Rajesh Kumar

List of Publications by Year
in descending order

282 papers	4,609 citations	126907 33 h-index	155660 55 g-index
284 all docs	284 docs citations	284 times ranked	4170 citing authors

#	Article	IF	Citations
1	A review on particle swarm optimization algorithms and their applications to data clustering. Artificial Intelligence Review, 2011, 35, 211-222.	15.7	223
2	Real-Time Implementation of a Harmony Search Algorithm-Based Clustering Protocol for Energy-Efficient Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2014, 10, 774-783.	11.3	183
3	Recent developments in human gait research: parameters, approaches, applications, machine learning techniques, datasets and challenges. Artificial Intelligence Review, 2018, 49, 1-40.	15.7	181
4	An Intelligent Tuned Harmony Search algorithm for optimisation. Information Sciences, 2012, 196, 47-72.	6.9	164
5	A hybrid multi-agent based particle swarm optimization algorithm for economic power dispatch. International Journal of Electrical Power and Energy Systems, 2011, 33, 115-123.	5.5	134
6	Binary Grey Wolf Optimizer for large scale unit commitment problem. Swarm and Evolutionary Computation, 2018, 38, 251-266.	8.1	132
7	Economic analysis and power management of a stand-alone wind/photovoltaic hybrid energy system using biogeography based optimization algorithm. Swarm and Evolutionary Computation, 2013, 8, 33-43.	8.1	128
8	Electric Vehicle Scheduling Strategy in Residential Demand Response Programs With Neighbor Connection. IEEE Transactions on Industrial Informatics, 2018, 14, 980-988.	11.3	89
9	BBO-based small autonomous hybrid power system optimization incorporating wind speed and solar radiation forecasting. Renewable and Sustainable Energy Reviews, 2015, 41, 1366-1375.	16.4	82
10	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e10265" altimg="si80.gif"><mml:mi>Î²</mml:mi></mml:math>-Chaotic map enabled Grey Wolf Optimizer. Applied Soft Computing Journal, 2019, 75, 84-105.	7.2	82
11	Economic Analysis and Power Management of a Small Autonomous Hybrid Power System (SAHPS) Using Biogeography Based Optimization (BBO) Algorithm. IEEE Transactions on Smart Grid, 2013, 4, 638-648.	9.0	76
12	Binary whale optimization algorithm: a new metaheuristic approach for profit-based unit commitment problems in competitive electricity markets. Engineering Optimization, 2019, 51, 369-389.	2.6	72
13	Ageist Spider Monkey Optimization algorithm. Swarm and Evolutionary Computation, 2016, 28, 58-77.	8.1	70
14	Multiâ€objective synergistic planning of EV fastâ€charging stations in the distribution system coupled with the transportation network. IET Generation, Transmission and Distribution, 2019, 13, 3421-3432.	2.5	70
15	Intelligent Grey Wolf Optimizer â€" Development and application for strategic bidding in uniform price spot energy market. Applied Soft Computing Journal, 2018, 69, 1-13.	7.2	65
16	A New Binary Variant of Sineâ€"Cosine Algorithm: Development and Application to Solve Profit-Based Unit Commitment Problem. Arabian Journal for Science and Engineering, 2018, 43, 4041-4056.	3.0	64
17	Binary fireworks algorithm for profit based unit commitment (PBUC) problem. International Journal of Electrical Power and Energy Systems, 2016, 83, 270-282.	5.5	60
18	Reinforcement learning in robotic applications: a comprehensive survey. Artificial Intelligence Review, 2022, 55, 945-990.	15.7	56

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19	Prediction of surface temperatures for the assessment of urban heat island effect over Ahmedabad city using linear time series model. Energy and Buildings, 2016, 128, 605-616.	6.7	53
20	Multiaggregator Collaborative Electric Vehicle Charge Scheduling Under Variable Energy Purchase and EV Cancelation Events. IEEE Transactions on Industrial Informatics, 2018, 14, 2894-2902.	11.3	52
21	A novel multi-objective directed bee colony optimization algorithm for multi-objective emission constrained economic power dispatch. International Journal of Electrical Power and Energy Systems, 2012, 43, 1241-1250.	5.5	50
22	An Improved Harmony Search algorithm for optimal scheduling of the diesel generators in oil rig platforms. Energy Conversion and Management, 2011, 52, 893-902.	9.2	43
23	Prediction of land surface temperatures for surface urban heat island assessment over Chandigarh city using support vector regression model. Solar Energy, 2019, 186, 404-415.	6.1	43
24	Joint optimal allocation methodology for renewable distributed generation and energy storage for economic benefits. IET Renewable Power Generation, 2016, 10, 1422-1429.	3.1	42
25	Passive Marker Based Optical System for Gait Kinematics for Lower Extremity. Procedia Computer Science, 2015, 45, 176-185.	2.0	41
26	Distributed resource scheduling in smart grid with electric vehicle deployment using fireworks algorithm. Journal of Modern Power Systems and Clean Energy, 2016, 4, 188-199.	5.4	40
27	Multi agent system: concepts, platforms and applications in power systems. Artificial Intelligence Review, 2018, 49, 153-182.	15.7	40
28	A harmonic estimator design with evolutionary operators equipped grey wolf optimizer. Expert Systems With Applications, 2020, 145, 113125.	7.6	40
29	Classification of mental tasks from EEG data using backtracking search optimization based neural classifier. Neurocomputing, 2015, 166, 397-403.	5.9	39
30	Operation window constrained strategic energy management of microgrid with electric vehicle and distributed resources. IET Generation, Transmission and Distribution, 2017, 11, 615-626.	2.5	38
31	Data analytics and computational methods for anti-islanding of renewable energy based Distributed Generators in power grids. Renewable and Sustainable Energy Reviews, 2017, 69, 493-502.	16.4	38
32	Strategic Energy Management (SEM) in a micro grid with modern grid interactive electric vehicle. Energy Conversion and Management, 2015, 106, 41-52.	9.2	37
33	Modeling of Carbon Capture Technology Attributes for Unit Commitment in Emission-Constrained Environment. IEEE Transactions on Power Systems, 2017, 32, 662-671.	6.5	36
34	Predicting optimal lockdown period with parametric approach using three-phase maturation SIRD model for COVID-19 pandemic. Chaos, Solitons and Fractals, 2020, 138, 109939.	5.1	36
35	Application and Development of Enhanced Chaotic Grasshopper Optimization Algorithms. Modelling and Simulation in Engineering, 2018, 2018, 1-14.	0.7	34
36	Binary grey wolf optimizer models for profit based unit commitment of price-taking GENCO in electricity market. Swarm and Evolutionary Computation, 2019, 44, 957-971.	8.1	33

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37	Artificial intelligence applications in Permanent Magnet Brushless DC motor drives. Artificial Intelligence Review, 2010, 33, 175-186.	15.7	31
38	A strategical game theoretic based demand response model for residential consumers in a fair environment. International Journal of Electrical Power and Energy Systems, 2018, 97, 201-210.	5.5	31
39	FCM Clusteringâ€ANFISâ€based PV and wind generation forecasting agent for energy management in a smart microgrid. Journal of Engineering, 2019, 2019, 4852-4857.	1.1	30
40	Delay Tolerant Network assisted flying Ad-Hoc network scenario: modeling and analytical perspective. Wireless Networks, 2019, 25, 2675-2695.	3.0	29
41	Optimization of hybrid PV/wind energy system using Meta Particle Swarm Optimization (MPSO). , 2011, , .		27
42	Demand response aggregator coordinated two-stage responsive load scheduling in distribution system considering customer behaviour. IET Generation, Transmission and Distribution, 2017, 11, 1023-1032.	2.5	27
43	State-of-charge estimation for li-ion battery using extended Kalman filter (EKF) and central difference Kalman filter (CDKF). , 2017, , .		27
44	Voltageâ€dependent modelling of fast charging electric vehicle load considering battery characteristics. IET Electrical Systems in Transportation, 2018, 8, 221-230.	2.4	27
45	Human knee abnormality detection from imbalanced sEMG data. Biomedical Signal Processing and Control, 2021, 66, 102406.	5.7	27
46	Binary Fireworks Algorithm Based Thermal Unit Commitment. International Journal of Swarm Intelligence Research, 2015, 6, 87-101.	0.7	26
47	Short term forecasting based on hourly wind speed data using deep learning algorithms. , 2020, , .		26
48	A Hybrid WD-EEMD sEMG Feature Extraction Technique for Lower Limb Activity Recognition. IEEE Sensors Journal, 2021, 21, 20431-20439.	4.7	26
49	A new hybrid multi-agent-based particle swarm optimisation technique. International Journal of Bio-Inspired Computation, 2009, 1, 259.	0.9	25
50	A neural network based breast cancer prognosis model with PCA processed features. , 2016, , .		25
51	Identification and Control of PMSM Using Artificial Neural Network. , 2007, , .		24
52	Development and application of Quantum Entanglement inspired Particle Swarm Optimization. Knowledge-Based Systems, 2021, 219, 106859.	7.1	24
53	Intelligent Tuned PID Controllers for PMSM Drive - A Critical Analysis. , 2006, , .		23
54	Optimal placement of Phasor Measurement Units using Particle swarm Optimization. , 2009, , .		23

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55	Optimal Thrust Allocation for Semisubmersible Oil Rig Platforms Using Improved Harmony Search Algorithm. IEEE Journal of Oceanic Engineering, 2014, 39, 526-539.	3.8	23
56	Centralized multi-agent implementation for securing critical loads in PV based microgrid. Journal of Modern Power Systems and Clean Energy, 2014, 2, 77-86.	5.4	23
57	Mercapto functionalized silica entrapped polyacrylamide hydrogel: Arsenic adsorption behaviour from aqueous solution. Journal of Colloid and Interface Science, 2015, 456, 241-245.	9.4	23
58	Gas permeation study of Ti-coated, track-etched polymeric membranes. Vacuum, 2006, 81, 389-393.	3.5	22
59	Equivalent circuit model parameters estimation of Li-ion battery: C-rate, SOC and temperature effects. , 2016, , .		22
60	Directed Bee Colony Optimization Algorithm. Swarm and Evolutionary Computation, 2014, 17, 60-73.	8.1	21
61	Computational Intelligence for Demand Response Exchange Considering Temporal Characteristics of Load Profile via Adaptive Fuzzy Inference System. IEEE Transactions on Emerging Topics in Computational Intelligence, 2018, 2, 235-245.	4.9	21
62	Identification of spatio-temporal and kinematics parameters for 2-D optical gait analysis system using passive markers. , 2015, , .		20
63	Prediction of Land-Surface Temperatures of Jaipur City Using Linear Time Series Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3546-3552.	4.9	20
64	Emotion Detection and Characterization using Facial Features. , 2018, , .		20
65	Markov Models Based Short Term Forecasting of Wind Speed for Estimating Day-Ahead Wind Power. , 2018, , .		20
66	User-Willingness-Based Decentralized EV Charging Management in Multiaggregator Scheduling. IEEE Transactions on Industry Applications, 2020, 56, 5704-5715.	4.9	20
67	Modeling and model predictive control of dividing wall column for separation of Benzeneâ€“Toluene-<i>o</i>-Xylene. Systems Science and Control Engineering, 2015, 3, 142-153.	3.1	19
68	Efficient solar energy harvester for wireless sensor nodes. , 2010, , .		18
69	Selective deposition of Pd nanoparticles in porous PET membrane for hydrogen separation. International Journal of Hydrogen Energy, 2017, 42, 15203-15210.	7.1	18
70	Economic analysis and design of stand-alone wind/photovoltaic hybrid energy system using Genetic algorithm. , 2012, , .		17
71	Optimal sizing of PV-battery for loss reduction and intermittency mitigation. , 2014, , .		16
72	A novel two-level particle swarm optimization approach for efficient multiple sequence alignment. Memetic Computing, 2015, 7, 119-133.	4.0	16

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73	Hydrogen gas separation with controlled selectivity via efficient and cost effective block copolymer coated PET membranes. International Journal of Hydrogen Energy, 2017, 42, 19977-19983.	7.1	16
74	Optimal Offering of Demand Response Aggregation Company in Price-Based Energy and Reserve Market Participation. IEEE Transactions on Industrial Informatics, 2018, 14, 578-587.	11.3	16
75	Efficient discrete firefly algorithm for Ctrie based caching of multiple sequence alignment on optimally scheduled parallel machines. CAAI Transactions on Intelligence Technology, 2019, 4, 92-100.	8.1	16
76	Dynamic Energy Balancing Cost Model for Day Ahead Markets With Uncertain Wind Energy and Generation Contingency Under Demand Response. IEEE Transactions on Industry Applications, 2018, 54, 4908-4916.	4.9	15
77	Impact of Load Profile on Dynamic Interactions Between Energy Markets: A Case Study of Power Exchange and Demand Response Exchange. IEEE Transactions on Industrial Informatics, 2019, 15, 5855-5866.	11.3	15
78	Cloud Energy Storage Based Embedded Battery Technology Architecture for Residential Users Cost Minimization. IEEE Access, 2022, 10, 43685-43702.	4.2	15
79	Human lower limb activity recognition techniques, databases, challenges and its applications using sEMG signal: an overview. Biomedical Engineering Letters, 2022, 12, 343-358.	4.1	15
80	Optimal siting and sizing of electric taxi charging stations considering transportation and power system requirements. Energy, 2022, 256, 124572.	8.8	15
81	12-Sector Methodology of Torque Ripple Reduction in a Direct Torque Controlled Induction Motor Drive. , 2006, , .		14
82	An efficient two-level swarm intelligence approach for RNA secondary structure prediction with bi-objective minimum free energy scores. Swarm and Evolutionary Computation, 2016, 27, 68-79.	8.1	14
83	Low carbon unit commitment (LCUC) with post carbon capture and storage (CCS) technology considering resource sensitivity. Journal of Cleaner Production, 2018, 200, 161-173.	9.3	14
84	Effect of UV irradiation on PC membrane and use of Pd nanoparticles with/without PVP for H2 selectivity enhancement over CO2 and N2 gases. International Journal of Hydrogen Energy, 2018, 43, 21690-21698.	7.1	14
85	Stateâ€ofâ€Charge estimation of Liâ€ion battery at different temperatures using particle filter. Journal of Engineering, 2019, 2019, 5320-5324.	1.1	14
86	Collaborative multiâ€aggregator electric vehicle charge scheduling with PVâ€assisted charging stations under variable solar profiles. IET Smart Grid, 2020, 3, 287-299.	2.2	14
87	Voting-based 1D CNN model for human lower limb activity recognition using sEMG signal. Physical and Engineering Sciences in Medicine, 2021, 44, 1297-1309.	2.4	14
88	Identification of gait parameters from silhouette images. , 2015, , .		13
89	Vision based Identification of Joint Coordinates for Marker-less Gait Analysis. Procedia Computer Science, 2018, 132, 68-75.	2.0	13
90	Multiagent-Based Autonomous Energy Management System With Self-Healing Capabilities for a Microgrid. IEEE Transactions on Industrial Informatics, 2019, 15, 6280-6290.	11.3	13

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91	Improved Harmony Search algorithm based optimal design of the brushless DC wheel motor. , 2010, , .		12
92	Energy-Efficient Thrust Allocation for Semi-Submersible Oil Rig Platforms Using Improved Harmony Search Algorithm. IEEE Transactions on Industrial Informatics, 2012, 8, 913-924.	11.3	12
93	Consumer perspective based placement of electric vehicle charging stations by clustering techniques. , 2016, , .		12
94	Estimation of battery parameters of the equivalent circuit model using Grey Wolf Optimization. , 2016, , .		12
95	An Intelligent Multi Agent based Approach for Autonomous Energy Management in a Microgrid. Electric Power Components and Systems, 2021, 49, 18-31.	1.8	12
96	Kinematic Modeling for Biped Robot Gait Trajectory Using Machine Learning Techniques. Journal of Bionic Engineering, 2022, 19, 355-369.	5.0	12
97	An Artificial Neural Network Based Rotor Position Estimation for Sensorless Permanent Magnet Brushless DC Motor Drive. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	11
98	Estimation of battery parameters of the equivalent circuit models using meta-heuristic techniques. , 2016, , .		11
99	Profit-based conventional resource scheduling with renewable energy penetration. International Journal of Sustainable Energy, 2017, 36, 619-636.	2.4	11
100	Multi-objective two-level swarm intelligence approach for multiple RNA sequence-structure alignment. Swarm and Evolutionary Computation, 2017, 34, 130-144.	8.1	11
101	Electric Vehicle Driver Response Evaluation in Multiaggregator Charging Management With EV Routing. IEEE Transactions on Industry Applications, 2020, 56, 6914-6924.	4.9	11
102	Chaotic Variants of Grasshopper Optimization Algorithm and Their Application to Protein Structure Prediction. Springer Tracts in Nature-inspired Computing, 2020, , 151-175.	0.7	11
103	A framework for human recognition using a multimodel Gait analysis approach. , 2016, , .		10
104	Short term wind speed forecasting and wind energy estimation: A case study of Rajasthan. , 2017, , .		10
105	Modelâ€based optimal parameter identification incorporating Câ€rate, state of charge and temperature effect for advance battery management system in electric vehicles. IET Electrical Systems in Transportation, 2018, 8, 240-250.	2.4	10
106	An agent-based architecture for production scheduling in dynamic job-shop manufacturing system. Automatisierungstechnik, 2018, 66, 492-502.	0.8	10
107	Impact of EV fast charging station on distribution system embedded with wind generation. Journal of Engineering, 2019, 2019, 4692-4697.	1.1	10
108	Machine learning for medical diagnosis: A neural network classifier optimized via the directed bee colony optimization algorithm. , 2019, , 197-215.		10

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109	Aggregated Demand Response Scheduling in Competitive Market Considering Load behavior through Fuzzy Intelligence. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	10
110	Centralized multi-agent self-healing power system with super conducting fault current limiter. , 2013, , .		9
111	A study on inertia weight schemes with modified particle swarm optimization algorithm for multiple sequence alignment. , 2013, , .		9
112	A cross-platform evaluation of various decision tree algorithms for prognostic analysis of breast cancer data. , 2016, , .		9
113	Evaluating key factors of sustainable manufacturing in Indian automobile industries using Analytic Hierarchy Process (AHP). , 2017, , .		9
114	Investigating the Impact of Load Profile Attributes on Demand Response Exchange. IEEE Transactions on Industrial Informatics, 2018, 14, 1382-1391.	11.3	9
115	An Empirical Capacity Degradation Modeling and Prognostics of Remaining Useful Life of Li-ion Battery using Unscented Kalman Filter. , 2018, , .		9
116	Performance comparison analysis of different classifier for early detection of knee osteoarthritis. , 2019, , 243-257.		9
117	Cloud Energy Storage Systems for Consumers and Prosumers in Residential Microgrids. , 2020, , .		9
118	Fuzzy Tuned PID Controller Based PFC Converter-Inverter Fed SRM Drive. , 2006, , .		8
119	ANFIS Based Intelligent Control of Vector Controlled Induction Motor Drive. , 2009, , .		8
120	OPTIMAL WATER SCHEDULING IN IRRIGATION CANAL NETWORK USING PARTICLE SWARM OPTIMIZATION. Irrigation and Drainage, 2013, 62, 135-144.	1.7	8
121	Adsorption and kinetic studies of cesium ions from aqueous solution by functionalized silica. Desalination and Water Treatment, 2013, 51, 2014-2020.	1.0	8
122	Inverse dynamics control of a bio-inspired robotic-fish underwater vehicle propulsion based on Lighthill slender body theory. , 2014, , .		8
123	Predictive Analytics for Breast Cancer Survivability. , 2016, , .		8
124	A multiple emission constrained approach for self-scheduling of GENCO under renewable energy penetration. CSEE Journal of Power and Energy Systems, 2017, 3, 63-73.	1.1	8
125	A hybrid approach for gait based gender classification using gei and spatio temporal parameters. , 2017, , .		8
126	Hybrid Approach for Short Term Wind Power Forecasting. , 2018, , .		8

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127	Electric vehicle charge scheduling (EVCS) with PV assistance for variable energy purchase in a multiâ€aggregator environment. Journal of Engineering, 2019, 2019, 4836-4840.	1.1	8
128	Supplementary frequency control in power systems via decentralised V2G/G2V support. Journal of Engineering, 2019, 2019, 5287-5291.	1.1	8
129	A profit-based self-scheduling framework for generation company energy and ancillary service participation in multi-constrained environment with renewable energy penetration. Energy and Environment, 2020, 31, 549-569.	4.6	8
130	Optimal investment and operation of a microgrid to provide electricity and heat. IET Renewable Power Generation, 2021, 15, 2586-2595.	3.1	8
131	Exploration and investigation of potential precursors to unintentional islanding in grid-interfaced solar photo voltaic systems. , 2015, , .		7
132	Unsupervised learning in islanding studies: Applicability study for predictive detection in high solar PV penetration distribution feeders. , 2016, , .		7
133	A hybrid approach to price forecasting incorporating exogenous variables for a day ahead electricity Market. , 2016, , .		7
134	Price prediction techniques for residential demand response using support vector regression. , 2016, , .		7
135	Fuzzy Logic-Based Gait Phase Detection Using Passive Markers. Advances in Intelligent Systems and Computing, 2016, , 561-572.	0.6	7
136	Modelling and analysis of resource scheduling in restructured power systems considering wind energy uncertainty. International Journal of Sustainable Energy, 2018, 37, 736-760.	2.4	7
137	Functionalized and engineered nanochannels for gas separation. Pure and Applied Chemistry, 2018, 90, 1063-1071.	1.9	7
138	Chaotic step length artificial bee colony algorithms for protein structure prediction. Journal of Interdisciplinary Mathematics, 2020, 23, 617-629.	0.7	7
139	Gated Recurrent Unit (GRU) Based Short Term Forecasting for Wind Energy Estimation. , 2020, , .		7
140	Predictive Analysis of Traditional, Deep Learning and Ensemble Learning Approach for short-term Wind Speed Forecasting. , 2020, , .		7
141	A Nonlinear Reduced Order Observer for Rotor Position Estimation of Sensorless Permanent Magnet Brushless DC Motor Drive. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	6
142	DESIGN OF TWO-DIMENSIONAL INFINITE IMPULSE RESPONSE RECURSIVE FILTERS USING HYBRID MULTIAGENT PARTICLE SWARM OPTIMIZATION. Applied Artificial Intelligence, 2010, 24, 295-312.	3.2	6
143	Kinematics study and implementation of a biomimetic robotic-fish underwater vehicle based on Lighthill slender body model. , 2012, , .		6
144	Design analysis and dynamic control of PEM fuel cell for standalone applications. , 2014, , .		6

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145	A novel two-level particle swarm optimization approach to train the transformational grammar based hidden Markov models for performing structural alignment of pseudoknotted RNA. Swarm and Evolutionary Computation, 2015, 20, 58-73.	8.1	6
146	Multivariate Statistics and Supervised Learning for Predictive Detection of Unintentional Islanding in Grid-Tied Solar PV Systems. Applied Computational Intelligence and Soft Computing, 2016, 2016, 1-10.	2.3	6
147	Receding horizon based greenhouse air temperature control using grey wolf optimization algorithm. , 2016, , .		6
148	Effective load scheduling of residential consumers based on dynamic pricing with price prediction capabilities. , 2016, , .		6
149	Agent based intelligent fault detection, isolation and restoration in smart power system. , 2016, , .		6
150	A preliminary study towards conceptualization and implementation of a load learning model for smart automated demand response. , 2016, , .		6
151	Strategic optimisation of microgrid by evolving a unitised regenerative fuel cell system operational criterion. International Journal of Sustainable Energy, 2016, 35, 722-733.	2.4	6
152	Termite spatial correlation based particle swarm optimization for unconstrained optimization. Swarm and Evolutionary Computation, 2017, 33, 93-107.	8.1	6
153	Estimation of model parameters and state-of-charge for battery management system of Li-ion battery in EVs. , 2017, , .		6
154	Multi-stage voltage dependent load modelling of fast charging electric vehicle. , 2017, , .		6
155	EV Benefit Evaluation in a Collaborative Scheduling Environment with Penalties for Unscheduled EVs. , 2018, , .		6
156	High Fidelity Equivalent Circuit Model Parameter Extraction for Characterization and Simulation of Li-Ion Cells in Battery Electric Vehicles. Electric Power Components and Systems, 2018, 46, 1672-1685.	1.8	6
157	A dual objective approach for aggregator managed demand side management (DSM) in cloud based cyber physical smart distribution system. Future Generation Computer Systems, 2020, 105, 843-854.	7.5	6
158	Inverse Kinematics Solution for 5-DoF Robotic Manipulator using Meta-heuristic Techniques. , 2021, , .		6
159	C-COVIDNet: A CNN Model for COVID-19 Detection Using Image Processing. Arabian Journal for Science and Engineering, 2022, 47, 10811-10822.	3.0	6
160	Learning Approach for Energy Consumption Forecasting in Residential Microgrid. , 2022, , .		6
161	Optimization of the power generation scheduling in oil-rig platforms using Genetic Algorithm. , 2010, , .		5
162	Eighteen-sector switching strategy for torque ripple reduction of direct torque controlled induction motor drive. International Journal of Power Electronics, 2011, 3, 26.	0.2	5

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163	Potential benefits of electric vehicle deployment as responsive reserve in unit commitment. , 2014, , .		5
164	Simulation-Based Artificial Neural Network Predictive Control of BTX Dividing Wall Column. Arabian Journal for Science and Engineering, 2015, 40, 3393-3407.	1.1	5
165	Observations from study of pre-islanding behaviour in a solar PV system connected to a distribution network. , 2015, , .		5
166	Hardware in the loop based simulation of a robotic system with real time control and animation of working model. , 2017, , .		5
167	Computational geometryâ€based methodology for identification of potential islanding initiators in high solar PV penetration distribution feeders. IET Renewable Power Generation, 2018, 12, 456-462.	3.1	5
168	Corrosion resists Ni, Co co-pigmented nanoporous anodized alumina as spectral selective coating structure for solar thermal applications. Journal of Alloys and Compounds, 2019, 810, 151833.	5.5	5
169	Receding horizon control based on prioritised multi-operational ranges for greenhouse environment regulation. Computers and Electronics in Agriculture, 2021, 180, 105840.	7.7	5
170	CF-PPI: Centroid based new feature extraction approach for Protein-Protein Interaction Prediction. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 1037-1057.	2.8	5
171	Data Driven Approach for Optimal Power Flow in Distribution Network. , 2021, , .		5
172	Direct Torque Controlled Induction Motor Drive with Reduced Torque Ripple. , 2006, , .		4
173	Design, modeling and open-loop control of a BCF mode bio-mimetic Robotic Fish. , 2011, , .		4
174	A compact resonace-based wireless energy transfer system for implanted electronic devices. , 2011, , .		4
175	Fuzzy estimator for sensorless PMBLDC motor drive under speed reversal. , 2011, , .		4
176	Productive use of distributed renewable generation source with electric vehicle in smart grid. , 2014, , .		4
177	Group based Swarm evolution algorithm (GSEA) driven mental task classifier. Memetic Computing, 2015, 7, 19-27.	4.0	4
178	Comparative analysis of Background Subtraction techniques and applications. , 2016, , .		4
179	Optimal provision for enhanced consumer satisfaction and energy savings by an intelligent household energy management system. , 2016, , .		4
180	Smart micro grid test system for agent based energy management system. , 2016, , .		4

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181	Estimation of optimal li-ion battery parameters considering c-rate, SOC and temperature. , 2016, , .		4
182	Feasibility Study of Centralized Multi-agent Self-healing Power System with Superconducting Fault Current Limiter. Technology and Economics of Smart Grids and Sustainable Energy, 2016, 1, 1.	2.6	4
183	A low temperature water-cooled radiation calorimeter for estimation of concentrated solar irradiance. Solar Energy, 2018, 167, 194-209.	6.1	4
184	Modeling and analysis of profit based self scheduling of GENCO in electricity markets with renewable energy penetration and emission constraints. Renewable Energy, 2018, 116, 48-63.	8.9	4
185	Customer Oriented Electric Vehicle Charging Scheduling In Day-ahead Market Via Aggregative Game Model. , 2018, , .		4
186	Parametric Optimization of Logarithmic Transformation using GWO for Enhancement and Denoising of MRI Images. , 2018, , .		4
187	Electronic energy transfer effects of Ti9+ and S9+ ions irradiations upon structural, optical and chemical properties of Kapton-H polymer. Vacuum, 2018, 157, 447-452.	3.5	4
188	An intelligent energy bidding strategy based on opposition theory enabled grey wolf optimizer. , 2018, , .		4
189	Mapping Model for Genesis of Joint Trajectory using Human Gait Dataset. , 2021, , .		4
190	Probabilistic Modeling of Human Locomotion for Biped Robot Trajectory Generation. , 2021, , .		4
191	Implementation and Analysis of Five-Level inverter with Space Vector PWM Algorithm. , 2006, , .		3
192	Design, modeling and open-loop control of a BCF mode bio-mimetic robotic fish. , 2011, , .		3
193	Finding an operating region for a bio-inspired robotic fish underwater vehicle in the Lighthill framework. , 2013, , .		3
194	Direct torque controlled matrix converter fed induction motor drive. , 2014, , .		3
195	One day forth forecasting of hourly electrical load using genetically tuned Support Vector Regression for smart grid frame work. , 2015, , .		3
196	Customer and aggregator balanced dynamic Electric Vehicle charge scheduling in a smart grid framework. , 2016, , .		3
197	Matrix based univariate and multivariate linear approach towards Long Term electrical Load Forecasting. , 2016, , .		3
198	Automated detection of human gait events from conventional videography. , 2016, , .		3

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199	Online voltage stability monitoring of distribution system using optimized Support Vector Machine. , 2016, , .		3
200	Multi agent based energy management system for smart microgrid. , 2017, , .		3
201	Switching state prediction for residential loads with weather data for smart automated demand response. , 2017, , .		3
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