

# Bijaya K Panigrahi

## List of Publications by Year in Descending Order

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

401  
papers

9,625  
citations

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	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
400	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
399	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
398	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
397	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
396	Enhanced Visualization and Characterization of Low Frequency Oscillations in Power System. <i>IEEE Systems Journal</i> , <b>2022</b> , 1-12	4.3	0
395	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
394	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
393	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
392	A Multifunctional Three-Phase Grid Coupled Solar PV Energy Conversion System Using Delayed $\mu$ -Law Proportionate Control for PQ Improvement. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	0
391	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
390	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
389	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
388	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
387	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
386	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>8</sup>	5.6	8
385	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

384	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
383	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
382	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
381	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
380	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
379	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
378	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
377	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, 102993-7	3.7	0
376	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
375	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
374	A Cyber-Secure Distributed Control Architecture for Autonomous AC Microgrid. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 3324-3335	4.3	11
373	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
372	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
371	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
370	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
369	Real-Time Control for Charging Discharging of Electric Vehicles in a Charging Station with Renewable Generation and Battery Storage <b>2021</b> ,		1
368	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
367	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

366	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	3.5	1
365	Robustly Coordinated Distributed Voltage Control Through Residential Demand Response Under Multiple Uncertainties. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4042-4058	4.3	3
364	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
363	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
362	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
361	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
360	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
359	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
358	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
357	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
356	Transfer Learning Based Brain Tumor Detection and Segmentation using Superpixel Technique <b>2020</b> ,		8
355	Adaptive Current Control for a Bi-directional Interleaved EV Charger with Disturbance Rejection <b>2020</b> ,		2
354	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
353	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
352	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
351	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	14 <sup>0</sup>
350	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
349	Denial-of-Service Resilient Frameworks for Synchrophasor-Based Wide Area Monitoring Systems. <i>Computer</i> , <b>2020</b> , 53, 14-24	1.6	5

348	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
347	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
346	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
345	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
344	Classifier Feature Fusion Using Deep Learning Model for Non-Invasive Detection of Oral Cancer from Hyperspectral Image. <i>IETE Journal of Research</i> , <b>2020</b> , 1-12	0.9	2
343	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
342	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
341	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	
340	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
339	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
338	Lightweight sustainable intelligent load forecasting platform for smart grid applications. <i>Sustainable Computing: Informatics and Systems</i> , <b>2020</b> , 25, 100356	3	7
337	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
336	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
335	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
334	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
333	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
332	Classification of patients with tumor using MR FLAIR images. <i>Pattern Recognition Letters</i> , <b>2020</b> , 139, 112417	4.7	9
331	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

330	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
329	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
328	. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 1945-1952	4.3	7
327	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
326	Effective Wind Energy Extraction Using a Modified Robust Predictive Control in Grid Tied WECS <b>2019</b> ,		1
325	Electric vehicle charge scheduling (EVCS) with PV assistance for variable energy purchase in a multi-aggregator environment. <i>Journal of Engineering</i> , <b>2019</b> , 2019, 4836-4840	0.7	2
324	Implementation of MVF-Based Control Technique for 3-Distribution Static Compensator. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2019</b> , 100, 589-597	0.9	2
323	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
322	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
321	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
320	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
319	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
318	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3037-3045	4.3	14
317	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
316	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
315	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
314	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
313	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	11.9	7

312	Coordinated Voltage Control through Optimal Dispatch of Responsive Building Loads <b>2019,</b>		1
311	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
310	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
309	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
308	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
307	Selection of optimum frequency bands for detection of epileptiform patterns. <i>Healthcare Technology Letters</i> , <b>2019</b> , 6, 126-131	1.9	5
306	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
305	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
304	Performance Investigation of Multifunctional On-Grid Hybrid WindBV System With OASC and MAF-Based Control. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10808-10822	7.2	3
303	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
302	<b>2019,</b>		1
301	Dynamic Current Tracking for an On-board Bi-directional EV Charger with G2V and V2G Modes of Operation <b>2019,</b>		1
300	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
299	ResNet Convolution Neural Network Based Hyperspectral Imagery Classification for Accurate Cancerous Region Detection <b>2019,</b>		1
298	Physical Layer Security of AMI Data Transmission in Smart Grid Environment <b>2019,</b>		1
297	A Hybrid Method for Islanding Detection of Inverter Interfaced Distributed Generators Utilizing Superimposed Component of d-axis Voltage <b>2019,</b>		2
296	Opti-QIBDS Net: A Quantum-Inspired Optimized Bi-Directional Self-supervised Neural Network Architecture for Automatic Brain MR Image Segmentation <b>2019,</b>		4
295	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

294	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
293	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
292	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
291	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
290	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
289	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
288	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
287	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
286	Security in Smart Cyber-Physical Systems: A Case Study on Smart Grids and Smart Cars <b>2019</b> , 147-163		7
285	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
284	. <i>IEEE Systems Journal</i> , <b>2019</b> , 13, 670-679	4.3	1
283	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
282	Decomposition of Market-Settlement Surplus Using Pseudo-IV-Optimal Power Flow. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 3812-3821	7	2
281	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
280	Increasing Reliability of Fault Detection Systems for Industrial Applications. <i>IEEE Intelligent Systems</i> , <b>2018</b> , 33, 28-39	4.2	3
279	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
278	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
277	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



276	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
275	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
274	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
273	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
272	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
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	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
269	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
268	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
267	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
266	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
265	Decomposition of Settlement Residues Using Loss Compensated DC-OPF Model. <i>IEEE Transactions on Power Systems</i> , <b>2018</b> , 33, 1071-1073	7	2
264	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
263	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
262	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
261	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
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256	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
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253	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
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251	Discrete noise-eliminating second order generalized integrator based control strategy applied to grid-integrated solar PV synchronization converter <b>2018</b> ,		3
250	An improved setting-free power swing blocking scheme using local end information <b>2018</b> ,		1
249	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 <sup>119</sup>	11.9	42
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247	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
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244	Customer Oriented Electric Vehicle Charging Scheduling In Day-ahead Market Via Aggregative Game Model <b>2018</b> ,		4
243	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	
242	Real Time Energy Management System and Control Strategy for DC Microgrid <b>2018</b> ,		1
241	Distributed Control Framework for Autonomous Seamless Operation of Electronically Interfaced Distributed Generators in AC Microgrid <b>2018</b> ,		1

240	EV Benefit Evaluation in a Collaborative Scheduling Environment with Penalties for Unscheduled EVs <b>2018</b> ,		4
239	A Robust SMOC for Vector Controlled PMSG based Isolated Wind Energy Generating System <b>2018</b> ,		1
238	An Advanced Visibility Restoration Technique for Underwater Images <b>2018</b> ,		3
237	Optimal Wind Energy Scheduling under Volatile Resource and Market Price Conditions <b>2018</b> ,		1
236	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
235	Wind Forecasting:Hybrid Statistical and Deep Neural Network Approaches <b>2018</b> ,		1
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231	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
230	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
229	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
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226	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
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220	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
219	Rainfall prediction of a maritime state (Kerala), India using SLFN and ELM techniques <b>2017</b> ,		6
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212	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
211	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
210	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
209	On detecting false data injection with limited network information using transformation based statistical techniques <b>2017</b> ,		4
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	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
206	A multiobjective framework for wind speed prediction interval forecasts. <i>Renewable Energy</i> , <b>2016</b> , 87, 903-910	8.1	48
205	Electricity price classification using extreme learning machines. <i>Neural Computing and Applications</i> , <b>2016</b> , 27, 9-18	4.8	15

204	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
203	Locating ictal activities over human scalp with automated detection using EEG signals <b>2016</b> ,		3
202	Framework arrangement of directional relays in meshed networks based on differential evolution algorithm <b>2016</b> ,		2
201	A quantum parallel bi-directional self-organizing neural network (QPBDSONN) architecture for extraction of pure color objects from noisy background <b>2016</b> ,		4
200	Optimal schedule of plug in electric vehicles in smart grid with constrained parking lots <b>2016</b> ,		2
199	Wind ramp event prediction with parallelized gradient boosted regression trees <b>2016</b> ,		10
198	Wind-Hydro microgrid and its control for rural energy system <b>2016</b> ,		3
197	Control of wind-solar microgrid for rural electrification <b>2016</b> ,		2
196	A hybrid FNLMS approach to improve the performance of a grid integrated solar PV system <b>2016</b> ,		1
195	Performance improvement of grid integrated solar PV system using DNLMS control algorithm <b>2016</b> ,		2
194	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
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184	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
183	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
182	Optimal scheduling of uncertain wind energy and demand response in unit commitment using binary grey wolf optimizer (BGWO) <b>2016</b> ,		1
181	Wind-PV based microgrid and its synchronization with utility grid <b>2016</b> ,		6
180	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
179	Supervisory control based wide area back-up protection scheme for power transmission network <b>2016</b> ,		3
178	Hierarchical clustering based zone formation in power networks <b>2016</b> ,		3
177	<b>2016</b> ,		7
176	A hierarchical approach of node aggregation for transmission usage prices <b>2016</b> ,		2
175	Bid Modification Attack in Smart Grid for Monetary Benefits <b>2016</b> ,		3
174	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
173	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
172	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
171	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
170	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
169	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

168	Wind integrated multi area economic dispatch using backtracking search algorithm <b>2016</b> ,		5
167	Application of K-NN regression for predicting coal mill related variables <b>2016</b> ,		4
166	Feasibility and mitigation of false data injection attacks in smart grid <b>2016</b> ,		6
165	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
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162	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
161	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
160	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
159	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
158	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
157	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
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155	A unified thermo-mechanical model for coal mill operation. <i>Control Engineering Practice</i> , <b>2015</b> , 44, 157-171	3.1	11
154	Optimal placement and sizing of DGs in radial distribution system (RDS) using Bat algorithm <b>2015</b> ,		5
153	A Quantum Bi-Directional Self-Organizing Neural Network (QBDSOINN) for binary image denoising <b>2015</b> ,		6
152	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
151	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

150	Optimal relay coordination suitable for grid-connected and islanded operational modes of microgrid <b>2015</b> ,		7
149	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
148	Outage Probability Analysis of PLC with Channel Gain under Nakagami-m Additive Noise <b>2015</b> ,		4
147	Multi-step network segmentation using optimization and sequential participant migration <b>2015</b> ,		3
146	SVM based automated EEG seizure detection using Coiflets wavelet packets <b>2015</b> ,		2
145	Prediction interval estimation for wind farm power generation forecasts using support vector machines <b>2015</b> ,		4
144	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 322-331	11.9	96
143	Gbest Guided Gravitational Search Algorithm for Economic Load Dispatch. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 706-720	0.9	
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141	. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 2101-2104	3.8	30
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138	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
137	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
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134	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
133	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



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131	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
130	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
129	Isolated microgrid employing PMBLDCG for wind power generation and synchronous reluctance generator for DG system <b>2014</b> ,		2
128	Prediction interval estimation for electricity price and demand using support vector machines <b>2014</b> ,		4
127	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
126	Minimization of operating time gap between primary relays at near and far ends in overcurrent relay coordination <b>2014</b> ,		2
125	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
124	Permanent magnet synchronous generator based wind energy and DG hybrid system <b>2014</b> ,		2
123	An OPF sensitivity based approach for handling discrete variables <b>2014</b> ,		3
122	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
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120	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
119	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
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111	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
110	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
109	Accelerated biogeography-based optimization with neighborhood search for optimization. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 2318-2342	7.5	42
108	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
107	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
106	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
105	Streamflow forecasting by SVM with quantum behaved particle swarm optimization. <i>Neurocomputing</i> , <b>2013</b> , 101, 18-23	5.4	107
104	Optimal Power Flow with Multiple Data Uncertainties. <i>Electric Power Systems Research</i> , <b>2013</b> , 95, 160-167	3.5	17
103	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
102	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
101	Optimal location, size and protection coordination of distributed generation in distribution network <b>2013</b> ,		7
100	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
99	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
98	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
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55	Power quality analysis using complex wavelet transform <b>2010</b> ,		3
54	A computational intelligence approach for fault location in transmission lines <b>2010</b> ,		7
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44	A micro-bacterial foraging algorithm for high-dimensional optimization <b>2009</b> ,		13
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10	Knowledge Discovery in Power Quality Data Using Support Vector Machine and S-Transform <b>2006</b> ,		1
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