Mohammad J Hossain

List of Publications by Year
in descending order

314 papers	6,213 citations	76196 40 h-index	102304 66 g-index
317 all docs	317 docs citations	317 times ranked	5033 citing authors

#	Article	IF	Citations
1	Throughput Maximization in Cloud-Radio Access Networks Using Cross-Layer Network Coding. IEEE Transactions on Mobile Computing, 2022, 21, 696-711.	3.9	13
2	EV Scheduling Framework for Peak Demand Management in LV Residential Networks. IEEE Systems Journal, 2022, 16, 1520-1528.	2.9	12
3	Hybrid Scenario-IGDT-Based Congestion Management Considering Uncertain Demand Response Firms and Wind Farms. IEEE Systems Journal, 2022, 16, 3108-3119.	2.9	5
4	An Optimized Distributed Cooperative Control to Improve the Charging Performance of Battery Energy Storage in a Multiphotovoltaic Islanded DC Microgrid. IEEE Systems Journal, 2022, 16, 1170-1181.	2.9	6
5	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
6	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
7	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
8	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
9	Active distribution system resilience quantification and enhancement through multi-microgrid and mobile energy storage. Applied Energy, 2022, 311, 118665.	5.1	37
10	Multi-Energy Microgrids Incorporating EV Integration: Optimal Design and Resilient Operation. IEEE Transactions on Smart Grid, 2022, 13, 3508-3518.	6.2	20
11	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
12	A benchmark model for low voltage distribution networks with PV systems and smart inverter control techniques. Renewable and Sustainable Energy Reviews, 2022, 166, 112571.	8.2	4
13	Transactive energy for low voltage residential networks: A review. Applied Energy, 2022, 323, 119556.	5.1	13
14	An Optimal Allocation of Reactive Power Capable End-User Devices for Grid Support. IEEE Systems Journal, 2021, 15, 3249-3260.	2.9	1
15	Smart Grid Security Enhancement by Using Belief Propagation. IEEE Systems Journal, 2021, 15, 2046-2057.	2.9	8
16	A Bi-level optimization-based community energy management system for optimal energy sharing and trading among peers. Journal of Cleaner Production, 2021, 279, 123254.	4.6	46
17	A Coordinated Electric Vehicle Management System for Grid-Support Services in Residential Networks. IEEE Systems Journal, 2021, 15, 2066-2077.	2.9	51
18	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

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19	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
20	Energy Trading in Local Electricity Market With Renewablesâ€"A Contract Theoretic Approach. IEEE Transactions on Industrial Informatics, 2021, 17, 3717-3730.	7.2	22
21	A Battery Energy Storage Sizing Method for Parking Lot Equipped With EV Chargers. IEEE Systems Journal, 2021, 15, 4459-4469.	2.9	8
22	DC Fault Identification in Multiterminal HVDC Systems Based on Reactor Voltage Gradient. IEEE Access, 2021, 9, 115855-115867.	2.6	6
23	Energy Management Systems for Residential Buildings With Electric Vehicles and Distributed Energy Resources. IEEE Access, 2021, 9, 46997-47007.	2.6	22
24	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
25	A Quantitative Approach for Convergence Analysis of a Singularly Perturbed Inverter-Based Microgrid. IEEE Transactions on Energy Conversion, 2021, 36, 3016-3030.	3.7	5
26	Economic Analysis of Energy Scheduling and Trading in Multiple-Microgrids Environment. , 2021, , .		1
27	Optimized Energy Control Scheme for Electric Drive of EV Powertrain Using Genetic Algorithms. Energies, 2021, 14, 3529.	1.6	3
28	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
29	Distributed Consensus-Based Economic Dispatch in Power Grids Using the Paillier Cryptosystem. IEEE Transactions on Smart Grid, 2021, 12, 3493-3502.	6.2	33
30	Planning for resilience in power distribution networks: A multiâ€objective decision support. IET Smart Grid, 2021, 4, 45-60.	1.5	3
31	Low Voltage Distribution Networks Modeling and Unbalanced (Optimal) Power Flow: A Comprehensive Review. IEEE Access, 2021, 9, 143026-143084.	2.6	5
32	Design and Validation of a Reduced Switching Components Step-Up Multilevel Inverter (RSCS-MLI). Processes, 2021, 9, 1948.	1.3	4
33	Impact of Meshed HVDC Grid Operation and Control on the Dynamics of AC/DC Systems. IEEE Systems Journal, 2021, 15, 5209-5220.	2.9	4
34	Performance Improvement of Switched Reluctance Motor Using Hybrid Excitation Method Without Permanent Magnets. , 2021, , .		4
35	An Optimized Offline Random Forests-Based Model for Ultra-Short-Term Prediction of PV Characteristics. IEEE Transactions on Industrial Informatics, 2020, 16, 202-214.	7.2	41
36	An Adaptive Wind-Driven Optimization Algorithm for Extracting the Parameters of a Single-Diode PV Cell Model. IEEE Transactions on Sustainable Energy, 2020, 11, 1054-1066.	5.9	59

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37	Enhancing Power Grid Resilience Through an IEC61850-Based EV-Assisted Load Restoration. IEEE Transactions on Industrial Informatics, 2020, 16, 1799-1810.	7.2	41
38	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
39	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
40	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
41	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
42	The Impact of Prediction Errors in the Domestic Peak Power Demand Management. IEEE Transactions on Industrial Informatics, 2020, 16, 4567-4579.	7.2	28
43	A residential energy management system with bi-level optimization-based bidding strategy for day-ahead bi-directional electricity trading. Applied Energy, 2020, 261, 114322.	5.1	63
44	Dynamic voltage stability of unbalanced <scp>DNs</scp> with high penetration of roof–top <scp>PV</scp> units. International Transactions on Electrical Energy Systems, 2020, 30, e12631.	1.2	3
45	A Multifunctional Single-Phase EV On-Board Charger With a New V2V Charging Assistance Capability. IEEE Access, 2020, 8, 116812-116823.	2.6	32
46	A-source Inverter-fed PMSM drive with fault-tolerant capability for Electric Vehicles. , 2020, , .		3
47	Thermal Control Compensation of Induction Motor Drive in Electrified Powertrain. , 2020, , .		1
48	A Photovoltaic-Fed Z-Source Inverter Motor Drive with Fault-Tolerant Capability for Rural Irrigation. Energies, 2020, 13, 4630.	1.6	6
49	Anti-Islanding Method for Houses Equipped with Electric Vehicles and Photovoltaic System. , 2020, , .		0
50	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
51	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
52	Optimal price based control of HVAC systems in multizone office buildings for demand response. Journal of Cleaner Production, 2020, 270, 122059.	4.6	38
53	Frequency regulation of multiple asynchronous grids using adaptive droop in high–voltage direct current system. IET Generation, Transmission and Distribution, 2020, 14, 1389-1399.	1.4	4
54	Design and Implementation of Trans-Z-Source Inverter-Fed Induction Motor Drive with Fault-Tolerant Capability. , 2020, , .		2

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55	Multiobjective Optimization Technique for Mitigating Unbalance and Improving Voltage Considering Higher Penetration of Electric Vehicles and Distributed Generation. IEEE Systems Journal, 2020, 14, 3676-3686.	2.9	39
56	Multiple Home-to-Home Energy Transactions for Peak Load Shaving. IEEE Transactions on Industry Applications, 2020, 56, 1074-1085.	3.3	31
57	Power management and control coordination strategy for autonomous hybrid microgrids. IET Generation, Transmission and Distribution, 2020, 14, 119-130.	1.4	6
58	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
59	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
60	An overview of unbalance compensation techniques using power electronic converters for active distribution systems with renewable generation. Renewable and Sustainable Energy Reviews, 2020, 125, 109812.	8.2	39
61	An improved wind driven optimization algorithm for parameters identification of a triple-diode photovoltaic cell model. Energy Conversion and Management, 2020, 213, 112872.	4.4	51
62	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
63	Rebound behaviour of uncoordinated EMS and their impact minimisation. IET Smart Grid, 2020, 3, 237-245.	1.5	4
64	Tri-Objective LPV Controller Design for the Thermal Management of Motor Drive Parameters in an Electric Vehicle. , 2020, , .		0
65	LSTM Neural Network Model for Ultra-short-term Distribution Zone Substation Peak Demand Prediction. , 2020, , .		2
66	Novel Sizing Method of Energy Storage System Considering Intermittent Usage of EVs in a Constrained Grid. , 2020, , .		1
67	Robust Power Sharing between Dual Active Bridges to Improve a DC Microgrid's Stability. , 2020, , .		1
68	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
69	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
70	Peak-Load Management in Commercial Systems With Electric Vehicles. IEEE Systems Journal, 2019, 13, 1872-1882.	2.9	63
71	Optimal Dispatch of Electrical Vehicle and PV Power to Improve the Power Quality of an Unbalanced Distribution Grid. , 2019, , .		6
72	Advanced power routing framework for optimal economic operation and control of solar photovoltaicâ€"based islanded microgrid. IET Smart Grid, 2019, 2, 242-249.	1.5	8

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73	Teager-Huang based Fault Detection in Inverter-interfaced AC Microgrid. , 2019, , .		7
74	A Comparison of Performance of GA, PSO and Differential Evolution Algorithms for Dynamic Phase Reconfiguration Technology of a Smart Grid. , 2019, , .		8
75	Improving Power Quality of Distributed PV-EV Distribution Grid by Mitigating Unbalance. , 2019, , .		1
76	A customer-based-strategy to minimize the cost of energy consumption by optimal utilization of energy resources in an apartment building. IOP Conference Series: Earth and Environmental Science, 2019, 322, 012018.	0.2	4
77	On the application of Home Energy Management Systems for power grid support. Energy, 2019, 188, 116104.	4.5	28
78	Short-term Voltage Stability of Distribution Grids With Medium-scale PV Plants due to Asymmetrical Faults. , 2019, , .		0
79	Output Feedback Adaptive Control for Inter-area Oscillation Damping Under Power System Uncertainties. , 2019, , .		0
80	A New Grid-support Strategy with PV Units to Enhance Short-term Voltage Stability. , 2019, , .		0
81	A Multi-agent system based residential electric vehicle management system for grid-support service. , 2019, , .		12
82	An aggregator-based-strategy to minimize the cost of energy consumption by optimal utilization of energy resources in an apartment building. , 2019, , .		8
83	Mitigating unbalance using distributed network reconfiguration techniques in distributed power generation grids with services for electric vehicles: A review. Journal of Cleaner Production, 2019, 239, 117932.	4.6	42
84	Transactive Energy Trading of Residential Prosumers Using Battery Energy Storage Systems. , 2019, , .		8
85	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
86	An Enhanced Control System for Single-Phase Inverters Interfaced With Weak and Distorted Grids. IEEE Transactions on Power Electronics, 2019, 34, 12538-12551.	5.4	43
87	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
88	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
89	Harmonic Identification based on DSC and MAF for Three-phase Shunt Active Power Filter. , 2019, , .		1
90	Multi-objective Dynamic Phase re-configuration Technique to Mitigate the Unbalance Due to Penetration of Electric Vehicles. , 2019, , .		0

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91	Reducing Neutral Current of a higher EV Penetrated Unbalanced Distribution Grid. , 2019, , .		2
92	Impact Assessment of Credible Contingency and Cyber Attack on Australian 14-Generator Interconnected Power System. , 2019, , .		1
93	Microgrid Energy Management System for Academic Building. , 2019, , .		2
94	An Optimized Power Management System for an Islanded DC Microgrid. , 2019, , .		1
95	Neutral-point Voltage Control of Three-level NPC Inverter for Three-phase APF based on Zero-sequence Voltage Injection. , 2019, , .		0
96	Parameters Extraction of a Photovoltaic Cell Model Using a Co-evolutionary Heterogeneous Hybrid Algorithm. , 2019, , .		3
97	Distributed Control and Power Management Strategy for Parallel Bidirectional Power Converters in Hybrid Microgrids. , 2019, , .		0
98	A Contract-based Trading Model for Electricity Suppliers in Smart Grids. , 2019, , .		1
99	Compensating Neutral Current, Voltage Unbalance and Improving Voltage of an Unbalanced Distribution Grid Connected with EV and Renewable Energy Sources. , 2019, , .		3
100	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
101	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
102	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
103	A Commercial Building Based Microgrid Performance Investigation. Smart Innovation, Systems and Technologies, 2019, , 209-217.	0.5	0
104	Design and Implementation of a Hierarchical Hybrid Communication Platform for Multi-Microgrid Applications. Smart Innovation, Systems and Technologies, 2019, , 199-208.	0.5	0
105	Power-demand management in a smart grid using electric vehicles. , 2019, , 111-142.		0
106	A unified multi-functional on-board EV charger for power-quality control in household networks. Applied Energy, 2018, 215, 186-201.	5.1	38
107	Computational tools for design, analysis, and management of residential energy systems. Applied Energy, 2018, 221, 535-556.	5.1	26
108	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

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109	Multifunctional Three-Phase Four-Leg PV-SVSI With Dynamic Capacity Distribution Method. IEEE Transactions on Industrial Informatics, 2018, 14, 2507-2520.	7.2	21
110	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
111	Modal interaction of power systems with high penetration of renewable energy and BES systems. International Journal of Electrical Power and Energy Systems, 2018, 97, 385-395.	3.3	53
112	Integration of electric vehicles and management in the internet of energy. Renewable and Sustainable Energy Reviews, 2018, 82, 4179-4203.	8.2	132
113	Active power management in a low-voltage islanded microgrid. International Journal of Electrical Power and Energy Systems, 2018, 98, 36-47.	3.3	34
114	Distinguishing Between Cyber Injection and Faults Using Machine Learning Algorithms. , 2018, , .		7
115	The Technical, Operational and Energy Policy Issues for Developing Photovoltaic Systems: A Review. , 2018, , .		4
116	Vehicle-to-Grid On-Board Charger using SiC MOSFET and High Frequency Coaxial Transformer. , 2018, , .		0
117	PW 2017â€¦Beach safety knowledge, attitudes and practices among beach users in coxâ€™s bazar, and the challenges to implementing a lifeguard service in bangladesh. , 2018, , .		0
118	Fault Protection Technique for ZSI-fed Single-Phase Induction Motor Drive System. , 2018, , .		7
119	Design and analysis of an UFLS scheme for low-inertia based power grid. , 2018, , .		1
120	Optimal Utilization of Renewable Power Production by Sharing Power among Commercial Buildings: Case Study of Griffith University. , 2018, , .		0
121	A VRC Hâˆž Design for Dynamic Thermal Derating of Induction Machines. , 2018, , .		3
122	Battery Energy Management to Minimize the Grid Fluctuation in Residential Microgrids. , 2018, , .		2
123	Distributed Control and Power Management Strategy for an Autonomous Hybrid Microgrid with Multiple Sub-Microgrids. , 2018, , .		1
124	Bi-directional TRIAC fault-protection technique for Z-source half-bridge converter-fed AC motor Drives. , 2018, , .		3
125	Communication Architecture, Technologies, and Requirement for Modern Energy Systems. , 2018, , .		1
126	An Enhanced Adaptive Filter for Orthogonal Signal Generation in a Single-phase DQ Current Controller. , 2018, , .		4

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127	Enhanced orthogonal signal generator for a single‐phase grid‐connected converter. IET Power Electronics, 2018, 11, 2563-2572.	1.5	10
128	Internet of Things Platform for Energy Management in Multi-Microgrid System to Improve Neutral Current Compensation. Energies, 2018, 11, 3102.	1.6	13
129	Improved Unbalance Compensation for Energy Management in Multi-Microgrid System with Internet of Things Platform. , 2018, , .		3
130	Game-theoretic approach to demand-side energy management for a smart neighbourhood in Sydney incorporating renewable resources. Applied Energy, 2018, 232, 245-257.	5.1	64
131	Design and Implementation of an Advanced Vehicle-to-Vehicle (V2V) Power Transfer Operation Using Communications. , 2018, , .		13
132	Energy Cost Optimization and DER Scheduling for Unified Energy Management System of Residential Neighborhood. , 2018, , .		16
133	A Home-to-Home Energy Sharing Process for Domestic Peak Load Management. , 2018, , .		2
134	A Framework for Evaluation of Power Grid Resilience Case Study: 2016 South Australian Blackout. , 2018, , .		6
135	Neutral Current Compensation in a VSG-Based Three-Phase Four-Wire Microgrid System. , 2018, , .		2
136	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
137	An LPV Hâˆž Control Design for the Varying Rotor Resistance Effects on the Dynamic Performance of Induction Motors. , 2018, , .		2
138	Efficacy of Interleaved Two-leg Buck-boost Converter in EV Charger Design. , 2018, , .		3
139	A hybrid AC/DC microgrid control system based on a virtual synchronous generator for smooth transient performances. Electric Power Systems Research, 2018, 162, 169-182.	2.1	60
140	Peak-Load Reduction by Coordinated Response of Photovoltaics, Battery Storage, and Electric Vehicles. IEEE Access, 2018, 6, 29353-29365.	2.6	114
141	A Hybrid Communication Platform for Multi-Microgrid Energy Management System Optimization. , 2018, , .		8
142	PW 1368â€...Disaster preparedness in local community: a quantitative baseline study in coastal regions of bangladesh. , 2018, , .		0
143	PW 2050â€...Estimating the burden of injuries among urban children in bangladesh from a nationwide survey: evidence for policy implication. , 2018, , .		0
144	PA 09-5-1376â€...Community risk mapping for water safety and drowning prevention: a pra technique to identify possible interventions in bangladesh. , 2018, , .		0

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145	Robust Partial Feedback Linearizing Excitation Controller Design for Multimachine Power Systems. IEEE Transactions on Power Systems, 2017, 32, 3-16.	4.6	52
146	Proportional Fairness-Based Beamforming and Signal Splitting for MISO-SWIPT Systems. IEEE Communications Letters, 2017, 21, 1135-1138.	2.5	10
147	Design of Droop-based Control for Power Management in Islanded RL-type Microgrids. International Journal of Emerging Electric Power Systems, 2017, 18, .	0.6	0
148	Optimal Stochastic Power Allocation and Relay Selection for Energy Harvesting Systems. IEEE Wireless Communications Letters, 2017, 6, 546-549.	3.2	7
149	Mitigating the impact of rapid changes in photovoltaic power generation on network voltage. , 2017, , .		7
150	Joint RRH selection and beamforming in distributed antenna systems with energy harvesting. , 2017, , .		2
151	DC-link voltage regulation of inverters to enhance microgrid stability during network contingencies. Electric Power Systems Research, 2017, 147, 233-244.	2.1	33
152	An advanced harmonic extraction technique applied to a three-phase three-level active power filter. , 2017, , .		6
153	Performance analysis of an experimental smart building: Expectations and outcomes. Energy, 2017, 135, 740-753.	4.5	19
154	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
155	An evaluation of Emergency Management of Severe Burn (EMSB) course in Bangladesh: a strategic direction. Burns and Trauma, 2017, 5, 12.	2.3	7
156	Escort Evolutionary Game Dynamics Approach for Integral Load Management of Electric Vehicle Fleets. IEEE Transactions on Industrial Electronics, 2017, 64, 1358-1369.	5.2	36
157	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
158	Voltage regulation for off-peak and peak conditions in distribution networks with the high penetration of PV units. , 2017, , .		2
159	Design and implementation of a cloud-based IoT platform for data acquisition and device supply management in smart buildings. , 2017, , .		9
160	Impact of battery energy storage systems on electromechanical oscillations in power systems. , 2017, , .		17
161	Optimal scheduling of electrical appliances and DER units for home energy management system. , 2017, , .		10
162	Dynamic behavior of transformerless PV system on the short-term voltage stability of distribution network. , 2017, , .		9

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163	A comparative study of two current-control techniques applied to a three-phase three-level active power filter. , 2017, , .		3
164	A new PWM Shoot-through control for voltage-fed quasi-z-source DC/DC converters. , 2017, , .		4
165	Overview of AC Microgrid Controls with Inverter-Interfaced Generations. Energies, 2017, 10, 1300.	1.6	151
166	Improvement of supply restoration in multi-spare-feeder active distribution grids using IEC 61850. , 2017, , .		0
167	Switching performance optimization for a hybrid AC/DC microgrid using an improved VSG control strategy. , 2017, , .		1
168	A communication-enhanced price-based control scheme for HVAC systems. , 2017, , .		1
169	Domestic peak-load management including vehicle-to-grid and battery storage unit using an artificial neural network. , 2017, , .		14
170	Evaluation of CIP bred clones for expansion of potato production in the coastal areas of Bangladesh. Open Agriculture, 2016, 1, 189-197.	0.7	1
171	818â€¦Effectiveness of seasafe lifeguard services in coxâ€™s bazar beach Bangladesh. Injury Prevention, 2016, 22, A292.3-A293.	1.2	1
172	1039â€¦Challenges in injury data entry management in low resource settings â€" experiences from Bangladesh. Injury Prevention, 2016, 22, A370.1-A370.	1.2	0
173	1018â€¦Womenâ€™s participation in ensuring children safety-experences from Bangladesh. Injury Prevention, 2016, 22, A363.1-A363.	1.2	0
174	Data Rate Fairness Cooperative Beamforming Techniques for Cognitive Radio Systems in the Presence of Asynchronous Interferences. IEEE Transactions on Communications, 2016, 64, 4083-4096.	4.9	3
175	826â€¦Analysing a drowning case in coxâ€™s bazar beach in Bangladesh: implication for future intervention. Injury Prevention, 2016, 22, A295.3-A295.	1.2	0
176	270â€¦Survival swimming â€" effectiveness of swimsafe in preventing drowning in mid and late childhood. Injury Prevention, 2016, 22, A99.1-A99.	1.2	5
177	212â€¦Oil spillage effects on health and safety among the local communities â€" experience from Bangladesh. Injury Prevention, 2016, 22, A77.3-A78.	1.2	0
178	Multifunctional control of single-phase transformerless PV inverter connected to a distribution network. , 2016, , .		2
179	Performance investigation of hybrid AC/DC microgrids during mode transitions. , 2016, , .		10
180	Maximising electro-mechanical response by minimising grain-scale strain heterogeneity in phase-change actuator ceramics. Applied Physics Letters, 2016, 109, .	1.5	6

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181	A multi-purpose interlinking converter control for multiple hybrid AC/DC microgrid operations. , 2016, , .		10
182	Implementation of independent improved neutral current controller using four leg PV-VSI. , 2016, , .		3
183	Over-voltage limiter of an inverter to improve microgrid reliability during unpredictable cases. , 2016, , .		1
184	Transient Responses of the Doubly-Fed Induction Generator Wind Turbine under Grid Fault Conditions. , 2016, , .		1
185	Impact of controlling zero sequence current in a three-phase four-wire LV network with PV units. , 2016, , .		4
186	An Unified Iterative Algorithm for Load Flow Analysis of Power System Including Wind Farms. , 2016, , .		1
187	Optimizing crop geometry for processing-grade tuber yield, quality and economics of potato in Grey Terrace Soil. Archives of Agronomy and Soil Science, 2016, 62, 1496-1507.	1.3	5
188	Hierarchical controls selection based on PV penetrations for voltage rise mitigation in a LV distribution network. International Journal of Electrical Power and Energy Systems, 2016, 81, 123-139.	3.3	47
189	Agent-based reactive power management of power distribution networks with distributed energy generation. Energy Conversion and Management, 2016, 120, 120-134.	4.4	24
190	Cost-benefit analysis for proactive consumers in a microgrid for transactive energy management systems. , 2016, , .		8
191	Harmonic balance method used for harmonics calculation and prediction in power systems. , 2016, , .		1
192	EV charging in a commercial hybrid AC/DC microgrid: Configuration, control and impact analysis. , 2016, , .		8
193	Proportional reactive power sharing for islanded microgrids. , 2016, , .		6
194	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
195	835â€¦What's the reporting status of child drowning and near drowning: findings from 10 district's government health facilities of Bangladesh. Injury Prevention, 2016, 22, A298.2-A298.	1.2	0
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