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List of Publications by Citations

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

#	Paper	IF	Citations
381	A systematic literature review on agile requirements engineering practices and challenges. *Computers in Human Behavior*, **2015**, 51, 915-929	7.7	230
380	A support vector machine–firefly algorithm-based model for global solar radiation prediction. *Solar Energy*, **2015**, 115, 632-644	6.8	217
379	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
378	Coupling a firefly algorithm with support vector regression to predict evaporation in northern Iran. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 584-597	4.5	209
377	A new hybrid support vector machine–wavelet transform approach for estimation of horizontal global solar radiation. *Energy Conversion and Management*, **2015**, 92, 162-171	10.6	179
376	Survey of main challenges (security and privacy) in wireless body area networks for healthcare applications. *Egyptian Informatics Journal*, **2017**, 18, 113-122	3.1	169
375	State of the Art of Machine Learning Models in Energy Systems, a Systematic Review. *Energies*, **2019**, 12, 1301	3.1	156
374	A survey on indexing techniques for big data: taxonomy and performance evaluation. *Knowledge and Information Systems*, **2016**, 46, 241-284	2.4	146
373	Sustainable Business Models: A Review. *Sustainability*, **2019**, 11, 1663	3.6	145
372	Support vector regression based prediction of global solar radiation on a horizontal surface. *Energy Conversion and Management*, **2015**, 91, 433-441	10.6	130
371	Computational intelligence approach for modeling hydrogen production: a review. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 438-458	4.5	124
370	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
369	Application of extreme learning machine for short term output power forecasting of three grid-connected PV systems. *Journal of Cleaner Production*, **2017**, 167, 395-405	10.3	117
368	Adaptive neuro-fuzzy approach for solar radiation prediction in Nigeria. *Renewable and Sustainable Energy Reviews*, **2015**, 51, 1784-1791	16.2	115
367	A Survey of Deep Learning Techniques: Application in Wind and Solar Energy Resources. *IEEE Access* , **2019**, 7, 164650-164666	3.5	115
366	A Deep Learning Ensemble Approach for Diabetic Retinopathy Detection. *IEEE Access*, **2019**, 7, 150530-150539	3.9	112
365	Estimating building energy consumption using extreme learning machine method. *Energy*, **2016**, 97, 506-516	7.9	111

364	A survey of big data management: Taxonomy and state-of-the-art. *Journal of Network and Computer Applications*, **2016**, 71, 151-166	7.9	111
363	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
362	Experimental and computational fluid dynamics-based numerical simulation of using natural gas in a dual-fueled diesel engine. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 517-534	4.5	109
361	Computational Intelligence Approaches for Energy Load Forecasting in Smart Energy Management Grids: State of the Art, Future Challenges, and Research Directions. *Energies*, **2018**, 11, 596	3.1	106
360	Soft computing approaches for forecasting reference evapotranspiration. *Computers and Electronics in Agriculture*, **2015**, 113, 164-173	6.5	106
359	Performance investigation of micro- and nano-sized particle erosion in a 90° elbow using an ANFIS model. *Powder Technology*, **2015**, 284, 336-343	5.2	103
358	Potential of radial basis function based support vector regression for global solar radiation prediction. *Renewable and Sustainable Energy Reviews*, **2014**, 39, 1005-1011	16.2	101
357	Prediction of Hydropower Generation Using Grey Wolf Optimization Adaptive Neuro-Fuzzy Inference System. *Energies*, **2019**, 12, 289	3.1	99
356	Copy-move forgery detection: Survey, challenges and future directions. *Journal of Network and Computer Applications*, **2016**, 75, 259-278	7.9	95
355	Daily global solar radiation prediction from air temperatures using kernel extreme learning machine: A case study for Iran. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2015**, 134, 109-117	2	92
354	A comparative evaluation for identifying the suitability of extreme learning machine to predict horizontal global solar radiation. *Renewable and Sustainable Energy Reviews*, **2015**, 52, 1031-1042	16.2	92
353	Effect of river flow on the quality of estuarine and coastal waters using machine learning models. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 810-823	4.5	92
352	Extreme learning machine for prediction of heat load in district heating systems. *Energy and Buildings*, **2016**, 122, 222-227	7	88
351	Forecasting pan evaporation with an integrated artificial neural network quantum-behaved particle swarm optimization model: a case study in Talesh, Northern Iran. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 724-737	4.5	85
350	Application of firefly algorithm-based support vector machines for prediction of field capacity and permanent wilting point. *Soil and Tillage Research*, **2017**, 172, 32-38	6.5	84
349	D-FICCA: A density-based fuzzy imperialist competitive clustering algorithm for intrusion detection in wireless sensor networks. *Measurement: Journal of the International Measurement Confederation*, **2014**, 55, 212-226	4.6	82
348	Potential of adaptive neuro-fuzzy system for prediction of daily global solar radiation by day of the year. *Energy Conversion and Management*, **2015**, 93, 406-413	10.6	81
347	Integrated machine learning methods with resampling algorithms for flood susceptibility prediction. *Science of the Total Environment*, **2020**, 705, 135983	10.2	79

346	Prediction of heat load in district heating systems by Support Vector Machine with Firefly searching algorithm. *Energy*, **2016**, 95, 266-273	7.9	78
345	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
344	Extreme learning machine based prediction of daily dew point temperature. *Computers and Electronics in Agriculture*, **2015**, 117, 214-225	6.5	74
343	Comparison of experimental data, modelling and non-linear regression on transport properties of mineral oil based nanofluids. *Powder Technology*, **2017**, 317, 458-470	5.2	72
342	A survey of water level fluctuation predicting in Urmia Lake using support vector machine with firefly algorithm. *Applied Mathematics and Computation*, **2015**, 270, 731-743	2.7	72
341	Application of ANNs, ANFIS and RSM to estimating and optimizing the parameters that affect the yield and cost of biodiesel production. *Engineering Applications of Computational Fluid Mechanics*, **2018**, 12, 611-624	4.5	72
340	Forecasting of consumers heat load in district heating systems using the support vector machine with a discrete wavelet transform algorithm. *Energy*, **2015**, 87, 343-351	7.9	70
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338	Estimating the diffuse solar radiation using a coupled support vector machine□wavelet transform model. *Renewable and Sustainable Energy Reviews*, **2016**, 56, 428-435	16.2	68
337	Potential of radial basis function-based support vector regression for apple disease detection. *Measurement: Journal of the International Measurement Confederation*, **2014**, 55, 512-519	4.6	67
336	Comparative Analysis of Recurrent Neural Network Architectures for Reservoir Inflow Forecasting. *Water (Switzerland)*, **2020**, 12, 1500	3	64
335	A combination of computational fluid dynamics (CFD) and adaptive neuro-fuzzy system (ANFIS) for prediction of the bubble column hydrodynamics. *Powder Technology*, **2015**, 274, 466-481	5.2	64
334	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
333	Computational intelligence approaches for classification of medical data: State-of-the-art, future challenges and research directions. *Neurocomputing*, **2018**, 276, 2-22	5.4	62
332	Evaluating the wind energy potential for hydrogen production: A case study. *International Journal of Hydrogen Energy*, **2016**, 41, 6200-6210	6.7	62
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330	Predicting the wind power density based upon extreme learning machine. *Energy*, **2015**, 86, 232-239	7.9	61
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327	Spatial hazard assessment of the PM10 using machine learning models in Barcelona, Spain. *Science of the Total Environment*, **2020**, 701, 134474	10.2	58
326	Comparative analysis of reference evapotranspiration equations modelling by extreme learning machine. *Computers and Electronics in Agriculture*, **2016**, 127, 56-63	6.5	57
325	Sensor Data Fusion by Support Vector Regression Methodology A Comparative Study. *IEEE Sensors Journal*, **2015**, 15, 850-854	4	55
324	Using self-adaptive evolutionary algorithm to improve the performance of an extreme learning machine for estimating soil temperature. *Computers and Electronics in Agriculture*, **2016**, 124, 150-160	6.5	55
323	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
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320	Decreasing environmental impacts of cropping systems using life cycle assessment (LCA) and multi-objective genetic algorithm. *Journal of Cleaner Production*, **2015**, 86, 67-77	10.3	52
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318	Determining the most important variables for diffuse solar radiation prediction using adaptive neuro-fuzzy methodology; case study: City of Kerman, Iran. *Renewable and Sustainable Energy Reviews*, **2016**, 53, 1570-1579	16.2	51
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308	The use of ELM-WT (extreme learning machine with wavelet transform algorithm) to predict exergetic performance of a DI diesel engine running on diesel/biodiesel blends containing polymer waste. *Energy*, **2016**, 94, 443-456	7.9	45
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298	Flash Flood Susceptibility Modeling Using New Approaches of Hybrid and Ensemble Tree-Based Machine Learning Algorithms. *Remote Sensing*, **2020**, 12, 3568	5	42
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