142-157	4.5	33
216	Modeling heat capacity of ionic liquids using group method of data handling: A hybrid and structure-based approach. *International Journal of Heat and Mass Transfer*, **2019**, 129, 7-17	4.9	24
215	Using multi-attribute decision-making approaches in the selection of a hospital management system. *Technology and Health Care*, **2018**, 26, 279-295	1.1	6
214	The Rise of Internet of Things (IoT) in Big Healthcare Data: Review and Open Research Issues. *Advances in Intelligent Systems and Computing*, **2018**, 675-685	0.4	29
213	Toward generalized models for estimating molecular weights and acentric factors of pure chemical compounds. *International Journal of Hydrogen Energy*, **2018**, 43, 2699-2717	6.7	18
212	Computational intelligence approach for modeling hydrogen production: a review. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 438-458	4.5	124
211	Survey of computational intelligence as basis to big flood management: challenges, research directions and future work. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 411-437	4.5	213
210	Rigorous prognostication of natural gas viscosity: Smart modeling and comparative study. *Fuel*, **2018**, 222, 766-778	7.1	34
209	Modeling interfacial tension in N2/n-alkane systems using corresponding state theory: Application to gas injection processes. *Fuel*, **2018**, 222, 779-791	7.1	34
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