

Rajesh Kumar

List of Publications by Year in descending order

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282
papers

4,609
citations

126708

33
h-index

155451

55
g-index

284
all docs

284
docs citations

284
times ranked

4170
citing authors

#	ARTICLE	IF	CITATIONS
1	CF-PPI: Centroid based new feature extraction approach for Protein-Protein Interaction Prediction. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 1037-1057.	1.8	5
2	Reinforcement learning in robotic applications: a comprehensive survey. Artificial Intelligence Review, 2022, 55, 945-990.	9.7	56
3	Transmission expansion planning using composite teaching learning based optimisation algorithm. Evolutionary Intelligence, 2022, 15, 2691-2713.	2.3	2
4	Kinematic Modeling for Biped Robot Gait Trajectory Using Machine Learning Techniques. Journal of Bionic Engineering, 2022, 19, 355-369.	2.7	12
5	Centralize Energy Storage Scheduling for Prosumers in Residential Microgrid. , 2022, , .		3
6	Cloud Energy Storage Based Embedded Battery Technology Architecture for Residential Users Cost Minimization. IEEE Access, 2022, 10, 43685-43702.	2.6	15
7	Process Optimization of Biodiesel Production Using the Laplacian Harris Hawk Optimization (LHHO) Algorithm. Modelling and Simulation in Engineering, 2022, 2022, 1-13.	0.4	2
8	Biped Robot Data-driven Gait Trajectory Genesis for Traipse Ground Conditions. , 2022, , .		1
9	C-COVIDNet: A CNN Model for COVID-19 Detection Using Image Processing. Arabian Journal for Science and Engineering, 2022, 47, 10811-10822.	1.7	6
10	Integration of High Gain Re-Lift Luo Converter with Buck Converter for Electric Vehicle Application. , 2022, , .		1
11	Human lower limb activity recognition techniques, databases, challenges and its applications using sEMG signal: an overview. Biomedical Engineering Letters, 2022, 12, 343-358.	2.1	15
12	Learning Approach for Energy Consumption Forecasting in Residential Microgrid. , 2022, , .		6
13	Optimal siting and sizing of electric taxi charging stations considering transportation and power system requirements. Energy, 2022, 256, 124572.	4.5	15
14	Receding horizon control based on prioritised multi-operational ranges for greenhouse environment regulation. Computers and Electronics in Agriculture, 2021, 180, 105840.	3.7	5
15	Multi-objective re-tuning of nonlinear model for degrading greenhouse. Progress in Artificial Intelligence, 2021, 10, 37-48.	1.5	0
16	An efficient three-Level parallel ABC algorithm for secondary structure prediction of complex RNA sequences. Applied Soft Computing Journal, 2021, 99, 106848.	4.1	1
17	Performance Evaluation of η Chaotic Map Enabled Grey Wolf Optimizer on Protein Structure Prediction. Algorithms for Intelligent Systems, 2021, , 147-159.	0.5	0
18	An Intelligent Multi Agent based Approach for Autonomous Energy Management in a Microgrid. Electric Power Components and Systems, 2021, 49, 18-31.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Human knee abnormality detection from imbalanced sEMG data. Biomedical Signal Processing and Control, 2021, 66, 102406.	3.5	27
20	Optimal investment and operation of a microgrid to provide electricity and heat. IET Renewable Power Generation, 2021, 15, 2586-2595.	1.7	8
21	Development and application of Quantum Entanglement inspired Particle Swarm Optimization. Knowledge-Based Systems, 2021, 219, 106859.	4.0	24
22	Coordinated Siting and Sizing of Electric Taxi Charging Stations Considering Traffic and Power Systems Conditions. , 2021, , .		1
23	Adsorptive and Kinetic Studies of the Extraction of Toxic Metal Ion from Contaminated Water Using Modified Montmorillonites. Journal of Water Chemistry and Technology, 2021, 43, 321-329.	0.2	1
24	1-(2-Pyridylazo)-2-Naphthol Entrapped Polyacrylamide Hydrogels: Detection of Copper Ions in Water. Journal of Water Chemistry and Technology, 2021, 43, 330-335.	0.2	0
25	A Hybrid WD-EEMD sEMG Feature Extraction Technique for Lower Limb Activity Recognition. IEEE Sensors Journal, 2021, 21, 20431-20439.	2.4	26
26	Bidding strategies of a power producer in power market: measurement indices and evaluation. , 2021, , 635-652.		2
27	Solar Cell Parameter Extraction by Using Harris Hawks Optimization Algorithm. Studies in Computational Intelligence, 2021, , 349-379.	0.7	2
28	Levy Flight Opposition Embedded BAT Algorithm for Model Order Reduction. Springer Tracts in Nature-inspired Computing, 2021, , 103-118.	1.2	3
29	Voting-based 1D CNN model for human lower limb activity recognition using sEMG signal. Physical and Engineering Sciences in Medicine, 2021, 44, 1297-1309.	1.3	14
30	Mapping Model for Genesis of Joint Trajectory using Human Gait Dataset. , 2021, , .		4
31	Data Driven Approach for Optimal Power Flow in Distribution Network. , 2021, , .		5
32	Probabilistic Modeling of Human Locomotion for Biped Robot Trajectory Generation. , 2021, , .		4
33	Modelling and Simulation of Home Energy Management System with Occupants Comfort. , 2021, , .		2
34	Design and Analysis of Trajectory Tracking Controllers for Noisy 2-Link Robotic Manipulator. , 2021, , .		1
35	Inverse Kinematics Solution for 5-DoF Robotic Manipulator using Meta-heuristic Techniques. , 2021, , .		6
36	An Opposition Theory inspired BAT Algorithm(OTIBA) for profit maximization of GENCOs in Day-ahead Power Market. , 2021, , .		0

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37	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.	4.9	6
38	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.	2.7	8
39	A harmonic estimator design with evolutionary operators equipped grey wolf optimizer. Expert Systems With Applications, 2020, 145, 113125.	4.4	40
40	Electric Vehicle Driver Response Evaluation in Multiaggregator Charging Management With EV Routing. IEEE Transactions on Industry Applications, 2020, 56, 6914-6924.	3.3	11
41	Collaborative multi-aggregator electric vehicle charge scheduling with PV-assisted charging stations under variable solar profiles. IET Smart Grid, 2020, 3, 287-299.	1.5	14
42	Chaotic step length artificial bee colony algorithms for protein structure prediction. Journal of Interdisciplinary Mathematics, 2020, 23, 617-629.	0.4	7
43	Aggregated Demand Response Scheduling in Competitive Market Considering Load behavior through Fuzzy Intelligence. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	10
44	Predicting optimal lockdown period with parametric approach using three-phase maturation SIRD model for COVID-19 pandemic. Chaos, Solitons and Fractals, 2020, 138, 109939.	2.5	36
45	User-Willingness-Based Decentralized EV Charging Management in Multiaggregator Scheduling. IEEE Transactions on Industry Applications, 2020, 56, 5704-5715.	3.3	20
46	Short term forecasting based on hourly wind speed data using deep learning algorithms. , 2020, , .		26
47	Chaotic Variants of Grasshopper Optimization Algorithm and Their Application to Protein Structure Prediction. Springer Tracts in Nature-inspired Computing, 2020, , 151-175.	1.2	11
48	Optimized Charge Scheduling of Electric Buses in a City Bus Network. , 2020, , .		2
49	Optimal Number of Wind Turbine in Farm Layout with Power Maximization. , 2020, , .		0
50	Cloud Energy Storage Systems for Consumers and Prosumers in Residential Microgrids. , 2020, , .		9
51	Gated Recurrent Unit (GRU) Based Short Term Forecasting for Wind Energy Estimation. , 2020, , .		7
52	Predictive Analysis of Traditional, Deep Learning and Ensemble Learning Approach for short-term Wind Speed Forecasting. , 2020, , .		7
53	A Comparative Assessment of Machine Learning Techniques for Epilepsy Detection using EEG Signal. , 2020, , .		2
54	Binary whale optimization algorithm: a new metaheuristic approach for profit-based unit commitment problems in competitive electricity markets. Engineering Optimization, 2019, 51, 369-389.	1.5	72

#	ARTICLE	IF	CITATIONS
55	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.	7.2	15
56	State-of-Charge estimation of Li-ion battery at different temperatures using particle filter. Journal of Engineering, 2019, 2019, 5320-5324.	0.6	14
57	Droop control method in power converter system for balancing state-of-charge of energy storage units in EV. Journal of Engineering, 2019, 2019, 4764-4769.	0.6	2
58	The direct synthesis of a substituted naphthopentathiepin for selective Co ²⁺ ion recognition in aqueous solution. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 95, 135-145.	0.9	3
59	Performance comparison analysis of different classifier for early detection of knee osteoarthritis. , 2019, , 243-257.		9
60	Multi-objective synergistic planning of EV fast-charging stations in the distribution system coupled with the transportation network. IET Generation, Transmission and Distribution, 2019, 13, 3421-3432.	1.4	70
61	Electric vehicle charge scheduling (EVCS) with PV assistance for variable energy purchase in a multi-aggregator environment. Journal of Engineering, 2019, 2019, 4836-4840.	0.6	8
62	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.	2.8	5
63	Building Energy Management System: An Overview of Recent Literature Research. , 2019, , .		3
64	Analysis of critical drivers affecting implementation of agent technology in a manufacturing system. Journal of Industrial Engineering International, 2019, 15, 303-313.	1.8	3
65	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.	2.9	43
66	Quick detection of iron in contaminated water before feeding to RO membranes. SN Applied Sciences, 2019, 1, 1.	1.5	3
67	Delay Tolerant Network assisted flying Ad-Hoc network scenario: modeling and analytical perspective. Wireless Networks, 2019, 25, 2675-2695.	2.0	29
68	Optimizing Billing Cost and Revenue in PV - BES Integrated Residential Society. , 2019, , .		0
69	Motion Planning using Reinforcement Learning for Electric Vehicle Battery optimization(EVBO). , 2019, , .		0
70	An Improved Binary Grey Wolf Optimizer (IBGWO) for Unit Commitment Problem in Thermal Generation. , 2019, , .		2
71	Planning of EV Fast Charging Stations for Distribution System Coupled with Transportation Network. , 2019, , .		2
72	FCM Clustering&ANFIS&based PV and wind generation forecasting agent for energy management in a smart microgrid. Journal of Engineering, 2019, 2019, 4852-4857.	0.6	30

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73	Impact of EV fast charging station on distribution system embedded with wind generation. Journal of Engineering, 2019, 2019, 4692-4697.	0.6	10
74	Supplementary frequency control in power systems via decentralised V2G/G2V support. Journal of Engineering, 2019, 2019, 5287-5291.	0.6	8
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.	3.4	16
76	$\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ display}=\text{"inline"} \text{ overflow}=\text{"scroll"} \text{ id}=\text{"d1e10265"} \text{ altimg}=\text{"si80.gif"} \rangle \langle \text{mml:mi} \rangle \text{I}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Chaotic map enabled Grey Wolf Optimizer. Applied Soft Computing Journal, 2019, 75, 84-105.	4.1	82
77	Multiagent-Based Autonomous Energy Management System With Self-Healing Capabilities for a Microgrid. IEEE Transactions on Industrial Informatics, 2019, 15, 6280-6290.	7.2	13
78	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.	4.5	33
79	A robust framework for optimum feature extraction and recognition of P300 from raw EEG. , 2019, , 15-35.		3
80	Machine learning for medical diagnosis: A neural network classifier optimized via the directed bee colony optimization algorithm. , 2019, , 197-215.		10
81	Intelligent Grey Wolf Optimizer " Development and application for strategic bidding in uniform price spot energy market. Applied Soft Computing Journal, 2018, 69, 1-13.	4.1	65
82	A low temperature water-cooled radiation calorimeter for estimation of concentrated solar irradiance. Solar Energy, 2018, 167, 194-209.	2.9	4
83	Electric Vehicle Scheduling Strategy in Residential Demand Response Programs With Neighbor Connection. IEEE Transactions on Industrial Informatics, 2018, 14, 980-988.	7.2	89
84	Multiaggregator Collaborative Electric Vehicle Charge Scheduling Under Variable Energy Purchase and EV Cancellation Events. IEEE Transactions on Industrial Informatics, 2018, 14, 2894-2902.	7.2	52
85	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.	3.4	21
86	Computational geometry-based methodology for identification of potential islanding initiators in high solar PV penetration distribution feeders. IET Renewable Power Generation, 2018, 12, 456-462.	1.7	5
87	Recent developments in human gait research: parameters, approaches, applications, machine learning techniques, datasets and challenges. Artificial Intelligence Review, 2018, 49, 1-40.	9.7	181
88	Multi agent system: concepts, platforms and applications in power systems. Artificial Intelligence Review, 2018, 49, 153-182.	9.7	40
89	Modelling and analysis of resource scheduling in restructured power systems considering wind energy uncertainty. International Journal of Sustainable Energy, 2018, 37, 736-760.	1.3	7
90	Optimal Offering of Demand Response Aggregation Company in Price-Based Energy and Reserve Market Participation. IEEE Transactions on Industrial Informatics, 2018, 14, 578-587.	7.2	16

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91	Investigating the Impact of Load Profile Attributes on Demand Response Exchange. IEEE Transactions on Industrial Informatics, 2018, 14, 1382-1391.	7.2	9
92	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.	4.3	4
93	Functionalized and engineered nanochannels for gas separation. Pure and Applied Chemistry, 2018, 90, 1063-1071.	0.9	7
94	Binary Grey Wolf Optimizer for large scale unit commitment problem. Swarm and Evolutionary Computation, 2018, 38, 251-266.	4.5	132
95	A New Binary Variant of Sine-Cosine Algorithm: Development and Application to Solve Profit-Based Unit Commitment Problem. Arabian Journal for Science and Engineering, 2018, 43, 4041-4056.	1.7	64
96	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.	3.3	31
97	Emotion Detection and Characterization using Facial Features. , 2018, , .		20
98	Customer Oriented Electric Vehicle Charging Scheduling In Day-ahead Market Via Aggregative Game Model. , 2018, , .		4
99	Application of Intelligent Grey Wolf Optimizer for Transient Stability Constrained Optimal Power Flow. , 2018, , .		1
100	Decentralized PEVs Energy Management Scheme for Supplementary Frequency Regulation Considering Mobility Behaviour. , 2018, , .		2
101	Planning of Fast Charging Stations in Distribution System Coupled with Transportation Network for Capturing EV flow. , 2018, , .		1
102	Structured Clanning-Based Ensemble Optimization Algorithm: A Novel Approach for Solving Complex Numerical Problems. Modelling and Simulation in Engineering, 2018, 2018, 1-19.	0.4	0
103	18-Sector Direct Torque Controlled Strategy with Improved Stator Flux Estimator for Induction Motor Drive. , 2018, , .		3
104	Parametric Optimization of Logarithmic Transformation using GWO for Enhancement and Denoising of MRI Images. , 2018, , .		4
105	Receding Horizon Control of Greenhouse Integrated with Fogger and Rooftop Wind Turbine. , 2018, , .		0
106	Discretization schemes Comparison for the Greenhouse Temperature Model. , 2018, , .		1
107	Smart Household Energy Management by Employing EV and BESS as Enabling Technologies. , 2018, , .		1
108	An Empirical Capacity Degradation Modeling and Prognostics of Remaining Useful Life of Li-ion Battery using Unscented Kalman Filter. , 2018, , .		9

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109	Vision based Identification of Joint Coordinates for Marker-less Gait Analysis. Procedia Computer Science, 2018, 132, 68-75.	1.2	13
110	EV Benefit Evaluation in a Collaborative Scheduling Environment with Penalties for Unscheduled EVs. , 2018, , .		6
111	Optimal Power Management of Multiple Battery Units by Power Converter System in Electric Vehicle. , 2018, , .		0
112	An Online Adaptive Intelligent Framework for Customer Willingness Interpretation in Demand Response Exchange. , 2018, , .		1
113	A Singular Spectrum Analysis based Approach to Price Forecasting for a Day Ahead Electricity Market. , 2018, , .		2
114	Hybrid Approach for Short Term Wind Power Forecasting. , 2018, , .		8
115	Residential Demand Response Framework by Incorporating Renewable Energy Sources to Reduce Carbon Footprints. , 2018, , .		1
116	Receding Horizon Control of Naturally Ventilated Greenhouse with Rooftop Wind Turbine. , 2018, , .		1
117	Joint Angle Measurement Using MEMs Based Inertial Sensors for Biped Robot. , 2018, , .		0
118	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.	1.0	6
119	Markov Models Based Short Term Forecasting of Wind Speed for Estimating Day-Ahead Wind Power. , 2018, , .		20
120	A Dynamic Battery Charging Approach for Energy Trading in the Smart Grid. , 2018, , .		0
121	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.	1.6	4
122	Automated Kinematic Analysis Using Holistic Based Human Gait Motion for Biomedical Applications. , 2018, , .		0
123	Optimal Wind Energy Scheduling under Volatile Resource and Market Price Conditions. , 2018, , .		1
124	Application and Development of Enhanced Chaotic Grasshopper Optimization Algorithms. Modelling and Simulation in Engineering, 2018, 2018, 1-14.	0.4	34
125	An intelligent energy bidding strategy based on opposition theory enabled grey wolf optimizer. , 2018, , .		4
126	Low carbon unit commitment (LCUC) with post carbon capture and storage (CCS) technology considering resource sensitivity. Journal of Cleaner Production, 2018, 200, 161-173.	4.6	14

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127	Model-based optimal parameter identification incorporating C-rate, state of charge and temperature effect for advance battery management system in electric vehicles. IET Electrical Systems in Transportation, 2018, 8, 240-250.	1.5	10
128	Voltage-dependent modelling of fast charging electric vehicle load considering battery characteristics. IET Electrical Systems in Transportation, 2018, 8, 221-230.	1.5	27
129	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.	3.8	14
130	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.	3.3	15
131	An agent-based architecture for production scheduling in dynamic job-shop manufacturing system. Automatisierungstechnik, 2018, 66, 492-502.	0.4	10
132	Vision-Based Gender Recognition Using Hybrid Background Subtraction Technique. Communications in Computer and Information Science, 2018, , 651-662.	0.4	0
133	Profit-based conventional resource scheduling with renewable energy penetration. International Journal of Sustainable Energy, 2017, 36, 619-636.	1.3	11
134	Modeling of Carbon Capture Technology Attributes for Unit Commitment in Emission-Constrained Environment. IEEE Transactions on Power Systems, 2017, 32, 662-671.	4.6	36
135	Multi-objective two-level swarm intelligence approach for multiple RNA sequence-structure alignment. Swarm and Evolutionary Computation, 2017, 34, 130-144.	4.5	11
136	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.	1.7	8
137	Selective deposition of Pd nanoparticles in porous PET membrane for hydrogen separation. International Journal of Hydrogen Energy, 2017, 42, 15203-15210.	3.8	18
138	Demand response aggregator coordinated two-stage responsive load scheduling in distribution system considering customer behaviour. IET Generation, Transmission and Distribution, 2017, 11, 1023-1032.	1.4	27
139	Evaluating key factors of sustainable manufacturing in Indian automobile industries using Analytic Hierarchy Process (AHP). , 2017, , .		9
140	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.	3.8	16
141	Optimal parameter estimation of battery model for pivotal automotive battery management system. , 2017, , .		2
142	Operation window constrained strategic energy management of microgrid with electric vehicle and distributed resources. IET Generation, Transmission and Distribution, 2017, 11, 615-626.	1.4	38
143	Termite spatial correlation based particle swarm optimization for unconstrained optimization. Swarm and Evolutionary Computation, 2017, 33, 93-107.	4.5	6
144	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.	8.2	38

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145	State-of-charge estimation for li-ion battery using extended Kalman filter (EKF) and central difference Kalman filter (CDKF). , 2017, , .		27
146	A hybrid approach for gait based gender classification using gei and spatio temporal parameters. , 2017, , .		8
147	Short term wind speed forecasting and wind energy estimation: A case study of Rajasthan. , 2017, , .		10
148	Identification of potential islanding initiators in radial feeders with high solar PV penetration for preemptive preparedness. , 2017, , .		0
149	Multidimensional 0â€“1 Knapsack using directed Bee Colony algorithm. , 2017, , .		1
150	Estimation of state of charge for Li-ion battery using model adaptive extended Kalman filter. , 2017, , .		2
151	Estimation of model parameters and state-of-charge for battery management system of Li-ion battery in EVs. , 2017, , .		6
152	Multi-stage voltage dependent load modelling of fast charging electric vehicle. , 2017, , .		6
153	Hardware in the loop based simulation of a robotic system with real time control and animation of working model. , 2017, , .		5
154	Multi agent based energy management system for smart microgrid. , 2017, , .		3
155	Switching state prediction for residential loads with weather data for smart automated demand response. , 2017, , .		3
156	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.	1.6	6
157	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.	3.1	53
158	Optimal scheduling of uncertain wind energy and demand response in unit commitment using binary grey wolf optimizer (BGWO). , 2016, , .		1
159	Equivalent circuit model parameters estimation of Li-ion battery: C-rate, SOC and temperature effects. , 2016, , .		22
160	Unsupervised learning in islanding studies: Applicability study for predictive detection in high solar PV penetration distribution feeders. , 2016, , .		7
161	Customer and aggregator balanced dynamic Electric Vehicle charge scheduling in a smart grid framework. , 2016, , .		3
162	Receding horizon based greenhouse air temperature control using grey wolf optimization algorithm. , 2016, , .		6

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163	A hybrid approach to price forecasting incorporating exogenous variables for a day ahead electricity Market. , 2016, , .		7
164	Estimation of battery parameters of the equivalent circuit models using meta-heuristic techniques. , 2016, , .		11
165	Matrix based univariate and multivariate linear approach towards Long Term electrical Load Forecasting. , 2016, , .		3
166	Consumer perspective based placement of electric vehicle charging stations by clustering techniques. , 2016, , .		12
167	Effective load scheduling of residential consumers based on dynamic pricing with price prediction capabilities. , 2016, , .		6
168	Automated detection of human gait events from conventional videography. , 2016, , .		3
169	Preemptive mode-change triggering for inverters in response to unintentional islanding situations in high solar PV penetration distribution networks. , 2016, , .		2
170	Comparative analysis of Background Subtraction techniques and applications. , 2016, , .		4
171	Discrete event system framework for analysis and modeling of job shop scheduling system. , 2016, , .		1
172	A cross-platform evaluation of various decision tree algorithms for prognostic analysis of breast cancer data. , 2016, , .		9
173	A framework for human recognition using a multimodel Gait analysis approach. , 2016, , .		10
174	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.	3.3	40
175	Binary fireworks algorithm for profit based unit commitment (PBUC) problem. International Journal of Electrical Power and Energy Systems, 2016, 83, 270-282.	3.3	60
176	Predictive Analytics for Breast Cancer Survivability. , 2016, , .		8
177	Automatic Fault Tolerant Software System for Desktop Grid Middleware. Procedia Computer Science, 2016, 85, 987-994.	1.2	0
178	Statistical identification and classification of potential islanding precursors in a grid-connected Solar Photo Voltaic system. , 2016, , .		2
179	Optimal demand response allocation in resource scheduling with renewable energy penetration. , 2016, , .		1
180	Optimal provision for enhanced consumer satisfaction and energy savings by an intelligent household energy management system. , 2016, , .		4

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181	New Short Term Load Forecasting models based on growth rate scaling and simple averaging. , 2016, , .		1
182	Experimental analysis of parameter variation and power enhancement of concentrated PV module. , 2016, , .		1
183	Joint optimal allocation methodology for renewable distributed generation and energy storage for economic benefits. IET Renewable Power Generation, 2016, 10, 1422-1429.	1.7	42
184	Agent based intelligent fault detection, isolation and restoration in smart power system. , 2016, , .		6
185	Price Based Resource Scheduling with Renewable Energy in Emission Constrained Market Structure. , 2016, , .		0
186	A neural network based breast cancer prognosis model with PCA processed features. , 2016, , .		25
187	Online voltage stability monitoring of distribution system using optimized Support Vector Machine. , 2016, , .		3
188	Estimation of battery parameters of the equivalent circuit model using Grey Wolf Optimization. , 2016, , .		12
189	A preliminary study towards conceptualization and implementation of a load learning model for smart automated demand response. , 2016, , .		6
190	Smart micro grid test system for agent based energy management system. , 2016, , .		4
191	Price prediction techniques for residential demand response using support vector regression. , 2016, , .		7
192	Estimation of optimal li-ion battery parameters considering c-rate, SOC and temperature. , 2016, , .		4
193	Implementation of a fuzzy logic based perturb and observe approach for maximum power point tracking of solar PV modules. , 2016, , .		1
194	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.	1.8	4
195	Strategic optimisation of microgrid by evolving a unitised regenerative fuel cell system operational criterion. International Journal of Sustainable Energy, 2016, 35, 722-733.	1.3	6
196	Fuzzy Logic-Based Gait Phase Detection Using Passive Markers. Advances in Intelligent Systems and Computing, 2016, , 561-572.	0.5	7
197	Ageist Spider Monkey Optimization algorithm. Swarm and Evolutionary Computation, 2016, 28, 58-77.	4.5	70
198	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.	2.3	20

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199	An efficient two-level swarm intelligence approach for RNA secondary structure prediction with bi-objective minimum free energy scores. <i>Swarm and Evolutionary Computation</i> , 2016, 27, 68-79.	4.5	14
200	Identification of spatio-temporal and kinematics parameters for 2-D optical gait analysis system using passive markers. , 2015, , .		20
201	One day forth forecasting of hourly electrical load using genetically tuned Support Vector Regression for smart grid frame work. , 2015, , .		3
202	Strategic plug load management system for smart buildings with rooftop photovoltaic system. , 2015, , .		1
203	Exploration and investigation of potential precursors to unintentional islanding in grid-interfaced solar photo voltaic systems. , 2015, , .		7
204	Binary Fireworks Algorithm Based Thermal Unit Commitment. <i>International Journal of Swarm Intelligence Research</i> , 2015, 6, 87-101.	0.5	26
205	Modeling and model predictive control of dividing wall column for separation of Benzeneâ€“Toluene- <i><i></i></i> Xylene. <i>Systems Science and Control Engineering</i> , 2015, 3, 142-153.	1.8	19
206	Identification of gait parameters from silhouette images. , 2015, , .		13
207	Passive Marker Based Optical System for Gait Kinematics for Lower Extremity. <i>Procedia Computer Science</i> , 2015, 45, 176-185.	1.2	41
208	Group based Swarm evolution algorithm (GSEA) driven mental task classifier. <i>Memetic Computing</i> , 2015, 7, 19-27.	2.7	4
209	A novel two-level particle swarm optimization approach for efficient multiple sequence alignment. <i>Memetic Computing</i> , 2015, 7, 119-133.	2.7	16
210	Mercapto functionalized silica entrapped polyacrylamide hydrogel: Arsenic adsorption behaviour from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2015, 456, 241-245.	5.0	23
211	Classification of mental tasks from EEG data using backtracking search optimization based neural classifier. <i>Neurocomputing</i> , 2015, 166, 397-403.	3.5	39
212	Strategic Energy Management (SEM) in a micro grid with modern grid interactive electric vehicle. <i>Energy Conversion and Management</i> , 2015, 106, 41-52.	4.4	37
213	Simulation-Based Artificial Neural Network Predictive Control of BTX Dividing Wall Column. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 3393-3407.	1.1	5
214	Observations from study of pre-islanding behaviour in a solar PV system connected to a distribution network. , 2015, , .		5
215	Cost-emission analysis of electric vehicle as contingency reserve in resource scheduling. , 2015, , .		0
216	Automated fault tolerant system for control computational power in Desktop Grid. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
217	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.	4.5	6
218	BBO-based small autonomous hybrid power system optimization incorporating wind speed and solar radiation forecasting. Renewable and Sustainable Energy Reviews, 2015, 41, 1366-1375.	8.2	82
219	Productive use of distributed renewable generation source with electric vehicle in smart grid. , 2014, , .		0
220	Potential benefits of electric vehicle deployment as responsive reserve in unit commitment. , 2014, , .		5
221	Explication of a logistic regression driven hypothesis to strengthen derivative approach driven classification for medical diagnosis. , 2014, , .		2
222	Inverse dynamics control of a bio-inspired robotic-fish underwater vehicle propulsion based on Lighthill slender body theory. , 2014, , .		8
223	Short term wind forecasting using logistic regression driven hypothesis in artificial neural network. , 2014, , .		1
224	Productive use of distributed renewable generation source with electric vehicle in smart grid. , 2014, , .		4
225	Direct torque controlled matrix converter fed induction motor drive. , 2014, , .		3
226	Eco-economie sizing of autonomous hybrid energy system (AHES) using particle swarm optimization (PSO). , 2014, , .		2
227	Directed Bee Colony Optimization Algorithm. Swarm and Evolutionary Computation, 2014, 17, 60-73.	4.5	21
228	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.	7.2	183
229	Design analysis and dynamic control of PEM fuel cell for standalone applications. , 2014, , .		6
230	Detection of power quality disturbances using symbolic dynamics. , 2014, , .		2
231	Optimal Thrust Allocation for Semisubmersible Oil Rig Platforms Using Improved Harmony Search Algorithm. IEEE Journal of Oceanic Engineering, 2014, 39, 526-539.	2.1	23
232	Optimal sizing of PV-battery for loss reduction and intermittency mitigation. , 2014, , .		16
233	Centralized multi-agent implementation for securing critical loads in PV based microgrid. Journal of Modern Power Systems and Clean Energy, 2014, 2, 77-86.	3.3	23
234	Short term wind forecasting using logistic regression driven hypothesis in artificial neural network. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
235	Chaos theory based mathematical modelling as manifested from scalp EEG using frequency analysis. , 2013, , .		1
236	OPTIMAL WATER SCHEDULING IN IRRIGATION CANAL NETWORK USING PARTICLE SWARM OPTIMIZATION. Irrigation and Drainage, 2013, 62, 135-144.	0.8	8
237	Adsorption and kinetic studies of cesium ions from aqueous solution by functionalized silica. Desalination and Water Treatment, 2013, 51, 2014-2020.	1.0	8
238	Centralized multi-agent self-healing power system with super conducting fault current limiter. , 2013, , .		9
239	A study on inertia weight schemes with modified particle swarm optimization algorithm for multiple sequence alignment. , 2013, , .		9
240	Finding an operating region for a bio-inspired robotic fish underwater vehicle in the Lighthill framework. , 2013, , .		3
241	Robust model based control of dividing wall column. , 2013, , .		0
242	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.	4.5	128
243	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.	6.2	76
244	Kinematics study and implementation of a biomimetic robotic-fish underwater vehicle based on Lighthill slender body model. , 2012, , .		6
245	Modeling and performance analysis of single substrate based 1Å–4 digital optical switches. , 2012, , .		1
246	Comparative analysis of three phase matrix converter fed induction motor drive. , 2012, , .		2
247	Intra-cluster power management in hierarchical routing protocols for wireless sensor networks. , 2012, , .		0
248	Economic analysis and design of stand-alone wind/photovoltaic hybrid energy system using Genetic algorithm. , 2012, , .		17
249	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.	3.3	50
250	Energy-Efficient Thrust Allocation for Semi-Submersible Oil Rig Platforms Using Improved Harmony Search Algorithm. IEEE Transactions on Industrial Informatics, 2012, 8, 913-924.	7.2	12
251	An Intelligent Tuned Harmony Search algorithm for optimisation. Information Sciences, 2012, 196, 47-72.	4.0	164
252	Design, modeling and open-loop control of a BCF mode bio-mimetic Robotic Fish. , 2011, , .		4

#	ARTICLE	IF	CITATIONS
253	Design, modeling and open-loop control of a BCF mode bio-mimetic robotic fish. , 2011, , .		3
254	Optimization of hybrid PV/wind energy system using Meta Particle Swarm Optimization (MPSO). , 2011, , .		27
255	A compact resonance-based wireless energy transfer system for implanted electronic devices. , 2011, , .		4
256	Fuzzy estimator for sensorless PMSM motor drive under speed reversal. , 2011, , .		4
257	Synthesis, Characterization and Application of a New Chelating Resin Containing 2-(4-Methylbenzylidene)hydrazine. Adsorption Science and Technology, 2011, 29, 917-926.	1.5	2
258	Eighteen-sector switching strategy for torque ripple reduction of direct torque controlled induction motor drive. International Journal of Power Electronics, 2011, 3, 26.	0.1	5
259	A review on particle swarm optimization algorithms and their applications to data clustering. Artificial Intelligence Review, 2011, 35, 211-222.	9.7	223
260	An Improved Harmony Search algorithm for optimal scheduling of the diesel generators in oil rig platforms. Energy Conversion and Management, 2011, 52, 893-902.	4.4	43
261	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.	3.3	134
262	Artificial intelligence applications in Permanent Magnet Brushless DC motor drives. Artificial Intelligence Review, 2010, 33, 175-186.	9.7	31
263	Optimization of the power generation scheduling in oil-rig platforms using Genetic Algorithm. , 2010, , .		5
264	DESIGN OF TWO-DIMENSIONAL INFINITE IMPULSE RESPONSE RECURSIVE FILTERS USING HYBRID MULTIAGENT PARTICLE SWARM OPTIMIZATION. Applied Artificial Intelligence, 2010, 24, 295-312.	2.0	6
265	Efficient solar energy harvester for wireless sensor nodes. , 2010, , .		18
266	Improved Harmony Search algorithm based optimal design of the brushless DC wheel motor. , 2010, , .		12
267	An adaptive neuro-fuzzy based speed sensorless induction motor drives. , 2009, , .		2
268	Optimal placement of Phasor Measurement Units using Particle swarm Optimization. , 2009, , .		23
269	ANFIS Based Intelligent Control of Vector Controlled Induction Motor Drive. , 2009, , .		8
270	A new hybrid multi-agent-based particle swarm optimisation technique. International Journal of Bio-Inspired Computation, 2009, 1, 259.	0.6	25

#	ARTICLE	IF	CITATIONS
271	A Fuzzy Logic Based Power Electronic System for Wind Energy Conversion Scheme. , 2007, , .		1
272	Identification and Control of PMSM Using Artificial Neural Network. , 2007, , .		24
273	Intelligent Tuned PID Controllers for PMSM Drive - A Critical Analysis. , 2006, , .		23
274	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
275	12-Sector Methodology of Torque Ripple Reduction in a Direct Torque Controlled Induction Motor Drive. , 2006, , .		14
276	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
277	Gas permeation study of Ti-coated, track-etched polymeric membranes. Vacuum, 2006, 81, 389-393.	1.6	22
278	Direct Torque Controlled Induction Motor Drive with Reduced Torque Ripple. , 2006, , .		4
279	Implementation and Analysis of Five-Level inverter with Space Vector PWM Algorithm. , 2006, , .		3
280	Fuzzy Tuned PID Controller Based PFC Converter-Inverter Fed SRM Drive. , 2006, , .		8
281	Optimized Clustering Techniques for Gait Profiling in Children with Cerebral Palsy for Rehabilitation. Computer Journal, 0, , .	1.5	0
282	Quantum Entanglement inspired Grey Wolf optimization algorithm and its application. Evolutionary Intelligence, 0, , .	2.3	1