

Mohammad J Hossain

List of Publications by Year in descending order

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314
papers

6,213
citations

76196

40
h-index

102304

66
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317
all docs

317
docs citations

317
times ranked

5033
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal and Suboptimal Power Allocation Schemes for OFDM-based Cognitive Radio Systems. IEEE Transactions on Wireless Communications, 2008, 7, 4710-4718.	6.1	360
2	Evolution of microgrids with converter-interfaced generations: Challenges and opportunities. International Journal of Electrical Power and Energy Systems, 2019, 109, 160-186.	3.3	206
3	Overview of AC Microgrid Controls with Inverter-Interfaced Generations. Energies, 2017, 10, 1300.	1.6	151
4	Reasons for Preference of Home Delivery with Traditional Birth Attendants (TBAs) in Rural Bangladesh: A Qualitative Exploration. PLoS ONE, 2016, 11, e0146161.	1.1	140
5	Partial Feedback Linearizing Excitation Controller for Multimachine Power Systems to Improve Transient Stability. IEEE Transactions on Power Systems, 2014, 29, 561-571.	4.6	136
6	Integration of electric vehicles and management in the internet of energy. Renewable and Sustainable Energy Reviews, 2018, 82, 4179-4203.	8.2	132
7	Investigation of the Impacts of Large-Scale Wind Power Penetration on the Angle and Voltage Stability of Power Systems. IEEE Systems Journal, 2012, 6, 76-84.	2.9	127
8	Long-term neurological and functional outcome in Nipah virus infection. Annals of Neurology, 2007, 62, 235-242.	2.8	126
9	Robust Control for Power Sharing in Microgrids With Low-Inertia Wind and PV Generators. IEEE Transactions on Sustainable Energy, 2015, 6, 1067-1077.	5.9	122
10	Dynamic Stability of Three-Phase Grid-Connected Photovoltaic System Using Zero Dynamic Design Approach. IEEE Journal of Photovoltaics, 2012, 2, 564-571.	1.5	115
11	Peak-Load Reduction by Coordinated Response of Photovoltaics, Battery Storage, and Electric Vehicles. IEEE Access, 2018, 6, 29353-29365.	2.6	114
12	Simultaneous STATCOM and Pitch Angle Control for Improved LVRT Capability of Fixed-Speed Wind Turbines. IEEE Transactions on Sustainable Energy, 2010, 1, 142-151.	5.9	103
13	Multiagent-Based Transactive Energy Management Systems for Residential Buildings With Distributed Energy Resources. IEEE Transactions on Industrial Informatics, 2020, 16, 1836-1847.	7.2	103
14	Design of Robust Distributed Control for Interconnected Microgrids. IEEE Transactions on Smart Grid, 2016, 7, 2724-2735.	6.2	102
15	Robust Nonlinear Distributed Controller Design for Active and Reactive Power Sharing in Islanded Microgrids. IEEE Transactions on Energy Conversion, 2014, 29, 893-903.	3.7	96
16	Full-order nonlinear observer-based excitation controller design for interconnected power systems via exact linearization approach. International Journal of Electrical Power and Energy Systems, 2012, 41, 54-62.	3.3	95
17	Control Strategies for Augmenting LVRT Capability of DFIGs in Interconnected Power Systems. IEEE Transactions on Industrial Electronics, 2013, 60, 2510-2522.	5.2	71
18	Nonlinear Current Control Scheme for a Single-Phase Grid-Connected Photovoltaic System. IEEE Transactions on Sustainable Energy, 2014, 5, 218-227.	5.9	70

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19	Temperature effect on the electrical properties of undoped NiO thin films. <i>Renewable Energy</i> , 2009, 34, 2625-2629.	4.3	66
20	Robust Partial Feedback Linearizing Stabilization Scheme for Three-Phase Grid-Connected Photovoltaic Systems. <i>IEEE Journal of Photovoltaics</i> , 2014, 4, 423-431.	1.5	64
21	Game-theoretic approach to demand-side energy management for a smart neighbourhood in Sydney incorporating renewable resources. <i>Applied Energy</i> , 2018, 232, 245-257.	5.1	64
22	Peak-Load Management in Commercial Systems With Electric Vehicles. <i>IEEE Systems Journal</i> , 2019, 13, 1872-1882.	2.9	63
23	A residential energy management system with bi-level optimization-based bidding strategy for day-ahead bi-directional electricity trading. <i>Applied Energy</i> , 2020, 261, 114322.	5.1	63
24	Reactive power management of distribution networks with wind generation for improving voltage stability. <i>Renewable Energy</i> , 2013, 58, 85-94.	4.3	62
25	Robust Nonlinear Controller Design for Three-Phase Grid-Connected Photovoltaic Systems Under Structured Uncertainties. <i>IEEE Transactions on Power Delivery</i> , 2014, 29, 1221-1230.	2.9	61
26	A hybrid AC/DC microgrid control system based on a virtual synchronous generator for smooth transient performances. <i>Electric Power Systems Research</i> , 2018, 162, 169-182.	2.1	60
27	An Adaptive Wind-Driven Optimization Algorithm for Extracting the Parameters of a Single-Diode PV Cell Model. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 1054-1066.	5.9	59
28	Coordinated control of three-phase AC and DC type EV&€“ESSs for efficient hybrid microgrid operations. <i>Energy Conversion and Management</i> , 2016, 122, 488-503.	4.4	57
29	Improved low-voltage-ride-through capability of fixed-speed wind turbines using decentralised control of STATCOM with energy storage system. <i>IET Generation, Transmission and Distribution</i> , 2012, 6, 719.	1.4	54
30	Modal interaction of power systems with high penetration of renewable energy and BES systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2018, 97, 385-395.	3.3	53
31	Robust Partial Feedback Linearizing Excitation Controller Design for Multimachine Power Systems. <i>IEEE Transactions on Power Systems</i> , 2017, 32, 3-16.	4.6	52
32	Voltage Variation on Distribution Networks With Distributed Generation: Worst Case Scenario. <i>IEEE Systems Journal</i> , 2014, 8, 1096-1103.	2.9	51
33	An improved wind driven optimization algorithm for parameters identification of a triple-diode photovoltaic cell model. <i>Energy Conversion and Management</i> , 2020, 213, 112872.	4.4	51
34	A Coordinated Electric Vehicle Management System for Grid-Support Services in Residential Networks. <i>IEEE Systems Journal</i> , 2021, 15, 2066-2077.	2.9	51
35	Robust control strategy for PV system integration in distribution systems. <i>Applied Energy</i> , 2012, 99, 355-362.	5.1	47
36	Hierarchical controls selection based on PV penetrations for voltage rise mitigation in a LV distribution network. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 81, 123-139.	3.3	47

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37	A Bi-level optimization-based community energy management system for optimal energy sharing and trading among peers. <i>Journal of Cleaner Production</i> , 2021, 279, 123254.	4.6	46
38	An Enhanced Control System for Single-Phase Inverters Interfaced With Weak and Distorted Grids. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 12538-12551.	5.4	43
39	Mitigating unbalance using distributed network reconfiguration techniques in distributed power generation grids with services for electric vehicles: A review. <i>Journal of Cleaner Production</i> , 2019, 239, 117932.	4.6	42
40	An Optimized Offline Random Forests-Based Model for Ultra-Short-Term Prediction of PV Characteristics. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 202-214.	7.2	41
41	Enhancing Power Grid Resilience Through an IEC61850-Based EV-Assisted Load Restoration. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 1799-1810.	7.2	41
42	VAR Planning With Tuning of STATCOM in a DG Integrated Industrial System. <i>IEEE Transactions on Power Delivery</i> , 2013, 28, 875-885.	2.9	40
43	Robust Control for Grid Voltage Stability: High Penetration of Renewable Energy. <i>Power Systems</i> , 2014, , .	0.3	40
44	Transient stability enhancement of multimachine power systems using nonlinear observer-based excitation controller. <i>International Journal of Electrical Power and Energy Systems</i> , 2014, 58, 57-63.	3.3	40
45	Distributed multi-agent scheme for reactive power management with renewable energy. <i>Energy Conversion and Management</i> , 2014, 88, 573-581.	4.4	39
46	Multiobjective Optimization Technique for Mitigating Unbalance and Improving Voltage Considering Higher Penetration of Electric Vehicles and Distributed Generation. <i>IEEE Systems Journal</i> , 2020, 14, 3676-3686.	2.9	39
47	An overview of unbalance compensation techniques using power electronic converters for active distribution systems with renewable generation. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 125, 109812.	8.2	39
48	Robust STATCOM control for the stabilisation of fixed-speed wind turbines during low voltages. <i>Renewable Energy</i> , 2011, 36, 2897-2905.	4.3	38
49	A unified multi-functional on-board EV charger for power-quality control in household networks. <i>Applied Energy</i> , 2018, 215, 186-201.	5.1	38
50	Optimal price based control of HVAC systems in multizone office buildings for demand response. <i>Journal of Cleaner Production</i> , 2020, 270, 122059.	4.6	38
51	Active distribution system resilience quantification and enhancement through multi-microgrid and mobile energy storage. <i>Applied Energy</i> , 2022, 311, 118665.	5.1	37
52	Voltage mode stabilisation in power systems with dynamic loads. <i>International Journal of Electrical Power and Energy Systems</i> , 2010, 32, 911-920.	3.3	36
53	Voltage control of distribution networks with distributed generation using reactive power compensation. , 2011, , .		36
54	Escort Evolutionary Game Dynamics Approach for Integral Load Management of Electric Vehicle Fleets. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 1358-1369.	5.2	36

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55	Improved Neutral Current Compensation With a Four-Leg PV Smart VSI in a LV Residential Network. IEEE Transactions on Power Delivery, 2017, 32, 2291-2302.	2.9	35
56	Active power management in a low-voltage islanded microgrid. International Journal of Electrical Power and Energy Systems, 2018, 98, 36-47.	3.3	34
57	DC-link voltage regulation of inverters to enhance microgrid stability during network contingencies. Electric Power Systems Research, 2017, 147, 233-244.	2.1	33
58	Dynamic Voltage Support by TL-PV Systems to Mitigate Short-Term Voltage Instability in Residential DN. IEEE Transactions on Power Systems, 2018, 33, 4360-4370.	4.6	33
59	Distributed Consensus-Based Economic Dispatch in Power Grids Using the Paillier Cryptosystem. IEEE Transactions on Smart Grid, 2021, 12, 3493-3502.	6.2	33
60	Nonlinear DSTATCOM controller design for distribution network with distributed generation to enhance voltage stability. International Journal of Electrical Power and Energy Systems, 2013, 53, 974-979.	3.3	32
61	A Need-Based Distributed Coordination Strategy for EV Storages in a Commercial Hybrid AC/DC Microgrid With an Improved Interlinking Converter Control Topology. IEEE Transactions on Energy Conversion, 2018, 33, 1372-1383.	3.7	32
62	A Multifunctional Single-Phase EV On-Board Charger With a New V2V Charging Assistance Capability. IEEE Access, 2020, 8, 116812-116823.	2.6	32
63	A multi-agent approach for enhancing transient stability of smart grids. International Journal of Electrical Power and Energy Systems, 2015, 67, 488-500.	3.3	31
64	Multiple Home-to-Home Energy Transactions for Peak Load Shaving. IEEE Transactions on Industry Applications, 2020, 56, 1074-1085.	3.3	31
65	On the application of Home Energy Management Systems for power grid support. Energy, 2019, 188, 116104.	4.5	28
66	The Impact of Prediction Errors in the Domestic Peak Power Demand Management. IEEE Transactions on Industrial Informatics, 2020, 16, 4567-4579.	7.2	28
67	A Nested Transactive Energy Market Model to Trade Demand-Side Flexibility of Residential Consumers. IEEE Transactions on Smart Grid, 2021, 12, 479-490.	6.2	27
68	Analysis of Voltage Rise Effect on Distribution Network with Distributed Generation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 14796-14801.	0.4	26
69	Institutionalizing community-focused maternal, newborn, and child health strategies to strengthen health systems: A new framework for the Sustainable Development Goal era. Globalization and Health, 2017, 13, 37.	2.4	26
70	Computational tools for design, analysis, and management of residential energy systems. Applied Energy, 2018, 221, 535-556.	5.1	26
71	Design and implementation of a three-level active power filter for harmonic and reactive power compensation. Electric Power Systems Research, 2018, 165, 144-156.	2.1	26
72	Short-Term Voltage Stability Enhancement in Residential Grid With High Penetration of Rooftop PV Units. IEEE Transactions on Sustainable Energy, 2019, 10, 2211-2222.	5.9	26

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73	Effects of large dynamic loads on power system stability. International Journal of Electrical Power and Energy Systems, 2013, 44, 357-363.	3.3	25
74	MQTT-Based Resource Allocation of Smart Buildings for Grid Demand Reduction Considering Unreliable Communication Links. IEEE Systems Journal, 2019, 13, 3304-3315.	2.9	25
75	Agent-based reactive power management of power distribution networks with distributed energy generation. Energy Conversion and Management, 2016, 120, 120-134.	4.4	24
76	Smart Voltage-Source Inverters With a Novel Approach to Enhance Neutral-Current Compensation. IEEE Transactions on Industrial Electronics, 2019, 66, 3518-3529.	5.2	24
77	Impacts of large-scale wind generators penetration on the voltage stability of power systems. , 2011, , .		23
78	An Enhanced DC-Bus Voltage-Control Loop for Single-Phase Grid-Connected DC/AC Converters. IEEE Transactions on Power Electronics, 2019, 34, 5819-5829.	5.4	23
79	Energy Trading in Local Electricity Market With Renewablesâ€”A Contract Theoretic Approach. IEEE Transactions on Industrial Informatics, 2021, 17, 3717-3730.	7.2	22
80	Energy Management Systems for Residential Buildings With Electric Vehicles and Distributed Energy Resources. IEEE Access, 2021, 9, 46997-47007.	2.6	22
81	Robust STATCOM control for the enhancement of fault ride-through capability of fixed speed wind generators. , 2009, , .		21
82	Multifunctional Three-Phase Four-Leg PV-SVSI With Dynamic Capacity Distribution Method. IEEE Transactions on Industrial Informatics, 2018, 14, 2507-2520.	7.2	21
83	Real-Time Load and Ancillary Support for a Remote Island Power System Using Electric Boats. IEEE Transactions on Industrial Informatics, 2020, 16, 1516-1528.	7.2	21
84	Investigation of critical parameters for power systems stability with dynamic loads. , 2010, , .		20
85	A stochastic decentralized model for the privately interactive operation of a multi-carrier energy system. Sustainable Cities and Society, 2021, 64, 102551.	5.1	20
86	Multi-Energy Microgrids Incorporating EV Integration: Optimal Design and Resilient Operation. IEEE Transactions on Smart Grid, 2022, 13, 3508-3518.	6.2	20
87	Voltage profile improvement for distributed wind generation using D-STATCOM. , 2011, , .		19
88	Key factors affecting voltage oscillations of distribution networks with distributed generation and induction motor loads. International Journal of Electrical Power and Energy Systems, 2013, 53, 515-528.	3.3	19
89	Control for microgrids with inverter connected renewable energy resources. , 2014, , .		19
90	Nonlinear backstepping controller design for sharing active and reactive power in three-phase grid-connected photovoltaic systems. , 2015, , .		19

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91	Performance analysis of an experimental smart building: Expectations and outcomes. Energy, 2017, 135, 740-753.	4.5	19
92	A Vehicle-to-Microgrid Framework With Optimization-Incorporated Distributed EV Coordination for a Commercial Neighborhood. IEEE Transactions on Industrial Informatics, 2020, 16, 1788-1798.	7.2	19
93	A Grid-Support Strategy With PV Units to Boost Short-Term Voltage Stability Under Asymmetrical Faults. IEEE Transactions on Power Systems, 2020, 35, 1120-1131.	4.6	19
94	Excitation control for large disturbances in power systems with dynamic loads. , 2009, , .		18
95	Decentralized robust static synchronous compensator control for wind farms to augment dynamic transfer capability. Journal of Renewable and Sustainable Energy, 2010, 2, .	0.8	18
96	Short and Long-Term Dynamic Voltage Instability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 9392-9397.	0.4	17
97	Voltage control of emerging distribution systems with induction motor loads using robust LQG approach. International Transactions on Electrical Energy Systems, 2014, 24, 927-943.	1.2	17
98	Impact of battery energy storage systems on electromechanical oscillations in power systems. , 2017, , .		17
99	Design of Non-Interacting Controllers for PV Systems in Distribution Networks. IEEE Transactions on Power Systems, 2014, 29, 2763-2774.	4.6	16
100	The effect of inter-granular constraints on the response of polycrystalline piezoelectric ceramics at the surface and in the bulk. Applied Physics Letters, 2016, 109, .	1.5	16
101	Energy Cost Optimization and DER Scheduling for Unified Energy Management System of Residential Neighborhood. , 2018, , .		16
102	A Fast and Robust DC-Bus Voltage Control Method for Single-Phase Voltage-Source DC/AC Converters. IEEE Transactions on Power Electronics, 2019, 34, 9202-9212.	5.4	16
103	Robust Sensorless Control Against Thermally Degraded Speed Performance in an IM Drive Based Electric Vehicle. IEEE Transactions on Energy Conversion, 2020, 35, 896-907.	3.7	15
104	Bidirectional Power Sharing of Modular DABs to Improve Voltage Stability in DC Microgrids. IEEE Transactions on Industry Applications, 2022, 58, 2369-2377.	3.3	15
105	Strengthening the community support group to improve maternal and neonatal health seeking behaviors: A cluster-randomized controlled trial in Satkhira District, Bangladesh. PLoS ONE, 2019, 14, e0212847.	1.1	14
106	Domestic peak-load management including vehicle-to-grid and battery storage unit using an artificial neural network. , 2017, , .		14
107	Integrated multi-stage and multi-zone distribution network expansion planning with renewable energy sources and hydrogen refuelling stations for fuel cell vehicles. Applied Energy, 2022, 319, 119242.	5.1	14
108	Internet of Things Platform for Energy Management in Multi-Microgrid System to Improve Neutral Current Compensation. Energies, 2018, 11, 3102.	1.6	13

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109	Design and Implementation of an Advanced Vehicle-to-Vehicle (V2V) Power Transfer Operation Using Communications. , 2018, , .		13
110	Throughput Maximization in Cloud-Radio Access Networks Using Cross-Layer Network Coding. IEEE Transactions on Mobile Computing, 2022, 21, 696-711.	3.9	13
111	A Fast Time-Domain Current Harmonic Extraction Algorithm for Power Quality Improvement Using Three-Phase Active Power Filter. IEEE Access, 2020, 8, 103539-103549.	2.6	13
112	Transactive energy for low voltage residential networks: A review. Applied Energy, 2022, 323, 119556.	5.1	13
113	A robust STATCOM control to augment LVRT capability of fixed speed wind turbines. , 2009, , .		12
114	A Multi-agent system based residential electric vehicle management system for grid-support service. , 2019, , .		12
115	An IoT- Based Decision Support Tool for Improving the Performance of Smart Grids Connected with Distributed Energy Sources and Electric Vehicles. IEEE Transactions on Industry Applications, 2020, , 1-1.	3.3	12
116	EV Scheduling Framework for Peak Demand Management in LV Residential Networks. IEEE Systems Journal, 2022, 16, 1520-1528.	2.9	12
117	A hybrid wind driven-based fruit fly optimization algorithm for identifying the parameters of a double-diode photovoltaic cell model considering degradation effects. Sustainable Energy Technologies and Assessments, 2022, 50, 101685.	1.7	12
118	D-STATCOM control in distribution networks with composite loads to ensure grid code compatible performance of photovoltaic generators. , 2013, , .		11
119	Fault current contribution from photovoltaic systems in residential power networks. , 2013, , .		11
120	Robust nonlinear excitation controller design for multimachine power systems. , 2014, , .		11
121	High Genotypic Diversity among Rotavirus Strains Infecting Gambian Children. Pediatric Infectious Disease Journal, 2014, 33, S69-S75.	1.1	11
122	Cyber attacks in smart grid â€™ dynamic impacts, analyses and recommendations. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 321-329.	1.9	11
123	Worst case scenario for large distribution networks with distributed generation. , 2011, , .		10
124	Droop Control for islanded microgrids with compensating approach. , 2015, , .		10
125	Performance investigation of hybrid AC/DC microgrids during mode transitions. , 2016, , .		10
126	A multi-purpose interlinking converter control for multiple hybrid AC/DC microgrid operations. , 2016, , .		10

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127	Proportional Fairness-Based Beamforming and Signal Splitting for MISO-SWIPT Systems. IEEE Communications Letters, 2017, 21, 1135-1138.	2.5	10
128	Optimal scheduling of electrical appliances and DER units for home energy management system. , 2017, , .		10
129	Enhanced orthogonal signal generator for a single-phase grid-connected converter. IET Power Electronics, 2018, 11, 2563-2572.	1.5	10
130	Optimal Coordination of Electric Vehicles and Distributed Generators for Voltage Unbalance and Neutral Current Compensation. IEEE Transactions on Industry Applications, 2021, 57, 1069-1080.	3.3	10
131	Enhancement of Transient Stability Limit and Voltage Regulation with Dynamic Loads Using Robust Excitation Control. International Journal of Emerging Electric Power Systems, 2013, 14, 561-570.	0.6	9
132	Advanced decentralized DER control for islanded microgrids. , 2014, , .		9
133	Design of a single stage transformerless VSI in a smart microgrid for PV-STATCOM/ESS operations. , 2014, , .		9
134	Nonlinear distributed controller design for maintaining power balance in Islanded microgrids. , 2014, , .		9
135	Nonlinear Controller Design for Vehicle-to-Grid (V2G) Systems to Enhance Power Quality and Power System Stability. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7659-7664.	0.4	9
136	Design of a Controller for Active Power Sharing in a Highly-Resistive Microgrid. IFAC-PapersOnLine, 2015, 48, 288-293.	0.5	9
137	Utilization of parked EV-ESS for power management in a grid-tied hybrid AC/DC microgrid. , 2015, , .		9
138	Design and implementation of a cloud-based IoT platform for data acquisition and device supply management in smart buildings. , 2017, , .		9
139	Dynamic behavior of transformerless PV system on the short-term voltage stability of distribution network. , 2017, , .		9
140	Dynamic voltage stability of unbalanced distribution system with high penetration of single-phase PV units. Journal of Engineering, 2019, 2019, 4074-4080.	0.6	9
141	Filling the human resource gap through public-private partnership: Can private, community-based skilled birth attendants improve maternal health service utilization and health outcomes in a remote region of Bangladesh?. PLoS ONE, 2020, 15, e0226923.	1.1	9
142	Coordinating Electric Vehicles and Distributed Energy Sources Constrained by User's Travel Commitment. IEEE Transactions on Industrial Informatics, 2022, 18, 5307-5317.	7.2	9
143	A two-stage multi-objective stochastic optimization strategy to minimize cost for electric bus depot operators. Journal of Cleaner Production, 2022, 332, 129856.	4.6	9
144	Decentralized control to augment LVRT capability of wind generators with STATCOM/ESS. , 2010, , .		8

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145	An effective VAR planning to improve dynamic voltage profile of distribution networks with distributed wind generation. , 2012, , .		8
146	Reactive power management of a AC/DC microgrid system using a smart PV inverter. , 2015, , .		8
147	Design of a general droop controller for islanded microgrids. , 2015, , .		8
148	Cost-benefit analysis for proactive consumers in a microgrid for transactive energy management systems. , 2016, , .		8
149	EV charging in a commercial hybrid AC/DC microgrid: Configuration, control and impact analysis. , 2016, , .		8
150	A Hybrid Communication Platform for Multi-Microgrid Energy Management System Optimization. , 2018, , .		8
151	Advanced power routing framework for optimal economic operation and control of solar photovoltaic-based islanded microgrid. IET Smart Grid, 2019, 2, 242-249.	1.5	8
152	A Comparison of Performance of GA, PSO and Differential Evolution Algorithms for Dynamic Phase Reconfiguration Technology of a Smart Grid. , 2019, , .		8
153	An aggregator-based-strategy to minimize the cost of energy consumption by optimal utilization of energy resources in an apartment building. , 2019, , .		8
154	Transactive Energy Trading of Residential Prosumers Using Battery Energy Storage Systems. , 2019, , .		8
155	Smart Grid Security Enhancement by Using Belief Propagation. IEEE Systems Journal, 2021, 15, 2046-2057.	2.9	8
156	A Battery Energy Storage Sizing Method for Parking Lot Equipped With EV Chargers. IEEE Systems Journal, 2021, 15, 4459-4469.	2.9	8
157	A novel sizing method of a standalone photovoltaic system for powering a mobile network base station using a multi-objective wind driven optimization algorithm. Energy Conversion and Management, 2021, 238, 114179.	4.4	8
158	Nonlinear excitation controller for power systems using Zero dynamic design approach. , 2011, , .		7
159	Agent based power system transient stability enhancement. , 2012, , .		7
160	Cyber vulnerabilities on agent-based smart grid protection system. , 2014, , .		7
161	Investigation of Critical Factors Affecting Dynamic Stability of Wind Generation Systems with Permanent Magnet Synchronous Generators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7665-7670.	0.4	7
162	Effective power sharing approach for islanded microgrids. , 2015, , .		7

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163	Applicability of load forecasting techniques for customer energy storage control systems. , 2015, , .		7
164	Bidirectional isolated vehicle to grid (V2G) system: An optimized implementation and approach. , 2015, , .		7
165	Optimal Stochastic Power Allocation and Relay Selection for Energy Harvesting Systems. IEEE Wireless Communications Letters, 2017, 6, 546-549.	3.2	7
166	Mitigating the impact of rapid changes in photovoltaic power generation on network voltage. , 2017, , .		7
167	An evaluation of Emergency Management of Severe Burn (EMSB) course in Bangladesh: a strategic direction. Burns and Trauma, 2017, 5, 12.	2.3	7
168	Distinguishing Between Cyber Injection and Faults Using Machine Learning Algorithms. , 2018, , .		7
169	Fault Protection Technique for ZSI-fed Single-Phase Induction Motor Drive System. , 2018, , .		7
170	Teager-Huang based Fault Detection in Inverter-interfaced AC Microgrid. , 2019, , .		7
171	Performance analysis of a novel fuzzy logic and MTPA based speed control for IPMSM drive with variable d- and q-axis inductances. , 2009, , .		6
172	Performance of MRAS based speed estimators for grid connected doubly fed induction machines during voltage dips. , 2012, , .		6
173	Impact of distributed generation and series compensation on distribution network. , 2013, , .		6
174	Distributed control scheme to regulate power flow and minimize interactions in multiple microgrids. , 2014, , .		6
175	Islanded Operation of Microgrids with Inverter Connected Renewable Energy Resources. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6368-6373.	0.4	6
176	Distributed Multi-Agent-Based Protection Scheme for Transient Stability Enhancement in Power Systems. International Journal of Emerging Electric Power Systems, 2015, 16, 117-129.	0.6	6
177	Maximising electro-mechanical response by minimising grain-scale strain heterogeneity in phase-change actuator ceramics. Applied Physics Letters, 2016, 109, .	1.5	6
178	Proportional reactive power sharing for islanded microgrids. , 2016, , .		6
179	A decentralised multi-agent approach to enhance the stability of smart microgrids with renewable energy. International Journal of Sustainable Energy, 2016, 35, 429-442.	1.3	6
180	Fault contribution from large photovoltaic systems in building power supply networks. Journal of Building Engineering, 2016, 5, 222-230.	1.6	6

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181	An advanced harmonic extraction technique applied to a three-phase three-level active power filter. , 2017, , .		6
182	A Framework for Evaluation of Power Grid Resilience Case Study: 2016 South Australian Blackout. , 2018, , .		6
183	Optimal Dispatch of Electrical Vehicle and PV Power to Improve the Power Quality of an Unbalanced Distribution Grid. , 2019, , .		6
184	A Photovoltaic-Fed Z-Source Inverter Motor Drive with Fault-Tolerant Capability for Rural Irrigation. Energies, 2020, 13, 4630.	1.6	6
185	Power management and control coordination strategy for autonomous hybrid microgrids. IET Generation, Transmission and Distribution, 2020, 14, 119-130.	1.4	6
186	DC Fault Identification in Multiterminal HVDC Systems Based on Reactor Voltage Gradient. IEEE Access, 2021, 9, 115855-115867.	2.6	6
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