

Sancho Salcedo-Sanz

List of Publications by Year in Descending Order

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

315
papers

5,761
citations

40
h-index

64
g-index

327
ext. papers

6,972
ext. citations

4.6
avg, IF

6.26
L-index

#	Paper	IF	Citations
315	Stacked LSTM Sequence-to-Sequence Autoencoder with Feature Selection for Daily Solar Radiation Prediction: A Review and New Modeling Results. <i>Energies</i> , 2022 , 15, 1061	3.1	6
314	Randomization-based machine learning in renewable energy prediction problems: Critical literature review, new results and perspectives. <i>Applied Soft Computing Journal</i> , 2022 , 118, 108526	7.5	3
313	Persistence in complex systems. <i>Physics Reports</i> , 2022 , 957, 1-73	27.7	1
312	Improved Complete Ensemble Empirical Mode Decomposition with Adaptive Noise Deep Residual model for short-term multi-step solar radiation prediction. <i>Renewable Energy</i> , 2022 , 190, 408-424	8.1	0
311	Machine learning regression and classification methods for fog events prediction. <i>Atmospheric Research</i> , 2022 , 272, 106157	5.4	5
310	Boosting solar radiation predictions with global climate models, observational predictors and hybrid deep-machine learning algorithms. <i>Applied Energy</i> , 2022 , 316, 119063	10.7	1
309	Hybrid deep CNN-SVR algorithm for solar radiation prediction problems in Queensland, Australia. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 112, 104860	7.2	0
308	A versatile multi-method ensemble for wind farm layout optimization. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2022 , 225, 104991	3.7	2
307	Efficient daily solar radiation prediction with deep learning 4-phase convolutional neural network, dual stage stacked regression and support vector machine CNN-REGST hybrid model. <i>Sustainable Materials and Technologies</i> , 2022 , 32, e00429	5.3	0
306	Optimal vibration isolation and alignment over non-rigid bases with the CRO-SL ensemble. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 113, 104984	7.2	
305	Dynamic Electric Dispatch for Wind Power Plants: A New Automatic Controller System Using Evolutionary Algorithms. <i>Sustainability</i> , 2021 , 13, 11924	3.6	1
304	Long-term persistence, invariant time scales and on-off intermittency of fog events. <i>Atmospheric Research</i> , 2021 , 252, 105456	5.4	3
303	Optimal Generation Scheduling in Hydro-Power Plants with the Coral Reefs Optimization Algorithm. <i>Energies</i> , 2021 , 14, 2443	3.1	10
302	Statistical Analysis and Machine Learning Prediction of Fog-Caused Low-Visibility Events at A-8 Motor-Road in Spain. <i>Atmosphere</i> , 2021 , 12, 679	2.7	4
301	Pattern Classification Applying Neighbourhood Component Analysis and Swarm Evolutionary Algorithms: A Coupled Methodology 2021 ,		2
300	Hydro-power production capacity prediction based on machine learning regression techniques. <i>Knowledge-Based Systems</i> , 2021 , 222, 107012	7.3	3
299	Optimum Shape Design of Geometrically Nonlinear Submerged Arches Using the Coral Reefs Optimization with Substrate Layers Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5862	2.6	0

298	A Hybrid Multiobjective Solution for the Short-term Hydro-power Dispatch Problem: a Swarm Evolutionary Approach 2021 ,		1
297	Eliminating Stick-Slip Vibrations in Drill-Strings with a Dual-Loop Control Strategy Optimised by the CRO-SL Algorithm. <i>Mathematics</i> , 2021 , 9, 1526	2.3	2
296	k-Gaps: a novel technique for clustering incomplete climatological time series. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 447-460	3	2
295	Optimal Location and Sizing of Energy Storage Systems in DC-Electrified Railway Lines Using a Coral Reefs Optimization Algorithm with Substrate Layers. <i>Energies</i> , 2021 , 14, 4753	3.1	2
294	Memetic coral reefs optimization algorithms for optimal geometrical design of submerged arches. <i>Swarm and Evolutionary Computation</i> , 2021 , 67, 100958	9.8	1
293	An efficient multi-objective evolutionary approach for solving the operation of multi-reservoir system scheduling in hydro-power plants. <i>Expert Systems With Applications</i> , 2021 , 185, 115638	7.8	9
292	A Review on Ensemble Methods and their Applications to Optimization Problems. <i>Springer Tracts in Nature-inspired Computing</i> , 2021 , 25-45	1.8	
291	New Perspectives in the Development of the Artificial Sport Trainer. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11452	2.6	
290	Selection of optimal proxy locations for temperature field reconstructions using evolutionary algorithms. <i>Scientific Reports</i> , 2020 , 10, 7900	4.9	3
289	Addressing Unequal Area Facility Layout Problems with the Coral Reef Optimization algorithm with Substrate Layers. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 93, 103697	7.2	8
288	Weighted ABG: A General Framework for Optimal Combination of ABG Path-Loss Propagation Models. <i>IEEE Access</i> , 2020 , 8, 101758-101769	3.5	5
287	Prediction of convective clouds formation using evolutionary neural computation techniques. <i>Neural Computing and Applications</i> , 2020 , 32, 13917-13929	4.8	
286	Persistence Analysis and Prediction of Low-Visibility Events at Valladolid Airport, Spain. <i>Symmetry</i> , 2020 , 12, 1045	2.7	10
285	Analysis and Prediction of Dammed Water Level in a Hydropower Reservoir Using Machine Learning and Persistence-Based Techniques. <i>Water (Switzerland)</i> , 2020 , 12, 1528	3	12
284	Machine learning information fusion in Earth observation: A comprehensive review of methods, applications and data sources. <i>Information Fusion</i> , 2020 , 63, 256-272	16.7	37
283	Particle swarm grammatical evolution for energy demand estimation. <i>Energy Science and Engineering</i> , 2020 , 8, 1068-1079	3.4	3
282	Spatio-temporal climate regionalization using a self-organized clustering approach. <i>Theoretical and Applied Climatology</i> , 2020 , 140, 927-949	3	1
281	Stream Learning in Energy IoT Systems: A Case Study in Combined Cycle Power Plants. <i>Energies</i> , 2020 , 13, 740	3.1	2

280	Multi-task learning for the prediction of wind power ramp events with deep neural networks. <i>Neural Networks</i> , 2020 , 123, 401-411	9.1	31
279	Design of a Multi-Band Microstrip Textile Patch Antenna for LTE and 5G Services with the CRO-SL Ensemble. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1168	2.6	13
278	Comparing Traditional Methods of Complex Networks Construction in a Wind Farm Production Analysis Problem. <i>Studies in Computational Intelligence</i> , 2020 , 895-904	0.8	
277	Multi-fractal multi-resolution structures from DLA Strange Attractors Hybrids. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 83, 105092	3.7	4
276	A novel Island Model based on Coral Reefs Optimization algorithm for solving the unequal area facility layout problem. <i>Engineering Applications of Artificial Intelligence</i> , 2020 , 89, 103445	7.2	18
275	Ordinal regression algorithms for the analysis of convective situations over Madrid-Barajas airport. <i>Atmospheric Research</i> , 2020 , 236, 104798	5.4	7
274	A Novel Information Theoretical Criterion for Climate Network Construction. <i>Symmetry</i> , 2020 , 12, 1500	2.7	
273	A Hybrid Coral Reefs Optimization Variable Neighborhood Search Approach for the Unequal Area Facility Layout Problem. <i>IEEE Access</i> , 2020 , 8, 134042-134050	3.5	4
272	Evolutionary artificial neural networks for accurate solar radiation prediction. <i>Energy</i> , 2020 , 210, 118374-7.9	7.9	23
271	Submerged Arches Optimal Design With a Multi-Method Ensemble Meta-Heuristic Approach. <i>IEEE Access</i> , 2020 , 8, 215057-215072	3.5	5
270	Wind power ramp event detection with a hybrid neuro-evolutionary approach. <i>Neural Computing and Applications</i> , 2020 , 32, 391-402	4.8	5
269	Ordinal Multi-class Architecture for Predicting Wind Power Ramp Events Based on Reservoir Computing. <i>Neural Processing Letters</i> , 2020 , 52, 57-74	2.4	0
268	A novel multi-objective Interactive Coral Reefs Optimization algorithm for the Unequal Area Facility Layout Problem. <i>Swarm and Evolutionary Computation</i> , 2020 , 55, 100688	9.8	9
267	Dynamical memetization in coral reef optimization algorithms for optimal time series approximation. <i>Progress in Artificial Intelligence</i> , 2019 , 8, 253-262	4	3
266	Near-optimal selection of representative measuring points for robust temperature field reconstruction with the CRO-SL and analogue methods. <i>Global and Planetary Change</i> , 2019 , 178, 15-34	4.2	9
265	Bio-inspired computation: Where we stand and what's next. <i>Swarm and Evolutionary Computation</i> , 2019 , 48, 220-250	9.8	264
264	Quasi scale-free geographically embedded networks over DLA-generated aggregates. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 523, 1286-1305	3.3	2
263	A Coral Reefs Optimization algorithm with substrate layer for robust Wi-Fi channel assignment. <i>Soft Computing</i> , 2019 , 23, 12621-12640	3.5	14

262	Machine learning regressors for solar radiation estimation from satellite data. <i>Solar Energy</i> , 2019 , 183, 768-775	6.8	51
261	Optimal design of Microgrid network topology and location of the distributed renewable energy resources using the Harmony Search algorithm. <i>Soft Computing</i> , 2019 , 23, 6495-6510	3.5	8
260	Applying the coral reefs optimization algorithm for solving unequal area facility layout problems. <i>Expert Systems With Applications</i> , 2019 , 138, 112819	7.8	25
259	A study on the impact of easements in the deployment of wind farms near airport facilities. <i>Renewable Energy</i> , 2019 , 135, 566-588	8.1	9
258	Optimal Microgrid Topology Design and Siting of Distributed Generation Sources Using a Multi-Objective Substrate Layer Coral Reefs Optimization Algorithm. <i>Sustainability</i> , 2019 , 11, 169	3.6	10
257	Quantifying flood events in Bangladesh with a daily-step flood monitoring index based on the concept of daily effective precipitation. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 1201-1215	3	4
256	Hybrid L-systems Diffusion Limited Aggregation schemes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019 , 514, 592-605	3.3	5
255	A statistically-driven Coral Reef Optimization algorithm for optimal size reduction of time series. <i>Applied Soft Computing Journal</i> , 2018 , 63, 139-153	7.5	22
254	Active vibration control design using the Coral Reefs Optimization with Substrate Layer algorithm. <i>Engineering Structures</i> , 2018 , 157, 14-26	4.7	19
253	Evaluation of dimensionality reduction methods applied to numerical weather models for solar radiation forecasting. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 69, 157-167	7.2	16
252	Feature selection in machine learning prediction systems for renewable energy applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 90, 728-741	16.2	51
251	Coral Reef Optimization with substrate layers for medical Image Registration. <i>Swarm and Evolutionary Computation</i> , 2018 , 42, 138-159	9.8	24
250	Obtaining minimum-drag shapes through surrogate-based global optimization: An application to the aerodynamic shape design of the landing gear master cylinder. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018 , 232, 2858-2869	0.9	1
249	Spatio-temporal analysis of wind resource in the Iberian Peninsula with data-coupled clustering. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 81, 2684-2694	16.2	11
248	Influence of overhead on LTE downlink performance: a comprehensive model. <i>Telecommunication Systems</i> , 2018 , 67, 485-517	2.3	2
247	Cost-efficient deployment of multi-hop wireless networks over disaster areas using multi-objective meta-heuristics. <i>Neurocomputing</i> , 2018 , 271, 18-27	5.4	5
246	DRED: An evolutionary diversity generation method for concept drift adaptation in online learning environments. <i>Applied Soft Computing Journal</i> , 2018 , 68, 693-709	7.5	18
245	Predicting compressive strength of lightweight foamed concrete using extreme learning machine model. <i>Advances in Engineering Software</i> , 2018 , 115, 112-125	3.6	169

244	Efficient fractal-based mutation in evolutionary algorithms from iterated function systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 56, 434-446	3.7	4
243	Bayesian optimization of a hybrid system for robust ocean wave features prediction. <i>Neurocomputing</i> , 2018 , 275, 818-828	5.4	34
242	A Multi-Objective Genetic Algorithm for overlapping community detection based on edge encoding. <i>Information Sciences</i> , 2018 , 462, 290-314	7.7	30
241	Prediction of low-visibility events due to fog using ordinal classification. <i>Atmospheric Research</i> , 2018 , 214, 64-73	5.4	16
240	Optimal Design of a Planar Textile Antenna for Industrial Scientific Medical (ISM) 2.4 GHz Wireless Body Area Networks (WBAN) with the CRO-SL Algorithm. <i>Sensors</i> , 2018 , 18,	3.8	19
239	Wind power field reconstruction from a reduced set of representative measuring points. <i>Applied Energy</i> , 2018 , 228, 1111-1121	10.7	6
238	Mono-modal Medical Image Registration with Coral Reef Optimization. <i>Lecture Notes in Computer Science</i> , 2018 , 222-234	0.9	
237	Generalized Probability Distribution Mixture Model for Clustering. <i>Lecture Notes in Computer Science</i> , 2018 , 251-263	0.9	
236	Merging ELMs with Satellite Data and Clear-Sky Models for Effective Solar Radiation Estimation. <i>Lecture Notes in Computer Science</i> , 2018 , 163-170	0.9	
235	Wind Power Ramp Events Ordinal Prediction Using Minimum Complexity Echo State Networks. <i>Lecture Notes in Computer Science</i> , 2018 , 180-187	0.9	
234	An Empirical Validation of a New Memetic CRO Algorithm for the Approximation of Time Series. <i>Lecture Notes in Computer Science</i> , 2018 , 209-218	0.9	1
233	An efficient neuro-evolutionary hybrid modelling mechanism for the estimation of daily global solar radiation in the Sunshine State of Australia. <i>Applied Energy</i> , 2018 , 209, 79-94	10.7	74
232	A Hybrid Ensemble of Heterogeneous Regressors for Wind Speed Estimation in Wind Farms. <i>Studies in Computational Intelligence</i> , 2018 , 97-106	0.8	
231	Automatic generation of models for energy demand estimation using Grammatical Evolution. <i>Energy</i> , 2018 , 164, 183-193	7.9	7
230	Significant wave height and energy flux estimation with a Genetic Fuzzy System for regression. <i>Ocean Engineering</i> , 2018 , 160, 33-44	3.9	9
229	Efficient fog prediction with multi-objective evolutionary neural networks. <i>Applied Soft Computing Journal</i> , 2018 , 70, 347-358	7.5	14
228	Drought Prediction With Standardized Precipitation and Evapotranspiration Index and Support Vector Regression Models 2018 , 151-174		17
227	Influence of the number and location of design parameters in the aerodynamic shape optimization of a transonic aerofoil and a wing through evolutionary algorithms and support vector machines. <i>Engineering Optimization</i> , 2017 , 49, 181-198	2	7

226	A Novel Grouping Harmony Search Algorithm for Clustering Problems. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 78-90	0.4	
225	Structures vibration control via Tuned Mass Dampers using a co-evolution Coral Reefs Optimization algorithm. <i>Journal of Sound and Vibration</i> , 2017 , 393, 62-75	3.9	30
224	A CRO-species optimization scheme for robust global solar radiation statistical downscaling. <i>Renewable Energy</i> , 2017 , 111, 63-76	8.1	23
223	Robust estimation of wind power ramp events with reservoir computing. <i>Renewable Energy</i> , 2017 , 111, 428-437	8.1	17
222	Optimizing the Structure of Distribution Smart Grids with Renewable Generation against Abnormal Conditions: A Complex Networks Approach with Evolutionary Algorithms. <i>Energies</i> , 2017 , 10, 1097	3.1	18
221	Efficient prediction of total column ozone based on support vector regression algorithms, numerical models and Suomi-satellite data. <i>Atmosfera</i> , 2017 , 30, 1-10	2.5	4
220	Efficient Prediction of Low-Visibility Events at Airports Using Machine-Learning Regression. <i>Boundary-Layer Meteorology</i> , 2017 , 165, 349-370	3.4	20
219	A review on the coral reefs optimization algorithm: new development lines and current applications. <i>Progress in Artificial Intelligence</i> , 2017 , 6, 1-15	4	41
218	Hybridizing Cartesian Genetic Programming and Harmony Search for adaptive feature construction in supervised learning problems. <i>Applied Soft Computing Journal</i> , 2017 , 52, 760-770	7.5	9
217	Near-optimal user assignment in LTE mobile networks with evolutionary computing. <i>Transactions on Emerging Telecommunications Technologies</i> , 2017 , 28, e3132	1.9	2
216	Adaptive nesting of evolutionary algorithms for the optimization of Microgrid sizing and operation scheduling. <i>Soft Computing</i> , 2017 , 21, 4845-4857	3.5	8
215	Wind Power Ramp Events Prediction with Hybrid Machine Learning Regression Techniques and Reanalysis Data. <i>Energies</i> , 2017 , 10, 1784	3.1	16
214	Combining Reservoir Computing and Over-Sampling for Ordinal Wind Power Ramp Prediction. <i>Lecture Notes in Computer Science</i> , 2017 , 708-719	0.9	2
213	A Hybrid Neuro-Evolutionary Algorithm for Wind Power Ramp Events Detection. <i>Lecture Notes in Computer Science</i> , 2017 , 745-756	0.9	1
212	A Probabilistic Sample Matchmaking Strategy for Imbalanced Data Streams with Concept Drift. <i>Studies in Computational Intelligence</i> , 2017 , 237-246	0.8	
211	A Coral Reef Optimization Algorithm for Wave Height Time Series Segmentation Problems. <i>Lecture Notes in Computer Science</i> , 2017 , 673-684	0.9	
210	A Grouping Harmony Search Algorithm for Assigning Resources to Users in WCDMA Mobile Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 190-199	0.4	0
209	On the Creation of Diverse Ensembles for Nonstationary Environments Using Bio-inspired Heuristics. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 67-77	0.4	1

208	Bayesian Optimization of a Hybrid Prediction System for Optimal Wave Energy Estimation Problems. <i>Lecture Notes in Computer Science</i> , 2017 , 648-660	0.9	
207	Aerodynamic Shape Design by Evolutionary Optimization and Support Vector Machines. <i>Springer Tracts in Mechanical Engineering</i> , 2016 , 1-24	0.3	3
206	Dandelion-Encoded Harmony Search Heuristics for Opportunistic Traffic Offloading in Synthetically Modeled Mobile Networks. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 133-145	0.4	5
205	Effective multi-objective optimization with the coral reefs optimization algorithm. <i>Engineering Optimization</i> , 2016 , 48, 966-984	2	8
204	Monthly prediction of air temperature in Australia and New Zealand with machine learning algorithms. <i>Theoretical and Applied Climatology</i> , 2016 , 125, 13-25	3	45
203	Robust total energy demand estimation with a hybrid Variable Neighborhood Search [Extreme Learning Machine] algorithm. <i>Energy Conversion and Management</i> , 2016 , 123, 445-452	10.6	19
202	2016 ,		1
201	Cloud glaciation temperature estimation from passive remote sensing data with evolutionary computing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13,591-13,608	4.4	11
200	A novel Coral Reefs Optimization algorithm with substrate layers for optimal battery scheduling optimization in micro-grids. <i>Soft Computing</i> , 2016 , 20, 4287-4300	3.5	29
199	Significant wave height and energy flux prediction for marine energy applications: A grouping genetic algorithm [Extreme Learning Machine] approach. <i>Renewable Energy</i> , 2016 , 97, 380-389	8.1	51
198	Accurate estimation of significant wave height with Support Vector Regression algorithms and marine radar images. <i>Coastal Engineering</i> , 2016 , 114, 233-243	4.8	35
197	Massive missing data reconstruction in ocean buoys with evolutionary product unit neural networks. <i>Ocean Engineering</i> , 2016 , 117, 292-301	3.9	19
196	Computational intelligence in wave energy: Comprehensive review and case study. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 58, 1223-1246	16.2	48
195	A Lamarckian Hybrid Grouping Genetic Algorithm with repair heuristics for resource assignment in WCDMA networks. <i>Applied Soft Computing Journal</i> , 2016 , 43, 619-632	7.5	6
194	A review of Computational Intelligence techniques in coral reef-related applications. <i>Ecological Informatics</i> , 2016 , 32, 107-123	4.2	9
193	Joint optimization of a Microgrid's structure design and its operation using a two-steps evolutionary algorithm. <i>Energy</i> , 2016 , 94, 775-785	7.9	14
192	A Harmony Search Approach for the Selective Pick-Up and Delivery Problem with Delayed Drop-Off. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 121-131	0.4	6
191	A Review of Classification Problems and Algorithms in Renewable Energy Applications. <i>Energies</i> , 2016 , 9, 607	3.1	56

190	A novel machine learning approach to the detection of identity theft in social networks based on emulated attack instances and support vector machines. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 1385-1395	1.4	7
189	A coral reefs optimization algorithm with substrate layers and local search for large scale global optimization 2016 ,		22
188	Feature selection in solar radiation prediction using bootstrapped SVRs 2016 ,		1
187	A grouping genetic algorithm [Extreme learning machine approach for optimal wave energy prediction 2016 ,		2
186	A novel adaptive density-based ACO algorithm with minimal encoding redundancy for clustering problems 2016 ,		4
185	A novel Grouping Coral Reefs Optimization algorithm for optimal mobile network deployment problems under electromagnetic pollution and capacity control criteria. <i>Expert Systems With Applications</i> , 2016 , 55, 388-402	7.8	9
184	A novel Grouping Genetic Algorithm [Extreme Learning Machine approach for global solar radiation prediction from numerical weather models inputs. <i>Solar Energy</i> , 2016 , 132, 129-142	6.8	78
183	Feature Selection with a Grouping Genetic Algorithm [Extreme Learning Machine Approach for Wind Power Prediction. <i>Lecture Notes in Computer Science</i> , 2016 , 373-382	0.9	1
182	Estimating the Spanish Energy Demand Using Variable Neighborhood Search. <i>Lecture Notes in Computer Science</i> , 2016 , 341-350	0.9	
181	Multiclass Prediction of Wind Power Ramp Events Combining Reservoir Computing and Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2016 , 300-309	0.9	4
180	A feature selection method for author identification in interactive communications based on supervised learning and language typicality. <i>Engineering Applications of Artificial Intelligence</i> , 2016 , 56, 175-184	7.2	9
179	Modern meta-heuristics based on nonlinear physics processes: A review of models and design procedures. <i>Physics Reports</i> , 2016 , 655, 1-70	27.7	92
178	A hybrid genetic algorithm [Extreme learning machine approach for accurate significant wave height reconstruction. <i>Ocean Modelling</i> , 2015 , 92, 115-123	3	27
177	Significant wave height estimation using SVR algorithms and shadowing information from simulated and real measured X-band radar images of the sea surface. <i>Ocean Engineering</i> , 2015 , 101, 244-253	3.9	46
176	Optimal discharge scheduling of energy storage systems in MicroGrids based on hyper-heuristics. <i>Renewable Energy</i> , 2015 , 83, 13-24	8.1	37
175	Spatio-temporal trend analysis of air temperature in Europe and Western Asia using data-coupled clustering. <i>Global and Planetary Change</i> , 2015 , 129, 45-55	4.2	13
174	Significant wave height and energy flux range forecast with machine learning classifiers. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 43, 44-53	7.2	33
173	One-year-ahead energy demand estimation from macroeconomic variables using computational intelligence algorithms. <i>Energy Conversion and Management</i> , 2015 , 99, 62-71	10.6	19

172	A random-key encoded harmony search approach for energy-efficient production scheduling with shared resources. <i>Engineering Optimization</i> , 2015 , 47, 1481-1496	2	19
171	Hybridizing Extreme Learning Machines and Genetic Algorithms to select acoustic features in vehicle classification applications. <i>Neurocomputing</i> , 2015 , 152, 58-68	5.4	38
170	A Coral Reefs Optimization algorithm with Harmony Search operators for accurate wind speed prediction. <i>Renewable Energy</i> , 2015 , 75, 93-101	8.1	64
169	On the application of multi-objective harmony search heuristics to the predictive deployment of firefighting aircrafts: a realistic case study. <i>International Journal of Bio-Inspired Computation</i> , 2015 , 7, 270	2.9	14
168	A Critical Review of Robustness in Power Grids Using Complex Networks Concepts. <i>Energies</i> , 2015 , 8, 9211-9265	3.1	142
167	2G/3G connect: An educational software for teaching 2G/3G mobile communications to engineering students. <i>Computer Applications in Engineering Education</i> , 2015 , 23, 1-12	1.6	8
166	An educational software tool to teach hyper-heuristics to engineering students based on the bubble breaker puzzle. <i>Computer Applications in Engineering Education</i> , 2015 , 23, 277-285	1.6	2
165	Surface wind speed reconstruction from synoptic pressure fields: machine learning versus weather regimes classification techniques. <i>Wind Energy</i> , 2015 , 18, 1531-1544	3.4	2
164	Local models-based regression trees for very short-term wind speed prediction. <i>Renewable Energy</i> , 2015 , 81, 589-598	8.1	47
163	A Novel Grouping Genetic Algorithm for Assigning Resources to Users in WCDMA Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 42-53	0.9	1
162	On a Machine Learning Approach for the Detection of Impersonation Attacks in Social Networks. <i>Studies in Computational Intelligence</i> , 2015 , 259-268	0.8	3
161	Energy Flux Range Classification by Using a Dynamic Window Autoregressive Model. <i>Lecture Notes in Computer Science</i> , 2015 , 92-102	0.9	1
160	Evolutionary Battery Scheduling Optimization Under Variable Electricity Prices in Micro-Grids with Renewable Generation. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 133-142	0.4	
159	New solver and optimal anticipation strategies design based on evolutionary computation for the game of MasterMind. <i>Evolutionary Intelligence</i> , 2014 , 6, 219-228	1.7	3
158	An evolutionary-based hyper-heuristic approach for the Jawbreaker puzzle. <i>Applied Intelligence</i> , 2014 , 40, 404-414	4.9	11
157	Soft-Computing: An innovative technological solution for urban traffic-related problems in modern cities. <i>Technological Forecasting and Social Change</i> , 2014 , 89, 236-244	9.5	2
156	Support vector machines in engineering: an overview. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2014 , 4, 234-267	6.9	79
155	Simultaneous modelling of rainfall occurrence and amount using a hierarchical nominal/ordinal support vector classifier. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 34, 199-207	7.2	24

154	Prediction of Daily Global Solar Irradiation Using Temporal Gaussian Processes. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1936-1940	4.1	61
153	Feature selection in wind speed prediction systems based on a hybrid coral reefs optimization \square Extreme learning machine approach. <i>Energy Conversion and Management</i> , 2014 , 87, 10-18	10.6	116
152	A Coral Reefs Optimization algorithm for optimal mobile network deployment with electromagnetic pollution control criterion. <i>Applied Soft Computing Journal</i> , 2014 , 24, 239-248	7.5	25
151	Daily global solar radiation prediction based on a hybrid Coral Reefs Optimization \square Extreme Learning Machine approach. <i>Solar Energy</i> , 2014 , 105, 91-98	6.8	132
150	Sizing and maintenance visits optimization of a hybrid photovoltaic-hydrogen stand-alone facility using evolutionary algorithms. <i>Renewable Energy</i> , 2014 , 66, 402-413	8.1	20
149	Heuristic correction of wind speed mesoscale models simulations for wind farms prospecting and micrositing. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014 , 130, 1-15	3.7	5
148	Accurate precipitation prediction with support vector classifiers: A study including novel predictive variables and observational data. <i>Atmospheric Research</i> , 2014 , 139, 128-136	5.4	56
147	Offshore wind farm design with the Coral Reefs Optimization algorithm. <i>Renewable Energy</i> , 2014 , 63, 109-115	8.1	58
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