

# Bijaya K Panigrahi

## List of Publications by Citations

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401  
papers

9,625  
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51  
h-index

84  
g-index

469  
ext. papers

12,156  
ext. citations

4.5  
avg, IF

7.09  
L-index

#	Paper	IF	Citations
401	Detection and Classification of Power Quality Disturbances Using S-Transform and Probabilistic Neural Network. <i>IEEE Transactions on Power Delivery</i> , <b>2008</b> , 23, 280-287	4.3	305
400	Power quality analysis using S-transform. <i>IEEE Transactions on Power Delivery</i> , <b>2003</b> , 18, 406-411	4.3	264
399	Adaptive particle swarm optimization approach for static and dynamic economic load dispatch. <i>Energy Conversion and Management</i> , <b>2008</b> , 49, 1407-1415	10.6	245
398	Multiobjective Particle Swarm Algorithm With Fuzzy Clustering for Electrical Power Dispatch. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2008</b> , 12, 529-541	15.6	224
397	Bacterial foraging optimisation: NelderMead hybrid algorithm for economic load dispatch. <i>IET Generation, Transmission and Distribution</i> , <b>2008</b> , 2, 556	2.5	194
396	Power Quality Disturbance Classification Using Fuzzy C-Means Algorithm and Adaptive Particle Swarm Optimization. <i>IEEE Transactions on Industrial Electronics</i> , <b>2009</b> , 56, 212-220	8.9	178
395	Exploratory power of the harmony search algorithm: analysis and improvements for global numerical optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , <b>2011</b> , 41, 89-106		177
394	Tsallis entropy based optimal multilevel thresholding using cuckoo search algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2013</b> , 11, 16-30	9.8	167
393	Investigation of Vibration Signatures for Multiple Fault Diagnosis in Variable Frequency Drives Using Complex Wavelets. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 936-945	7.2	155
392	Optimal coordination of directional over-current relays using Teaching Learning-Based Optimization (TLBO) algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 50, 33-41	5.1	152
391	A hybridization of an improved particle swarm optimization and gravitational search algorithm for multi-robot path planning. <i>Swarm and Evolutionary Computation</i> , <b>2016</b> , 28, 14-28	9.8	145
390	Prediction and analysis of COVID-19 positive cases using deep learning models: A descriptive case study of India. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 139, 110017	9.3	140
389	Automated Diagnosis of Epilepsy Using Key-Point-Based Local Binary Pattern of EEG Signals. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2017</b> , 21, 888-896	7.2	139
388	Hybrid flower pollination algorithm with time-varying fuzzy selection mechanism for wind integrated multi-objective dynamic economic dispatch. <i>Renewable Energy</i> , <b>2015</b> , 83, 188-202	8.1	136
387	Cyclic electric load forecasting by seasonal SVR with chaotic genetic algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 44, 604-614	5.1	134
386	A clonal algorithm to solve economic load dispatch. <i>Electric Power Systems Research</i> , <b>2007</b> , 77, 1381-1389	9.5	134
385	Optimal feature selection for classification of power quality disturbances using wavelet packet-based fuzzy k-nearest neighbour algorithm. <i>IET Generation, Transmission and Distribution</i> , <b>2009</b> , 3, 296-306	2.5	115

384	A novel robust diagnostic model to detect seizures in electroencephalography. <i>Expert Systems With Applications</i> , <b>2016</b> , 56, 116-130	7.8	114
383	Vibration Analysis Based Interturn Fault Diagnosis in Induction Machines. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 340-350	11.9	109
382	Detection and classification of power quality disturbances using S-transform and modular neural network. <i>Electric Power Systems Research</i> , <b>2008</b> , 78, 122-128	3.5	109
381	Streamflow forecasting by SVM with quantum behaved particle swarm optimization. <i>Neurocomputing</i> , <b>2013</b> , 101, 18-23	5.4	107
380	Multi-objective node deployment in WSNs: In search of an optimal trade-off among coverage, lifetime, energy consumption, and connectivity. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 405-416	7.2	96
379	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 322-331	11.9	96
378	Dynamic economic load dispatch using hybrid swarm intelligence based harmony search algorithm. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 8509-8514	7.8	96
377	Ant lion optimization for short-term wind integrated hydrothermal power generation scheduling. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 83, 158-174	5.1	94
376	Multiobjective fuzzy dominance based bacterial foraging algorithm to solve economic emission dispatch problem. <i>Energy</i> , <b>2010</b> , 35, 4761-4770	7.9	91
375	Deep transfer learning-based automated detection of COVID-19 from lung CT scan slices. <i>Applied Intelligence</i> , <b>2020</b> , 51, 1-15	4.9	90
374	Rapid MPPT for Uniformly and Partial Shaded PV System by Using JayaDE Algorithm in Highly Fluctuating Atmospheric Conditions. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 2406-2416	11.9	86
373	Binary Grey Wolf Optimizer for large scale unit commitment problem. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 38, 251-266	9.8	86
372	MPPT in Dynamic Condition of Partially Shaded PV System by Using WODE Technique. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 1204-1214	8.2	85
371	A hybrid SVM-PSO model for forecasting monthly streamflow. <i>Neural Computing and Applications</i> , <b>2014</b> , 24, 1381-1389	4.8	84
370	Harmony search algorithm for transmission network expansion planning. <i>IET Generation, Transmission and Distribution</i> , <b>2010</b> , 4, 663	2.5	83
369	A Support Vector Machine-Firefly Algorithm based forecasting model to determine malaria transmission. <i>Neurocomputing</i> , <b>2014</b> , 129, 279-288	5.4	81
368	A hybrid wavelet-ELM based short term price forecasting for electricity markets. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 55, 41-50	5.1	81
367	Power quality disturbance data compression, detection, and classification using integrated spline wavelet and S-transform. <i>IEEE Transactions on Power Delivery</i> , <b>2003</b> , 18, 595-600	4.3	79

366	An integrated wavelet-support vector machine for groundwater level prediction in Visakhapatnam, India. <i>Neurocomputing</i> , <b>2014</b> , 145, 324-335	5.4	78
365	Multi-objective optimization with artificial weed colonies. <i>Information Sciences</i> , <b>2011</b> , 181, 2441-2454	7.7	78
364	High impedance fault detection in power distribution networks using time-frequency transform and probabilistic neural network. <i>IET Generation, Transmission and Distribution</i> , <b>2008</b> , 2, 261	2.5	76
363	Single Sensor-Based MPPT of Partially Shaded PV System for Battery Charging by Using Cauchy and Gaussian Sine Cosine Optimization. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 983-992	5.4	75
362	Joint-Transformation-Based Detection of False Data Injection Attacks in Smart Grid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 89-97	11.9	73
361	A hybrid improved PSO-DV algorithm for multi-robot path planning in a clutter environment. <i>Neurocomputing</i> , <b>2016</b> , 207, 735-753	5.4	68
360	A Biologically Inspired Modified Flower Pollination Algorithm for Solving Economic Dispatch Problems in Modern Power Systems. <i>Cognitive Computation</i> , <b>2015</b> , 7, 594-608	4.4	64
359	Energy and spinning reserve scheduling for a wind-thermal power system using CMA-ES with mean learning technique. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 53, 113-122	5.1	62
358	Self-Adaptive Incremental Conductance Algorithm for Swift and Ripple-Free Maximum Power Harvesting From PV Array. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2031-2041	11.9	59
357	Ageist Spider Monkey Optimization algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2016</b> , 28, 58-77	9.8	55
356	Development of an artificial neural network based multi-model ensemble to estimate the northeast monsoon rainfall over south peninsular India: an application of extreme learning machine. <i>Climate Dynamics</i> , <b>2014</b> , 43, 1303-1310	4.2	54
355	Neighborhood Search-Driven Accelerated Biogeography-Based Optimization for Optimal Load Dispatch. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2012</b> , 42, 641-652		54
354	Framework of Maximum Power Extraction From Solar PV Panel Using Self Predictive Perturb and Observe Algorithm. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 895-903	8.2	54
353	Economic Load Dispatch Using Hybrid Swarm Intelligence Based Harmony Search Algorithm. <i>Electric Power Components and Systems</i> , <b>2011</b> , 39, 751-767	1	52
352	Multiobjective bacteria foraging algorithm for electrical load dispatch problem. <i>Energy Conversion and Management</i> , <b>2011</b> , 52, 1334-1342	10.6	52
351	Meta-heuristic framework: Quantum inspired binary grey wolf optimizer for unit commitment problem. <i>Computers and Electrical Engineering</i> , <b>2018</b> , 70, 243-260	4.3	52
350	Hydro-thermal-wind scheduling employing novel ant lion optimization technique with composite ranking index. <i>Renewable Energy</i> , <b>2016</b> , 99, 18-34	8.1	50
349	Classification of disturbances in hybrid DG system using modular PNN and SVM. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 44, 764-777	5.1	49

348	A multiobjective framework for wind speed prediction interval forecasts. <i>Renewable Energy</i> , <b>2016</b> , 87, 903-910	8.1	48
347	Congestion management using adaptive bacterial foraging algorithm. <i>Energy Conversion and Management</i> , <b>2009</b> , 50, 1202-1209	10.6	47
346	Normal Harmonic Search Algorithm-Based MPPT for Solar PV System and Integrated With Grid Using Reduced Sensor Approach and PNKLMS Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 6343-6352	4.3	46
345	Binary fireworks algorithm for profit based unit commitment (PBUC) problem. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 83, 270-282	5.1	46
344	Performance Evaluation of PLC Under the Combined Effect of Background and Impulsive Noises. <i>IEEE Communications Letters</i> , <b>2015</b> , 19, 1117-1120	3.8	44
343	AI-based approach to identify compromised meters in data integrity attacks on smart grid. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 1052-1066	2.5	44
342	Optimal coordination of directional over-current relays using informative differential evolution algorithm. <i>Journal of Computational Science</i> , <b>2014</b> , 5, 269-276	3.4	44
341	Non-stationary power signal processing for pattern recognition using HS-transform. <i>Applied Soft Computing Journal</i> , <b>2009</b> , 9, 107-117	7.5	44
340	A New Binary Variant of Sine-Cosine Algorithm: Development and Application to Solve Profit-Based Unit Commitment Problem. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 4041-4056	2.5	43
339	Hybrid signal processing and machine intelligence techniques for detection, quantification and classification of power quality disturbances. <i>Engineering Applications of Artificial Intelligence</i> , <b>2009</b> , 22, 442-454	7.2	43
338	Application of a multivariable feedback linearization scheme for STATCOM control. <i>Electric Power Systems Research</i> , <b>2002</b> , 62, 81-91	3.5	43
337	A New Wide-Area Backup Protection Scheme for Series-Compensated Transmission System. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1877-1887	4.3	42
336	Accelerated biogeography-based optimization with neighborhood search for optimization. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 2318-2342	7.5	42
335	Maximum Power Peak Detection of Partially Shaded PV Panel by Using Intelligent Monkey King Evolution Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5734-5743	4.3	42
334	Implementation of Multilayer Fifth-Order Generalized Integrator-Based Adaptive Control for Grid-Tied Solar PV Energy Conversion System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2857-2868	11.0	42
333	Seamless Transfer of Renewable-Based Microgrid Between Utility Grid and Diesel Generator. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 8427-8437	7.2	42
332	Incipient Turn Fault Detection and Condition Monitoring of Induction Machine Using Analytical Wavelet Transform. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2235-2242	4.3	41
331	Review of control and fault diagnosis methods applied to coal mills. <i>Journal of Process Control</i> , <b>2015</b> , 32, 138-153	3.9	40

330	Integration of Solar PV With Low-Voltage Weak Grid System: Using Maximize-M Kalman Filter and Self-Tuned P&O Algorithm. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9013-9022	8.9	39
329	Binary whale optimization algorithm: a new metaheuristic approach for profit-based unit commitment problems in competitive electricity markets. <i>Engineering Optimization</i> , <b>2019</b> , 51, 369-389	2	38
328	Leaky-Least-Logarithmic-Absolute-Difference-Based Control Algorithm and Learning-Based InC MPPT Technique for Grid-Integrated PV System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9003-9012	8.9	38
327	LLMLF-Based Control Approach and LPO MPPT Technique for Improving Performance of a Multifunctional Three-Phase Two-Stage Grid Integrated PV System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 371-380	8.2	38
326	A New Approach to Power System Disturbance Assessment Using Wide-Area Postdisturbance Records. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 1253-1261	11.9	37
325	Power transformer protection using S-transform with complex window and pattern recognition approach. <i>IET Generation, Transmission and Distribution</i> , <b>2007</b> , 1, 278	2.5	36
324	Time-frequency transform approach for protection of parallel transmission lines. <i>IET Generation, Transmission and Distribution</i> , <b>2007</b> , 1, 30	2.5	36
323	Multi-robot path planning in a dynamic environment using improved gravitational search algorithm. <i>Journal of Electrical Systems and Information Technology</i> , <b>2016</b> , 3, 295-313	2	34
322	PNKLMF-Based Neural Network Control and Learning-Based HC MPPT Technique for Multiobjective Grid Integrated Solar PV Based Distributed Generating System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3732-3742	11.9	33
321	Multi-period wind integrated optimal dispatch using series PSO-DE with time-varying Gaussian membership function based fuzzy selection. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 73, 259-272	5.1	32
320	Multiaggregator Collaborative Electric Vehicle Charge Scheduling Under Variable Energy Purchase and EV Cancellation Events. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2894-2902	11.9	32
319	An overview and comparative analysis of recent bio-inspired optimization techniques for wind integrated multi-objective power dispatch. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 38, 12-34	9.8	32
318	Single sensor based MPPT for partially shaded solar photovoltaic by using human psychology optimisation algorithm. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 2562-2574	2.5	32
317	Comparative study of five bio-inspired evolutionary optimization techniques <b>2009</b> ,		32
316	Distributed resource scheduling in smart grid with electric vehicle deployment using fireworks algorithm. <i>Journal of Modern Power Systems and Clean Energy</i> , <b>2016</b> , 4, 188-199	4	32
315	Transmission line fault detection and location using Wide Area Measurements. <i>Electric Power Systems Research</i> , <b>2017</b> , 151, 96-105	3.5	31
314	Integration of Solar PV With Low-Voltage Weak Grid System: Using Normalized Laplacian Kernel Adaptive Kalman Filter and Learning Based InC Algorithm. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10746-10758	7.2	31
313	. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 2101-2104	3.8	30

312	Hybrid methodology for fault distance estimation in series compensated transmission line. <i>IET Generation, Transmission and Distribution</i> , <b>2013</b> , 7, 431-439	2.5	30
311	Strategic Energy Management (SEM) in a micro grid with modern grid interactive electric vehicle. <i>Energy Conversion and Management</i> , <b>2015</b> , 106, 41-52	10.6	29
310	Hybrid MPSO-CNN: Multi-level Particle Swarm optimized hyperparameters of Convolutional Neural Network. <i>Swarm and Evolutionary Computation</i> , <b>2021</b> , 63, 100863	9.8	28
309	Framework of Gradient Descent Least Squares Regression-Based NN Structure for Power Quality Improvement in PV-Integrated Low-Voltage Weak Grid System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9724-9733	8.9	28
308	Solution to unit commitment in power system operation planning using binary coded modified moth flame optimization algorithm (BMMFOA): A flame selection based computational technique. <i>Journal of Computational Science</i> , <b>2018</b> , 25, 298-317	3.4	27
307	A spatially informative optic flow model of bee colony with saccadic flight strategy for global optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 1884-97	10.2	27
306	Phase Fault Protection Scheme for Reliable Operation of Microgrids. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2646-2655	4.3	26
305	Face recognition using bacterial foraging strategy. <i>Swarm and Evolutionary Computation</i> , <b>2011</b> , 1, 138-146	6.8	26
304	Incipient interturn fault diagnosis in induction machines using an analytic wavelet-based optimized Bayesian inference. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 990-1001	10.3	25
303	An Efficient Hybrid Approach for Volt/Var Control in Distribution Systems. <i>IEEE Transactions on Power Delivery</i> , <b>2014</b> , 29, 1780-1788	4.3	25
302	Deep learning networks for capacity estimation for monitoring SOH of Li-ion batteries for electric vehicles. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 3113-3128	4.5	25
301	Demand response aggregator coordinated two-stage responsive load scheduling in distribution system considering customer behaviour. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 1023-1032	2.5	24
300	Intelligent Decision Support System for Detection and Root Cause Analysis of Faults in Coal Mills. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2017</b> , 25, 934-944	8.3	24
299	Adaptive complex unscented Kalman filter for frequency estimation of time-varying signals. <i>IET Science, Measurement and Technology</i> , <b>2010</b> , 4, 93-103	1.5	24
298	Time-Coordinated Multienergy Management of Smart Buildings Under Uncertainties. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4788-4798	11.9	23
297	Adaptive distance relay setting for parallel transmission network connecting wind farms and UPFC. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 65, 113-123	5.1	23
296	Bio-inspired optimisation for economic load dispatch: a review. <i>International Journal of Bio-Inspired Computation</i> , <b>2014</b> , 6, 7	2.9	23
295	Operation window constrained strategic energy management of microgrid with electric vehicle and distributed resources. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 615-626	2.5	23

294	Transmission line fault detection and classification <b>2011</b> ,		23
293	Power signal classification using dynamic wavelet network. <i>Applied Soft Computing Journal</i> , <b>2009</b> , 9, 118-125		23
292	A Composite Sliding Mode Controller for Wind Power Extraction in Remotely Located Solar PV/Wind Hybrid System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 5321-5331	8.9	23
291	Robustly Coordinated Bi-Level Energy Management of a Multi-Energy Building Under Multiple Uncertainties. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 3-13	8.2	23
290	Bi-level modelling of false data injection attacks on security constrained optimal power flow. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 3586-3593	2.5	22
289	A New Adaptive Dependability-Security Approach to Enhance Wide Area Back-Up Protection of Transmission System. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6378-6386	10.7	22
288	An inertia-adaptive particle swarm system with particle mobility factor for improved global optimization. <i>Neural Computing and Applications</i> , <b>2012</b> , 21, 237-250	4.8	22
287	Brain Storming Incorporated Teaching-Learning-Based Algorithm with Application to Electric Power Dispatch. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 476-483	0.9	22
286	A strategical game theoretic based demand response model for residential consumers in a fair environment. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2018</b> , 97, 201-210	5.1	22
285	Koopman Analysis Based Wide-Area Back-Up Protection and Faulted Line Identification for Series-Compensated Power Network. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 2634-2644	4.3	21
284	. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 1846-1854	4.3	21
283	Modeling of Carbon Capture Technology Attributes for Unit Commitment in Emission-Constrained Environment. <i>IEEE Transactions on Power Systems</i> , <b>2017</b> , 32, 662-671	7	20
282	A Smarter Method for Self-Sustainable Buildings: Using Multiagent Systems as an Effective Alternative for Managing Energy Operations. <i>IEEE Consumer Electronics Magazine</i> , <b>2018</b> , 7, 32-41	3.2	20
281	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 524-531	11.9	20
280	Black hole attack detection in vehicular ad-hoc network using secure AODV routing algorithm. <i>Microprocessors and Microsystems</i> , <b>2021</b> , 80, 103352	2.4	20
279	Delay Tolerant Network assisted flying Ad-Hoc network scenario: modeling and analytical perspective. <i>Wireless Networks</i> , <b>2019</b> , 25, 2675-2695	2.5	19
278	Hybrid swarm intelligence methods for energy management in hybrid electric vehicles. <i>IET Electrical Systems in Transportation</i> , <b>2013</b> , 3, 22-29	2.1	19
277	Economic load dispatch using population-variance harmony search algorithm. <i>Transactions of the Institute of Measurement and Control</i> , <b>2012</b> , 34, 746-754	1.8	19



276	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 4408-4415	4.3	18
275	Transfer learning-based ensemble support vector machine model for automated COVID-19 detection using lung computerized tomography scan data. <i>Medical and Biological Engineering and Computing</i> , <b>2021</b> , 59, 825-839	3.1	18
274	Binary grey wolf optimizer models for profit based unit commitment of price-taking GENCO in electricity market. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 44, 957-971	9.8	18
273	Rainfall prediction for the Kerala state of India using artificial intelligence approaches. <i>Computers and Electrical Engineering</i> , <b>2018</b> , 70, 66-73	4.3	18
272	An enhanced approach to optimally place the solar powered electric vehicle charging station in distribution network. <i>Journal of Energy Storage</i> , <b>2021</b> , 42, 103090	7.8	18
271	Gravitational Search Based Algorithm for Optimal Coordination of Directional Overcurrent Relays Using User Defined Characteristic. <i>Electric Power Components and Systems</i> , <b>2018</b> , 46, 43-55	1	17
270	Data integrity attack in smart grid: optimised attack to gain momentary economic profit. <i>IET Generation, Transmission and Distribution</i> , <b>2016</b> , 10, 4032-4039	2.5	17
269	Dynamic economic dispatch using harmony search algorithm with modified differential mutation operator. <i>Electrical Engineering</i> , <b>2012</b> , 94, 197-205	1.5	17
268	Optimal Power Flow with Multiple Data Uncertainties. <i>Electric Power Systems Research</i> , <b>2013</b> , 95, 160-167	3.5	17
267	Optimal coordination of electro-mechanical-based overcurrent relays using artificial bee colony algorithm. <i>International Journal of Bio-Inspired Computation</i> , <b>2013</b> , 5, 267	2.9	17
266	Modified biogeography-based optimisation (MBBO). <i>International Journal of Bio-Inspired Computation</i> , <b>2011</b> , 3, 252	2.9	17
265	Multivariable nonlinear control of STATCOM for synchronous generator stabilization. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2004</b> , 26, 37-48	5.1	17
264	Auto-Diagnosis of COVID-19 Using Lung CT Images With Semi-Supervised Shallow Learning Network. <i>IEEE Access</i> , <b>2021</b> , 9, 28716-28728	3.5	17
263	Grid synchronisation framework for partially shaded solar PV-based microgrid using intelligent control strategy. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 829-837	2.5	16
262	A New Decentralized Approach to Wide-Area Back-Up Protection of Transmission Lines. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 3161-3168	4.3	16
261	Indian summer monsoon rainfall prediction: A comparison of iterative and non-iterative approaches. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 70, 1122-1134	7.5	16
260	A quantum bi-directional self-organizing neural network (QBDSO) architecture for binary object extraction from a noisy perspective. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 46, 731-752	7.5	16
259	Point and prediction interval estimation for electricity markets with machine learning techniques and wavelet transforms. <i>Neurocomputing</i> , <b>2013</b> , 118, 301-310	5.4	16

258	Large-scale multi-zone optimal power dispatch using hybrid hierarchical evolution technique. <i>Journal of Engineering</i> , <b>2014</b> , 2014, 71-80	0.7	16
257	Application of Artificial Bee Colony to economic load dispatch problem with ramp rate limits and prohibited operating zones <b>2009</b> ,		16
256	Economic Load Dispatch by Hybrid Swarm Intelligence Based Gravitational Search Algorithm. <i>International Journal of Intelligent Systems and Applications</i> , <b>2013</b> , 5, 21-32	1.5	16
255	Electricity price classification using extreme learning machines. <i>Neural Computing and Applications</i> , <b>2016</b> , 27, 9-18	4.8	15
254	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3037-3045	4.3	14
253	Performance Improvement of Grid-Integrated Solar PV System Using DNLMS Control Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 78-91	4.3	14
252	ANOVA Kernel Kalman Filter for Multi-Objective Grid Integrated Solar Photovoltaic-Distribution Static Compensator. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2019</b> , 66, 4256-4264	3.9	14
251	Dynamic economic dispatch using Lbest-PSO with dynamically varying sub-swarms. <i>Memetic Computing</i> , <b>2014</b> , 6, 85-95	3.4	14
250	Fog Computing Employed Computer Aided Cancer Classification System Using Deep Neural Network in Internet of Things Based Healthcare System. <i>Journal of Medical Systems</i> , <b>2019</b> , 44, 34	5.1	14
249	A Voltage Support Control Strategy for Grid Integrated Solar PV System During Abnormal Grid Conditions Utilizing Interweaved GI. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 8149-8157	8.9	14
248	A Digital Disturbance Estimator (DDE) for Multiobjective Grid Connected Solar PV Based Distributed Generating System. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5318-5330	4.3	14
247	Low carbon unit commitment (LCUC) with post carbon capture and storage (CCS) technology considering resource sensitivity. <i>Journal of Cleaner Production</i> , <b>2018</b> , 200, 161-173	10.3	13
246	A hybrid protection scheme to mitigate the effect of distributed generation on relay coordination in distribution system <b>2013</b> ,		13
245	A micro-bacterial foraging algorithm for high-dimensional optimization <b>2009</b> ,		13
244	Improved Harmony Search for Economic Power Dispatch <b>2009</b> ,		13
243	Optimal placement and sizing of FACTS devices for optimal power flow in a wind power integrated electrical network. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 6753-6774	4.8	13
242	Planning the coordination of overcurrent relays for distribution systems considering network reconfiguration and load restoration. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 1672-1679	2.5	12
241	A Multiobjective Bacterial Foraging Algorithm to Solve the Environmental Economic Dispatch Problem. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , <b>2014</b> , 9, 236-247	3.1	12

240	Variational mode decomposition-based power system disturbance assessment to enhance WA situational awareness and post-mortem analysis. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 3287-3298	2.5	12
239	Transmission network expansion planning with adaptive particle swarm optimization <b>2009</b> ,		12
238	Dynamic economic load dispatch with wind energy using modified harmony search. <i>International Journal of Bio-Inspired Computation</i> , <b>2010</b> , 2, 282	2.9	12
237	A hybrid unscented filtering and particle swarm optimization technique for harmonic analysis of nonstationary signals. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2010</b> , 43, 1447-1457	4.6	12
236	A Rapid Circle Centre-Line Concept-Based MPPT Algorithm for Solar Photovoltaic Energy Conversion Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 940-949	3.9	12
235	A unified thermo-mechanical model for coal mill operation. <i>Control Engineering Practice</i> , <b>2015</b> , 44, 157-171	3.1	11
234	Enhanced SOGI Controller for Weak Grid Integrated Solar PV System. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1208-1217	5.4	11
233	Seamless Control of Solar PV Grid Interfaced System With Islanding Operation. <i>IEEE Power and Energy Technology Systems Journal</i> , <b>2019</b> , 6, 162-171	4.3	11
232	Genetic-based bacteria foraging to optimise energy management of hybrid electric vehicles. <i>IET Electrical Systems in Transportation</i> , <b>2014</b> , 4, 53-61	2.1	11
231	Hybrid Bacterial Foraging with parameter free PSO <b>2009</b> ,		11
230	Bacterial Foraging Optimization Technique Cascaded with Adaptive Filter to Enhance Peak Signal to Noise Ratio from Single Image. <i>IETE Journal of Research</i> , <b>2009</b> , 55, 173	0.9	11
229	Steepest Descent Laplacian Regression Based Neural Network Approach for Optimal Operation of Grid Supportive Solar PV Generation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 1947-1951	3.5	11
228	A Cyber-Secure Distributed Control Architecture for Autonomous AC Microgrid. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3324-3335	4.3	11
227	Automated Diagnosis of COVID-19 Using Deep Features and Parameter Free BAT Optimization. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2021</b> , 9, 1800209	3	11
226	Development in energy storage system for electric transportation: A comprehensive review. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103153	7.8	11
225	A Framework of L-HC and AM-MKF for Accurate Harmonic Supportive Control Schemes. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 5246-5256	3.9	10
224	Computational Intelligence for Demand Response Exchange Considering Temporal Characteristics of Load Profile via Adaptive Fuzzy Inference System. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2018</b> , 2, 235-245	4.1	10
223	Wind ramp event prediction with parallelized gradient boosted regression trees <b>2016</b> ,		10

222	Dynamic Energy Balancing Cost Model for Day Ahead Markets With Uncertain Wind Energy and Generation Contingency Under Demand Response. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4908-4916	4.3	10
221	Pheromone-Based Crossover Operator Applied to Distribution System Reconfiguration. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 4144-4151	7	10
220	An MPC Based Algorithm for a Multipurpose Grid Integrated Solar PV System With Enhanced Power Quality and PCC Voltage Assist. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1469-1478	5.4	10
219	A Quantum-Inspired Self-Supervised Network model for automatic segmentation of brain MR images. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 93, 106348	7.5	9
218	Demand side management with consumer clusters in cyber-physical smart distribution system considering price-based and reward-based scheduling programs. <i>IET Cyber-Physical Systems: Theory and Applications</i> , <b>2017</b> , 2, 75-83	2.5	9
217	Secrecy Capacity in CRN With Malicious Energy Harvester Using Game Theoretic Techniques. <i>IEEE Transactions on Cognitive Communications and Networking</i> , <b>2017</b> , 3, 343-360	6.6	9
216	Classification of patients with tumor using MR FLAIR images. <i>Pattern Recognition Letters</i> , <b>2020</b> , 139, 1124-117	4.17	9
215	A comparative account of modelling seizure detection system using wavelet techniques. <i>International Journal of Systems Science: Operations and Logistics</i> , <b>2017</b> , 4, 41-52	2.6	8
214	Transfer Learning Based Brain Tumor Detection and Segmentation using Superpixel Technique <b>2020</b> ,		8
213	Intuitive control technique for grid connected partially shaded solar PV-based distributed generating system. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 600-607	2.9	8
212	Analysis and Mitigation of the Impact of Ancillary Services on Anti-Islanding Protection of Distributed Generators. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 2950-2961	8.2	8
211	Online detection of tripped transmission line to improve wide-area SA in power transmission system. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 288-294	2.5	8
210	Optimal Offering of Demand Response Aggregation Company in Price-Based Energy and Reserve Market Participation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 578-587	11.9	8
209	Investigating the Impact of Load Profile Attributes on Demand Response Exchange. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 1382-1391	11.9	8
208	Dynamic incentive framework for demand response in distribution system using moving time horizon control. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 4338-4347	2.5	8
207	Differential evolution based score level fusion for multi-modal biometric systems <b>2014</b> ,		8
206	Harmonic optimised 24-pulse voltage source converter for high voltage DC systems. <i>IET Power Electronics</i> , <b>2009</b> , 2, 563-573	2.2	8
205	VSC Based HVDC System for Passive Network with Fuzzy Controller <b>2006</b> ,		8

204	On the Performance of a PLC System Assuming Differential Binary Phase Shift Keying. <i>IEEE Communications Letters</i> , <b>2016</b> , 20, 668-671	3.8	8
203	Hybrid technique for optimal location and cost sizing of thyristor controlled series compensator to upgrade voltage stability. <i>IET Generation, Transmission and Distribution</i> , <b>2016</b> , 10, 1921-1927	2.5	8
202	Prediction and control of transient stability using system integrity protection schemes. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 1247-1254	2.5	8
201	Recursive Least Squares-Based Adaptive Parameter Estimation Scheme for Signal Transformation and Grid Synchronization. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 2427-2439 <sup>5,6,8</sup>	5.6	8
200	Adaptive Current Control for a Bidirectional Interleaved EV Charger With Disturbance Rejection. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4080-4090	4.3	8
199	Multi-sequential MR brain image classification for tumor detection. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 32, 3575-3583	1.6	7
198	An extreme learning machine based fast and accurate adaptive distance relaying scheme. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 73, 1002-1014	5.1	7
197	User-Willingness-Based Decentralized EV Charging Management in Multiaggregator Scheduling. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5704-5715	4.3	7
196	A multi objective approach for placement of multiple DGs in the radial distribution system. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2019</b> , 10, 2027-2041	3.8	7
195	Impact of Load Profile on Dynamic Interactions Between Energy Markets: A Case Study of Power Exchange and Demand Response Exchange. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 5855-5866 <sup>11,9</sup>	11.9	7
194	Event-Triggered Vulnerable Relay Identification and Supervision to Prevent Zone-3 Mal-Operations. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3368-3375	4.3	7
193	Optimal relay coordination suitable for grid-connected and islanded operational modes of microgrid <b>2015</b> ,		7
192	Extreme learning machine based fault classification in a series compensated transmission line <b>2012</b> ,		7
191	A study on DG and capacitor placement in radial distribution system <b>2012</b> ,		7
190	Optimal location, size and protection coordination of distributed generation in distribution network <b>2013</b> ,		7
189	A Linear State-Space Analysis of the Migration Model in an Island Biogeography System. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2011</b> , 41, 331-337		7
188	A computational intelligence approach for fault location in transmission lines <b>2010</b> ,		7
187	A hybrid bacterial foraging and differential evolution algorithm for congestion management. <i>European Transactions on Electrical Power</i> , <b>2009</b> , 20, n/a-n/a		7

186	Lightweight sustainable intelligent load forecasting platform for smart grid applications. <i>Sustainable Computing: Informatics and Systems</i> , <b>2020</b> , 25, 100356	3	7
185	<b>2016</b> ,		7
184	Security in Smart Cyber-Physical Systems: A Case Study on Smart Grids and Smart Cars <b>2019</b> , 147-163		7
183	Self-organizing mapping based swarm intelligence for secondary and tertiary proteins classification. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2019</b> , 10, 229-252	3.8	7
182	. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1945-1952	4.3	7
181	New Perspectives on Stability of Decoupled Double Synchronous Reference Frame PLL. <i>IEEE Transactions on Power Electronics</i> , <b>2022</b> , 37, 285-302	7.2	7
180	Prediction interval estimations for electricity demands and prices: a multi-objective approach. <i>IET Generation, Transmission and Distribution</i> , <b>2015</b> , 9, 494-502	2.5	6
179	A Quantum Bi-Directional Self-Organizing Neural Network (QBDSO) for binary image denoising <b>2015</b> ,		6
178	Rainfall prediction of a maritime state (Kerala), India using SLFN and ELM techniques <b>2017</b> ,		6
177	An efficient OPF based approach for identification of infeasible contingencies and preventive rescheduling. <i>Electric Power Systems Research</i> , <b>2014</b> , 111, 148-155	3.5	6
176	Multimodal Function Optimization Using Synchronous Bacterial Foraging Optimization Technique. <i>IETE Journal of Research</i> , <b>2010</b> , 56, 80	0.9	6
175	Multi objective evolutionary programming to solve environmental economic dispatch problem <b>2010</b> ,		6
174	Time Frequency Analysis and Non-Stationary Signal Classification using PSO Based Fuzzy C-Means Algorithm. <i>IETE Journal of Research</i> , <b>2007</b> , 53, 441-450	0.9	6
173	Voltage Regulation and Power Flow Control of VSC Based HVDC System <b>2006</b> ,		6
172	Epilepsy Diagnosis Using Combined Duffing Oscillator and PNN Model. <i>Journal of Bioinformatics and Intelligent Control</i> , <b>2012</b> , 1, 64-70		6
171	An Integrated Power Management Strategy of Grid-Tied DC Microgrid including Distributed Energy Resources. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5180-5190	11.9	6
170	Collaborative multi-aggregator electric vehicle charge scheduling with PV-assisted charging stations under variable solar profiles. <i>IET Smart Grid</i> , <b>2020</b> , 3, 287-299	2.7	6
169	Wind-PV based microgrid and its synchronization with utility grid <b>2016</b> ,		6

168	Feasibility and mitigation of false data injection attacks in smart grid <b>2016</b> ,		6
167	Interphase Fault Relaying Scheme to Mitigate Sympathetic Tripping in Meshed Distribution System. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 850-857	4.3	6
166	Qualitative Assessment of Power Swing for Enhancing Security of Distance Relay in a TCSC-Compensated Line. <i>IEEE Transactions on Power Delivery</i> , <b>2021</b> , 36, 223-234	4.3	6
165	Synchro-phasors Assisted Back-up Protection of Transmission Line. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 3414-3420	2.5	6
164	A Spontaneous Control for Grid Integrated Solar Photovoltaic Energy Conversion Systems With Voltage Profile Considerations. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 2159-2168	8.2	6
163	A multiple emission constrained approach for self-scheduling of GENCO under renewable energy penetration. <i>CSEE Journal of Power and Energy Systems</i> , <b>2017</b> , 3, 63-73	2.3	5
162	Optimal placement and sizing of DGs in radial distribution system (RDS) using Bat algorithm <b>2015</b> ,		5
161	Denial-of-Service Resilient Frameworks for Synchrophasor-Based Wide Area Monitoring Systems. <i>Computer</i> , <b>2020</b> , 53, 14-24	1.6	5
160	Unified boundary and probabilistic power flow. <i>Electric Power Systems Research</i> , <b>2014</b> , 116, 136-146	3.5	5
159	Short-term hydro-thermal scheduling using CMA-ES with directed target to best perturbation scheme. <i>International Journal of Bio-Inspired Computation</i> , <b>2015</b> , 7, 195	2.9	5
158	State of art on condition monitoring of induction motors <b>2010</b> ,		5
157	Hybrid Particle Swarm Optimization and Unscented Filtering Technique for Estimation of Non-stationary Signal Parameters. <i>IETE Journal of Research</i> , <b>2009</b> , 55, 266	0.9	5
156	Detection and Classification of Non-stationary Power disturbances in Noisy Conditions <b>2006</b> ,		5
155	Enhanced momentum LMS-based control technique for grid-tied solar system. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2767-2774	2.2	5
154	Selection of optimum frequency bands for detection of epileptiform patterns. <i>Healthcare Technology Letters</i> , <b>2019</b> , 6, 126-131	1.9	5
153	Electric Vehicle Driver Response Evaluation in Multiaggregator Charging Management With EV Routing. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6914-6924	4.3	5
152	Wind integrated multi area economic dispatch using backtracking search algorithm <b>2016</b> ,		5
151	Decentralised wide-area back-up protection scheme based on the concept of centre of reactive power. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 4551-4557	2.5	5

150	Real-Time Secured Third Zone Relay Operation Under Dynamic Stressed Conditions. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 3337-3346	4.3	5
149	Profit-based conventional resource scheduling with renewable energy penetration. <i>International Journal of Sustainable Energy</i> , <b>2017</b> , 36, 619-636	2.7	4
148	Aggregated Demand Response Scheduling in Competitive Market Considering Load Behavior Through Fuzzy Intelligence. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	4
147	BD-VSS individual weighting factor sign based adaptive filter control for power quality improvement in weak distribution grid. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 1450-1457	2.5	4
146	Modelling and analysis of resource scheduling in restructured power systems considering wind energy uncertainty. <i>International Journal of Sustainable Energy</i> , <b>2018</b> , 37, 736-760	2.7	4
145	A quantum parallel bi-directional self-organizing neural network (QPBDSONN) architecture for extraction of pure color objects from noisy background <b>2016</b> ,		4
144	Joint energy and spinning reserve dispatch in wind-thermal power system using IDE-SAR technique <b>2013</b> ,		4
143	PLC performance evaluation with channel gain and additive noise over nonuniform background noise phase. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2017</b> , 28, e3131	1.9	4
142	Termite spatial correlation based particle swarm optimization for unconstrained optimization. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 33, 93-107	9.8	4
141	On detecting false data injection with limited network information using transformation based statistical techniques <b>2017</b> ,		4
140	Outage Probability Analysis of PLC with Channel Gain under Nakagami-m Additive Noise <b>2015</b> ,		4
139	Prediction interval estimation for wind farm power generation forecasts using support vector machines <b>2015</b> ,		4
138	Prediction interval estimation for electricity price and demand using support vector machines <b>2014</b> ,		4
137	Efficient sequential non-linear optimal power flow approach using incremental variables. <i>IET Generation, Transmission and Distribution</i> , <b>2013</b> , 7, 1473-1480	2.5	4
136	Multi-objective Power Dispatch Using Stochastic Fractal Search Algorithm and TOPSIS. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 154-166	0.9	4
135	Application of K-NN regression for predicting coal mill related variables <b>2016</b> ,		4
134	Feasibility analysis of heterogeneous energy storage technology for cloud energy storage with distributed generation. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4970-4974	0.7	4
133	Opti-QIBDS Net: A Quantum-Inspired Optimized Bi-Directional Self-supervised Neural Network Architecture for Automatic Brain MR Image Segmentation <b>2019</b> ,		4



132	A dual objective approach for aggregator managed demand side management (DSM) in cloud based cyber physical smart distribution system. <i>Future Generation Computer Systems</i> , <b>2020</b> , 105, 843-854	7.5	4
131	Probabilistic Study of Undervoltage Load Shedding Scheme to Mitigate the Impact of Protection System Hidden Failures. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 862-869	4.3	4
130	Defending False Data Injection on State Estimation Over Fading Wireless Channels. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2021</b> , 16, 1424-1439	8	4
129	Detection of DC System Faults Based on the Principle of Threshold Violation in i-r Plane. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 856-864	4.3	4
128	Remodelling State-Space Prediction With Deep Neural Networks for Probabilistic Load Forecasting. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 1-10	4.1	4
127	Customer Oriented Electric Vehicle Charging Scheduling In Day-ahead Market Via Aggregative Game Model <b>2018</b> ,		4
126	EV Benefit Evaluation in a Collaborative Scheduling Environment with Penalties for Unscheduled EVs <b>2018</b> ,		4
125	On the Assessment of Cyber Risks and Attack Surfaces in a Real-Time Co-Simulation Cybersecurity Testbed for Inverter-Based Microgrids. <i>Energies</i> , <b>2021</b> , 14, 4941	3.1	4
124	Assessment of DC offset in fault current signal for accurate phasor estimation considering current transformer response. <i>IET Science, Measurement and Technology</i> , <b>2019</b> , 13, 403-408	1.5	3
123	Increasing Reliability of Fault Detection Systems for Industrial Applications. <i>IEEE Intelligent Systems</i> , <b>2018</b> , 33, 28-39	4.2	3
122	Quick and oscillation free peak power estimation using SEHC algorithm for single-sensor-based PV-fed battery charging. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 207-218	2.9	3
121	Locating ictal activities over human scalp with automated detection using EEG signals <b>2016</b> ,		3
120	Wind-Hydro microgrid and its control for rural energy system <b>2016</b> ,		3
119	Arbitration of day-ahead real power market clearing under the influence of voltage dependent load models. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 77, 430-438	5.1	3
118	Discrete noise-eliminating second order generalized integrator based control strategy applied to grid-integrated solar PV synchronization converter <b>2018</b> ,		3
117	Multi-step network segmentation using optimization and sequential participant migration <b>2015</b> ,		3
116	An OPF sensitivity based approach for handling discrete variables <b>2014</b> ,		3
115	Hybrid algorithm performance with varying population size for multi-objective optimisation of in-situ bioremediation of groundwater. <i>International Journal of Bio-Inspired Computation</i> , <b>2013</b> , 5, 164	2.9	3

114	Parallel Bacterial Foraging Optimization. <i>Adaptation, Learning, and Optimization</i> , <b>2011</b> , 487-502	0.7	3
113	Performance evaluation of distance relay with CT saturation. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 4789-4797	7.5	3
112	Power quality analysis using complex wavelet transform <b>2010</b> ,		3
111	A new control strategy for active and reactive power control of three-level VSC based HVDC system <b>2010</b> ,		3
110	Economic load dispatch using hybridized Differential Evolution and invasive weed operation <b>2011</b> ,		3
109	An AI approach for fault distance estimation in series compensated transmission line <b>2011</b> ,		3
108	Feature selection and accurate classification of single and multiple power quality events <b>2011</b> ,		3
107	A Comparative Study of Signal Processing and Pattern Recognition Approach for Power Quality Disturbance Classification. <i>IETE Journal of Research</i> , <b>2011</b> , 57, 5	0.9	3
106	Broken rotor bar detection in variable frequency induction motor drives using wavelet energy based method <b>2012</b> ,		3
105	Optimal short-term hydrothermal generation scheduling using modified seeker optimisation algorithm. <i>International Journal of Modelling, Identification and Control</i> , <b>2012</b> , 15, 250	0.6	3
104	A recurrent neural model for parameter estimation of mixed emotions from facial expressions of the subjects <b>2009</b> ,		3
103	Distance Protection of Compensated Transmission Line Using Computational Intelligence. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 163-169	0.9	3
102	Extrapolated Biogeography-Based Optimization (eBBO) for Global Numerical Optimization and Microstrip Patch Antenna Design. <i>International Journal of Applied Evolutionary Computation</i> , <b>2010</b> , 1, 1-26	0.6	3
101	Defense against unknown broadband jammer for time-critical operation in smart grid. <i>IET Communications</i> , <b>2019</b> , 13, 2261-2272	1.3	3
100	A profit-based self-scheduling framework for generation company energy and ancillary service participation in multi-constrained environment with renewable energy penetration. <i>Energy and Environment</i> , <b>2020</b> , 31, 549-569	2.4	3
99	Protection of low-voltage DC microgrid based on series RLC equivalent circuit utilising local measurements. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 3877-3885	2.5	3
98	Deep LF-Net: Semantic lung segmentation from Indian chest radiographs including severely unhealthy images. <i>Biomedical Signal Processing and Control</i> , <b>2021</b> , 68, 102666	4.9	3
97	An intelligent multi-robot path planning in a dynamic environment using improved gravitational search algorithm. <i>International Journal of Automation and Computing</i> , <b>2016</b> , 1	3.5	3

96	Supervisory control based wide area back-up protection scheme for power transmission network <b>2016,</b>		3
95	Hierarchical clustering based zone formation in power networks <b>2016,</b>		3
94	Bid Modification Attack in Smart Grid for Monetary Benefits <b>2016,</b>		3
93	Performance Investigation of Multifunctional On-Grid Hybrid WindPV System With OASC and MAF-Based Control. <i>IEEE Transactions on Power Electronics, 2019, 34, 10808-10822</i>	7.2	3
92	An Advanced Visibility Restoration Technique for Underwater Images <b>2018,</b>		3
91	Classification of Targets and Distractors Present in Visual Hemifields Using Time-Frequency Domain EEG Features. <i>Journal of Healthcare Engineering, 2018, 2018, 9213707</i>	3.7	3
90	Robustly Coordinated Distributed Voltage Control Through Residential Demand Response Under Multiple Uncertainties. <i>IEEE Transactions on Industry Applications, 2021, 57, 4042-4058</i>	4.3	3
89	Electric vehicle charge scheduling (EVCS) with PV assistance for variable energy purchase in a multi-aggregator environment. <i>Journal of Engineering, 2019, 2019, 4836-4840</i>	0.7	2
88	Implementation of MVF-Based Control Technique for 3-Distribution Static Compensator. <i>Journal of the Institution of Engineers (India): Series B, 2019, 100, 589-597</i>	0.9	2
87	Adaptive Current Control for a Bi-directional Interleaved EV Charger with Disturbance Rejection <b>2020,</b>		2
86	Classifier Feature Fusion Using Deep Learning Model for Non-Invasive Detection of Oral Cancer from Hyperspectral Image. <i>IETE Journal of Research, 2020, 1-12</i>	0.9	2
85	Decomposition of Market-Settlement Surplus Using Pseudo-IV-Optimal Power Flow. <i>IEEE Transactions on Power Systems, 2018, 33, 3812-3821</i>	7	2
84	Decomposition of Settlement Residues Using Loss Compensated DC-OPF Model. <i>IEEE Transactions on Power Systems, 2018, 33, 1071-1073</i>	7	2
83	Modeling and analysis of profit based self scheduling of GENCO in electricity markets with renewable energy penetration and emission constraints. <i>Renewable Energy, 2018, 116, 48-63</i>	8.1	2
82	Framework arrangement of directional relays in meshed networks based on differential evolution algorithm <b>2016,</b>		2
81	Optimal schedule of plug in electric vehicles in smart grid with constrained parking lots <b>2016,</b>		2
80	Control of wind-solar microgrid for rural electrification <b>2016,</b>		2
79	Performance improvement of grid integrated solar PV system using DNLMS control algorithm <b>2016</b>		2

78	RECOGNITION OF FINGER/HAND GRIP MECHANISM BY COMPUTING S-TRANSFORM FEATURES OF SURFACE ELECTROMYOGRAM SIGNAL FROM HEALTHY AND AMPUTEE. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2016</b> , 16, 1650076	0.7	2
77	SVM based automated EEG seizure detection using Coiflets-wavelet packets <b>2015</b> ,		2
76	Isolated microgrid employing PMBLDCG for wind power generation and synchronous reluctance generator for DG system <b>2014</b> ,		2
75	Minimization of operating time gap between primary relays at near and far ends in overcurrent relay coordination <b>2014</b> ,		2
74	Permanent magnet synchronous generator based wind energy and DG hybrid system <b>2014</b> ,		2
73	Optimum Coordination of overcurrent relays using CMA-ES algorithm <b>2012</b> ,		2
72	A hybrid approach for short term electricity price and load forecasting <b>2011</b> ,		2
71	A Hybrid Differential Invasive Weed Algorithm for Congestion Management. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 630-638	0.9	2
70	Modified Equivalent Bilateral Exchange of transmission pricing using DIWO <b>2010</b> ,		2
69	Estimation of lithologic parameters from seismic data using genetic algorithm <b>2009</b> ,		2
68	ILP based leakage optimization during nano-CMOS RTL synthesis: A DOXCMOS Versus DTCMOS perspective <b>2009</b> ,		2
67	Selection of dead angle of a three-level multipulse voltage source converter for power quality improvement in HVDC system <b>2009</b> ,		2
66	Dynamic Harmonic Domain Modeling and Stability Augmented Design of Inverter Interface to Weak and Unbalanced Grid. <i>IEEE Transactions on Power Delivery</i> , <b>2021</b> , 1-1	4.3	2
65	Invasive Weed Optimization for Combined Economic and Emission Dispatch Problems. <i>International Journal of Applied Evolutionary Computation</i> , <b>2014</b> , 5, 1-18	0.6	2
64	User comfort driven time-table linked AHU scheduling for ancillary service maximization of an educational building. <i>Energy and Buildings</i> , <b>2020</b> , 225, 110317	7	2
63	A hierarchical approach of node aggregation for transmission usage prices <b>2016</b> ,		2
62	A Hybrid Method for Islanding Detection of Inverter Interfaced Distributed Generators Utilizing Superimposed Component of d-axis Voltage <b>2019</b> ,		2
61	Transient Potential Power Based Supervisory Zone-1 Operation During Unstable Power Swing. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 1823-1830	4.3	2

60	Backstepping Technique-Based Customer-End Voltage Control Strategy of DC Distribution Network. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 666-676	5.6	2
59	A novel procedure combining computational fluid dynamics and evolutionary approach to minimize parasitic power loss in air cooling of Li-ion battery for thermal management system design. <i>Energy Storage</i> , <b>2021</b> , 3, e210	2.8	2
58	Effective Wind Energy Extraction Using a Modified Robust Predictive Control in Grid Tied WECS <b>2019</b> ,		1
57	Efficient sensitivity based assessment of impact of uncertainties in multi-objective framework. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 64, 947-955	5.1	1
56	Study of target and non-target interplay in spatial attention task. <i>Journal of Medical Engineering and Technology</i> , <b>2018</b> , 42, 113-120	1.8	1
55	A hybrid FNLMS approach to improve the performance of a grid integrated solar PV system <b>2016</b> ,		1
54	An improved setting-free power swing blocking scheme using local end information <b>2018</b> ,		1
53	Coordinated Voltage Control through Optimal Dispatch of Responsive Building Loads <b>2019</b> ,		1
52	Comparison and application of swarm intelligent techniques to Optimal Power Flow <b>2010</b> ,		1
51	Dynamic dead angle control of three-level voltage source converter based HVDC system <b>2011</b> ,		1
50	Incipient turn fault detection and condition monitoring of induction machine using analytical wavelet transform <b>2012</b> ,		1
49	Heuristic method for transmission network expansion planning with security constraints and uncertainty in load specifications <b>2009</b> ,		1
48	A new method for power quality disturbance classification based on the proliferating V-detectors algorithm <b>2008</b> ,		1
47	A two-level 24-pulse voltage source converter with fundamental frequency switching for HVDC system <b>2008</b> ,		1
46	Knowledge Discovery in Power Quality Data Using Support Vector Machine and S-Transform <b>2006</b> ,		1
45	Localisation of Phase Spectrum using Modified Continuous Wavelet Transform. <i>IETE Journal of Research</i> , <b>2003</b> , 49, 235-237	0.9	1
44	Sigma-Modified Power Control and Parametric Adaptation in a Grid-Integrated PV for EV Charging Architecture. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	1
43	QIBDS Net: A Quantum-Inspired Bi-Directional Self-supervised Neural Network Architecture for Automatic Brain MR Image Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 87-95	0.9	1

42	Comparison between Differential Evolution Algorithm and Particle Swarm Optimization for Market Clearing with Voltage Dependent Load Models. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 209-221	0.9	1
41	Classification of Power Quality Disturbances Using GA Based Optimal Feature Selection. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 561-566	0.9	1
40	Solution of Economic Load Dispatch Problem Using Lbest-Particle Swarm Optimization with Dynamically Varying Sub-swarms. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 191-198	0.9	1
39	An Improved Air-Light Estimation Scheme for Single Haze Images Using Color Constancy Prior. <i>IEEE Signal Processing Letters</i> , <b>2020</b> , 27, 1695-1699	3.2	1
38	Deep-learning-based data-manipulation attack resilient supervisory backup protection of transmission lines. <i>Neural Computing and Applications</i> ,1	4.8	1
37	Optimal scheduling of uncertain wind energy and demand response in unit commitment using binary grey wolf optimizer (BGWO) <b>2016</b> ,		1
36	Sympathetic Trippings Blocking in Over Current Relay Coordination Algorithm during Steady State & Transient Network Topologies. <i>International Journal of Emerging Electric Power Systems</i> , <b>2016</b> , 17, 311-326	1.4	1
35	<b>2019</b> ,		1
34	Dynamic Current Tracking for an On-board Bi-directional EV Charger with G2V and V2G Modes of Operation <b>2019</b> ,		1
33	ResNet Convolution Neural Network Based Hyperspectral Imagery Classification for Accurate Cancerous Region Detection <b>2019</b> ,		1
32	Physical Layer Security of AMI Data Transmission in Smart Grid Environment <b>2019</b> ,		1
31	Predictability assessment of northeast monsoon rainfall in India using sea surface temperature anomaly through statistical and machine learning techniques. <i>Environmetrics</i> , <b>2019</b> , 30, e2533	1.3	1
30	. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 670-679	4.3	1
29	Real-Time Control for Charging Discharging of Electric Vehicles in a Charging Station with Renewable Generation and Battery Storage <b>2021</b> ,		1
28	Denial-of-Service Attacks Pre-Emptive and Detection Framework for Synchrophasor Based Wide Area Protection Applications. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	1
27	Real Time Energy Management System and Control Strategy for DC Microgrid <b>2018</b> ,		1
26	Distributed Control Framework for Autonomous Seamless Operation of Electronically Interfaced Distributed Generators in AC Microgrid <b>2018</b> ,		1
25	A Robust SMOC for Vector Controlled PMSG based Isolated Wind Energy Generating System <b>2018</b> ,		1

24	Optimal Wind Energy Scheduling under Volatile Resource and Market Price Conditions <b>2018</b> ,		1
23	Wind Forecasting:Hybrid Statistical and Deep Neural Network Approaches <b>2018</b> ,		1
22	On the Marginal Stability/Instability of Power Island Following Unintentional Islanding: A Modal Analysis Based Approach. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 2468-2472 <sup>3.5</sup>		1
21	A Nonlinear Adaptive Stabilizing Control Strategy to Enhance Dynamic Stability of Weak Grid-Tied VSC System. <i>IEEE Transactions on Power Delivery</i> , <b>2021</b> , 1-1	4.3	1
20	GNLMP Control for Solar PV-Battery Based Microgrid with Ms-EPLL Synchronization. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
19	On-line Adaptive and Intelligent Distance Relaying Scheme for Power Network. <i>International Journal of Emerging Electric Power Systems</i> , <b>2015</b> , 16, 473-489	1.4	0
18	A PMU Based Data Driven Approach for Enhancing Situational Awareness in Building A Resilient Power Systems. <i>IEEE Transactions on Industrial Informatics</i> , <b>2022</b> , 1-1	11.9	0
17	A Multifunctional Three-Phase Grid Coupled Solar PV Energy Conversion System Using Delayed $\pi$ -Law Proportionate Control for PQ Improvement. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	0
16	Reduction in Circulating Current with Improved Secondary Side Modulation in Isolated Current-Fed Half Bridge AC-DC Converter. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 1-1	7.2	0
15	Robust backstepping output voltage controller for standalone voltage-sourced converters. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 2211-2220	2.9	0
14	A Model-based dehazing scheme for unmanned aerial vehicle system using radiance boundary constraint and graph model. <i>Journal of Visual Communication and Image Representation</i> , <b>2021</b> , 74, 102993 <sup>7</sup>		0
13	Multi-objective Genetic Algorithm Based Deep Learning Model for Automated COVID-19 Detection Using Medical Image Data. <i>Journal of Medical and Biological Engineering</i> , <b>2021</b> , 41, 1-12	2.2	0
12	Small Signal Stability Analysis Oriented Design of Hybrid Anti-Islanding Protection Technique Based on Active Disturbance Injection. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	0
11	Impact of DC-bus Voltage Control on Synchronization Stability of Grid-tied Inverters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2022</b> , 1-1	3.5	0
10	Probabilistic Wind Power Forecasting Using Optimised Deep Auto-Regressive Recurrent Neural Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2022</b> , 1-1	11.9	0
9	Enhanced Visualization and Characterization of Low Frequency Oscillations in Power System. <i>IEEE Systems Journal</i> , <b>2022</b> , 1-12	4.3	0
8	Adaptive Position Observer for Multimode Wind-BES Based Microgrid Interfaced to Distribution Network. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
7	Linkage based deferred acceptance optimization. <i>Information Sciences</i> , <b>2016</b> , 349-350, 65-76	7.7	

6	Automated Power Quality Disturbance Classification Using Evolvable Neural Network. <i>Series in Machine Perception and Artificial Intelligence</i> , <b>2011</b> , 121-136	0.3
5	Pattern Mining Approaches Used in Social Media Data. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , <b>2020</b> , 28, 123-152	0.8
4	Gbest Guided Gravitational Search Algorithm for Economic Load Dispatch. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 706-720	0.9
3	Constraint Handling in Transmission Network Expansion Planning. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 709-717	0.9
2	Structured Clanning-Based Ensemble Optimization Algorithm: A Novel Approach for Solving Complex Numerical Problems. <i>Modelling and Simulation in Engineering</i> , <b>2018</b> , 2018, 1-19	1.3
1	Optimized activation for quantum-inspired self-supervised neural network based fully automated brain lesion segmentation. <i>Applied Intelligence</i> , 1	4.9