

Mohamed Shawky El Moursi

List of Publications by Year in descending order

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170
papers

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174
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4226
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#	ARTICLE	IF	CITATIONS
1	A Review of Power System Flexibility With High Penetration of Renewables. IEEE Transactions on Power Systems, 2019, 34, 3140-3155.	6.5	258
2	A Novel Droop-Based Average Voltage Sharing Control Strategy for DC Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 1096-1106.	9.0	171
3	Subsynchronous Resonance Mitigation for Series-Compensated DFIG-Based Wind Farm by Using Two-Degree-of-Freedom Control Strategy. IEEE Transactions on Power Systems, 2015, 30, 1442-1454.	6.5	144
4	Wind speed and solar irradiance forecasting techniques for enhanced renewable energy integration with the grid: a review. IET Renewable Power Generation, 2016, 10, 885-989.	3.1	133
5	An Adaptive Fuzzy Logic Control Strategy for Performance Enhancement of a Grid-Connected PMSC-Based Wind Turbine. IEEE Transactions on Industrial Informatics, 2019, 15, 3163-3173.	11.3	129
6	An Overview of Modular Multilevel Converters in HVDC Transmission Systems With STATCOM Operation During Pole-to-Pole DC Short Circuits. IEEE Transactions on Power Electronics, 2019, 34, 4137-4160.	7.9	120
7	Fault ride through capability for grid interfacing large scale PV power plants. IET Generation, Transmission and Distribution, 2013, 7, 1027-1036.	2.5	116
8	Stability Evaluation of Interconnected Multi-Inverter Microgrids Through Critical Clusters. IEEE Transactions on Power Systems, 2016, 31, 3060-3072.	6.5	101
9	A Novel Type-1 Frequency-Locked Loop for Fast Detection of Frequency and Phase With Improved Stability Margins. IEEE Transactions on Power Electronics, 2016, 31, 2550-2561.	7.9	92
10	Review of grid-tied converter topologies used in photovoltaic systems. IET Renewable Power Generation, 2016, 10, 1543-1551.	3.1	87
11	Exact BER Performance Analysis for Downlink NOMA Systems Over Nakagami- m Fading Channels. IEEE Access, 2019, 7, 134539-134555.	4.2	82
12	Voltage Booster Schemes for Fault Ride-Through Enhancement of Variable Speed Wind Turbines. IEEE Transactions on Sustainable Energy, 2013, 4, 1071-1081.	8.8	79
13	A Parallel Capacitor Control Strategy for Enhanced FRT Capability of DFIG. IEEE Transactions on Sustainable Energy, 2015, 6, 303-312.	8.8	77
14	Adaptive Voltage and Frequency Control of Islanded Multi-Microgrids. IEEE Transactions on Power Systems, 2018, 33, 4454-4465.	6.5	75
15	A Dynamic Master/Slave Reactive Power-Management Scheme for Smart Grids With Distributed Generation. IEEE Transactions on Power Delivery, 2014, 29, 1157-1167.	4.3	73
16	A Unified Online Deep Learning Prediction Model for Small Signal and Transient Stability. IEEE Transactions on Power Systems, 2020, 35, 4585-4598.	6.5	69
17	A Novel Transient Control Strategy for VSC-HVDC Connecting Offshore Wind Power Plant. IEEE Transactions on Sustainable Energy, 2014, 5, 1056-1069.	8.8	68
18	A review of multilevel inverter topologies, control techniques, and applications. , 2017, , .		67

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19	A Dynamic Coordination Control Architecture for Reactive Power Capability Enhancement of the DFIG-Based Wind Power Generation. IEEE Transactions on Power Systems, 2020, 35, 3051-3064.	6.5	67
20	A Control Strategy for Voltage Unbalance Mitigation in an Islanded Microgrid Considering Demand Side Management Capability. IEEE Transactions on Smart Grid, 2019, 10, 2558-2568.	9.0	65
21	Novel Fault Ride-Through Scheme and Control Strategy for Doubly Fed Induction Generator-Based Wind Turbine. IEEE Transactions on Energy Conversion, 2015, 30, 635-645.	5.2	62
22	DC Voltage Regulation and Frequency Support in Pilot Voltage Droop-Controlled Multiterminal HVdc Systems. IEEE Transactions on Power Delivery, 2018, 33, 1153-1164.	4.3	60
23	A New Protection Scheme Considering Fault Ride Through Requirements for Transmission Level Interconnected Wind Parks. IEEE Transactions on Industrial Informatics, 2015, 11, 1324-1333.	11.3	59
24	Advanced Fault Ride-Through Management Scheme for VSC-HVDC Connecting Offshore Wind Farms. IEEE Transactions on Power Systems, 2016, 31, 4923-4934.	6.5	55
25	Fault Ride Through and Grid Support Topology for the VSC-HVDC Connected Offshore Wind Farms. IEEE Transactions on Power Delivery, 2017, 32, 1592-1604.	4.3	53
26	Optimal Design of an Islanded Microgrid With Load Shifting Mechanism Between Electrical and Thermal Energy Storage Systems. IEEE Transactions on Power Systems, 2020, 35, 2642-2657.	6.5	53
27	Optimal Allocation of HTS-FCL for Power System Security and Stability Enhancement. IEEE Transactions on Power Systems, 2013, 28, 4701-4711.	6.5	50
28	Novel Coordinated Voltage Control for Hybrid Micro-Grid With Islanding Capability. IEEE Transactions on Smart Grid, 2015, 6, 1116-1127.	9.0	50
29	Reduced-Order Model for Inter-Inverter Oscillations in Islanded Droop-Controlled Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 4953-4963.	9.0	50
30	Coordinated Frequency Control Strategy for an Islanded Microgrid With Demand Side Management Capability. IEEE Transactions on Energy Conversion, 2018, 33, 639-651.	5.2	48
31	Exact Bit Error-Rate Analysis of Two-User NOMA Using QAM With Arbitrary Modulation Orders. IEEE Communications Letters, 2020, 24, 2705-2709.	4.1	47
32	Conservation Voltage Reduction for Autonomous Microgrids Based on $V^{\alpha}I$ Droop Characteristics. IEEE Transactions on Sustainable Energy, 2017, 8, 1076-1085.	8.8	46
33	Frequency Adaptive CDSC-PLL Using Axis Drift Control Under Adverse Grid Condition. IEEE Transactions on Industrial Electronics, 2017, 64, 2671-2682.	7.9	45
34	Energy Management of Grid Interconnected Multi-Microgrids Based on P2P Energy Exchange: A Data Driven Approach. IEEE Transactions on Power Systems, 2021, 36, 1546-1562.	6.5	45
35	Communication-Free Current Sharing Control Strategy for DC Microgrids and Its Application for AC/DC Hybrid Microgrids. IEEE Transactions on Power Systems, 2020, 35, 140-151.	6.5	43
36	Precise modeling of PEM fuel cell using improved chaotic MayFly optimization algorithm. International Journal of Energy Research, 2021, 45, 18754-18769.	4.5	43

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37	Obtaining Performance of Type-3 Phase-Locked Loop Without Compromising the Benefits of Type-2 Control System. IEEE Transactions on Power Electronics, 2018, 33, 1788-1796.	7.9	42
38	Review Map of Comparative Designs for Wireless High-Power Transfer Systems in EV Applications: Maximum Efficiency, ZPA, and CC/CV Modes at Fixed Resonance Frequency Independent From Coupling Coefficient. IEEE Transactions on Power Electronics, 2022, 37, 4857-4876.	7.9	42
39	Novel Fault Ride-Through Configuration and Transient Management Scheme for Doubly Fed Induction Generator. IEEE Transactions on Energy Conversion, 2013, 28, 86-94.	5.2	41
40	Renewable Energy Management System: Optimum Design and Hourly Dispatch. IEEE Transactions on Sustainable Energy, 2021, 12, 1615-1628.	8.8	40
41	Coordinated Voltage Control Scheme for SEIG-Based Wind Park Utilizing Substation STATCOM and ULTC Transformer. IEEE Transactions on Sustainable Energy, 2011, 2, 246-255.	8.8	39
42	Domain of Stability Characterization for Hybrid Microgrids Considering Different Power Sharing Conditions. IEEE Transactions on Energy Conversion, 2018, 33, 312-323.	5.2	37
43	Novel Configuration and Transient Management Control Strategy for VSC-HVDC. IEEE Transactions on Power Systems, 2014, 29, 2478-2488.	6.5	34
44	Online Supervisory Voltage Control for Grid Interface of Utility-Level PV Plants. IEEE Transactions on Sustainable Energy, 2014, 5, 843-853.	8.8	34
45	A Novel DC Fault Ride-Through Scheme for MTDC Networks Connecting Large-Scale Wind Parks. IEEE Transactions on Sustainable Energy, 2017, 8, 1086-1095.	8.8	34
46	Direct Torque Control With Constant Switching Frequency for Three-to-Five Phase Direct Matrix Converter Fed Five-Phase Induction Motor Drive. IEEE Transactions on Power Electronics, 2022, 37, 11019-11033.	7.9	34
47	Design considerations of superconducting fault current limiters for power system stability enhancement. IET Generation, Transmission and Distribution, 2017, 11, 2155-2163.	2.5	32
48	A New Type-2 PLL Based on Unit Delay Phase Angle Error Compensation During the Frequency Ramp. IEEE Transactions on Power Systems, 2019, 34, 3289-3293.	6.5	32
49	Further Optimized Scheduling of Micro Grids via Dispatching Virtual Electricity Storage Offered by Deferrable Power-Driven Demands. IEEE Transactions on Power Systems, 2020, 35, 3494-3505.	6.5	32
50	Novel Technique for Reducing the High Fault Currents and Enhancing the Security of ADWEA Power System. IEEE Transactions on Power Systems, 2013, 28, 140-148.	6.5	31
51	Toward Simulation-Free Estimation of Critical Clearing Time. IEEE Transactions on Power Systems, 2016, 31, 4722-4731.	6.5	31
52	Adaptive Low-Pass Filter Based DC Offset Removal Technique for Three-Phase PLLs. IEEE Transactions on Industrial Electronics, 2018, 65, 9025-9029.	7.9	31
53	A New PV System Configuration Based on Submodule Integrated Converters. IEEE Transactions on Power Electronics, 2017, 32, 3278-3284.	7.9	30
54	Control Approach for the Multi-Terminal HVDC System for the Accurate Power Sharing. IEEE Transactions on Power Systems, 2018, 33, 4323-4334.	6.5	30

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55	Application of Series Voltage Boosting Schemes for Enhanced Fault Ridethrough Performance of Fixed Speed Wind Turbines. IEEE Transactions on Power Delivery, 2014, 29, 61-71.	4.3	29
56	Adaptive Roles of Islanded Microgrid Components for Voltage and Frequency Transient Responses Enhancement. IEEE Transactions on Industrial Informatics, 2015, 11, 1298-1312.	11.3	29
57	A Novel Centralized PV Power Plant Controller for Reducing the Voltage Unbalance Factor at Transmission Level Interconnection. IEEE Transactions on Energy Conversion, 2017, 32, 233-243.	5.2	29
58	A Nine Switch Converter-Based Fault Ride Through Topology for Wind Turbine Applications. IEEE Transactions on Power Delivery, 2016, 31, 1757-1766.	4.3	27
59	Cooperation-Driven Distributed Control Scheme for Large-Scale Wind Farm Active Power Regulation. IEEE Transactions on Energy Conversion, 2017, 32, 1240-1250.	5.2	27
60	Hybrid microgrid operation characterisation based on stability and adherence to grid codes. IET Generation, Transmission and Distribution, 2014, 8, 563-572.	2.5	26
61	A New Fault Ride-Through (FRT) Topology for Induction Generator Based Wind Energy Conversion Systems. IEEE Transactions on Power Delivery, 2019, 34, 1129-1137.	4.3	26
62	A New Communication-Free Dual Setting Protection Coordination of Microgrid. IEEE Transactions on Power Delivery, 2021, 36, 2446-2458.	4.3	26
63	A Novel Dynamic Switching Table Based Direct Power Control Strategy for Grid Connected Converters. IEEE Transactions on Energy Conversion, 2018, 33, 1086-1097.	5.2	24
64	mixed-sensitivity robust control design for damping low-frequency oscillations with DFIG wind power generation. IET Generation, Transmission and Distribution, 2019, 13, 4274-4286.	2.5	24
65	A Comprehensive Review on CubeSat Electrical Power System Architectures. IEEE Transactions on Power Electronics, 2022, 37, 3161-3177.	7.9	24
66	A Hierarchical Control Strategy With Fault Ride-Through Capability for Variable Frequency Transformer. IEEE Transactions on Energy Conversion, 2015, 30, 132-141.	5.2	23
67	Hill Climbing Power Flow Algorithm for Hybrid DC/AC Microgrids. IEEE Transactions on Power Electronics, 2018, 33, 5532-5537.	7.9	23
68	Incentive Based Demand Response Program for Power System Flexibility Enhancement. IEEE Transactions on Smart Grid, 2021, 12, 2212-2223.	9.0	23
69	Fault Ride-Through Configuration and Transient Management Scheme for Self-Excited Induction Generator-Based Wind Turbine. IEEE Transactions on Sustainable Energy, 2014, 5, 148-159.	8.8	22
70	Novel coordinated secondary voltage control strategy for efficient utilisation of distributed generations. IET Renewable Power Generation, 2014, 8, 569-579.	3.1	22
71	Multiobjective Dynamic VAR Planning Strategy With Different Shunt Compensation Technologies. IEEE Transactions on Power Systems, 2018, 33, 2429-2439.	6.5	22
72	Performance Improvement of Existing Three Phase Synchronous Reluctance Machine: Stator Upgrading to 5-Phase With Combined Star-Pentagon Winding. IEEE Access, 2020, 8, 143569-143583.	4.2	22

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73	A Fast Recovery Technique for Grid-Connected Converters After Short Dips Using a Hybrid Structure PLL. IEEE Transactions on Industrial Electronics, 2018, 65, 3056-3068.	7.9	21
74	Alternating Submodule Configuration Based MMCs With Carrier-Phase-Shift Modulation in HVdc Systems for DC-Fault Ride-Through Capability. IEEE Transactions on Industrial Informatics, 2019, 15, 5214-5224.	11.3	21
75	NOMA Receiver Design for Delay-Sensitive Systems. IEEE Systems Journal, 2021, 15, 5606-5617.	4.6	21
76	Single-Phase Photovoltaic Inverters With Common-Ground and Wide Buck-Boost Voltage Operation. IEEE Transactions on Industrial Informatics, 2021, 17, 8275-8287.	11.3	21
77	Enhanced fault ride through performance of self-excited induction generator-based wind park during unbalanced grid operation. IET Power Electronics, 2013, 6, 1683-1695.	2.1	20
78	Energy Management Strategy of a Reconfigurable Grid-Tied Hybrid AC/DC Microgrid for Commercial Building Applications. IEEE Transactions on Smart Grid, 2022, 13, 1720-1738.	9.0	20
79	Dynamic Security-Constrained Automatic Generation Control (AGC) of Integrated AC/DC Power Networks. IEEE Transactions on Power Systems, 2018, 33, 3875-3885.	6.5	19
80	Linear-Quadratic Regulator Algorithm-Based Cascaded Control Scheme for Performance Enhancement of a Variable-Speed Wind Energy Conversion System. Arabian Journal for Science and Engineering, 2019, 44, 2281-2293.	3.0	19
81	Novel Power Smoothing and Generation Scheduling Strategies for a Hybrid Wind and Marine Current Turbine System. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	17
82	A Reliable Single-Phase Bipolar Buck-Boost Direct PWM AC-AC Converter With Continuous Input/Output Currents. IEEE Transactions on Industrial Electronics, 2020, 67, 10253-10265.	7.9	17
83	Dispatching and Frequency Control Strategies for Marine Current Turbines Based on Doubly Fed Induction Generator. IEEE Transactions on Sustainable Energy, 2016, 7, 262-270.	8.8	16
84	Online Coherency Based Adaptive Wide Area Damping Controller for Transient Stability Enhancement. IEEE Transactions on Power Systems, 2020, 35, 3100-3113.	6.5	16
85	A Novel Power-Based Orthogonal Signal Generator for Single-Phase Systems. IEEE Transactions on Power Delivery, 2021, 36, 469-472.	4.3	16
86	Parameter Estimation of Vehicle Batteries in V2G Systems: An Exogenous Function-Based Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 9535-9546.	7.9	16
87	Cross-Gramian Model Reduction Approach for Tuning Power System Stabilizers in Large Power Networks. IEEE Transactions on Power Systems, 2020, 35, 1911-1922.	6.5	15
88	A High-Frequency Isolated Multilevel Cascaded-Type Bipolar Direct PWM AC-AC Converter for Utility Voltage Compensation. IEEE Transactions on Industry Applications, 2021, 57, 3188-3201.	4.9	15
89	Enhanced Performance of Charging Stations via Converter Control Under Unbalanced and Harmonic Distorted Grids. IEEE Transactions on Power Delivery, 2021, 36, 3964-3976.	4.3	15
90	Switching-Cell Buck-Boost AC-AC Converter With Common-Ground and Noninverting/Inverting Operations. IEEE Transactions on Power Electronics, 2021, 36, 13944-13957.	7.9	15

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91	Novel control strategies for SSR mitigation and damping power system oscillations in a series compensated wind park. , 2012, , .		14
92	Hybrid HTS-FCL Configuration With Adaptive Voltage Compensation Capability. IEEE Transactions on Applied Superconductivity, 2014, 24, 1-8.	1.7	14
93	Voltage booster scheme for enhancing the fault ride-through of wind turbines. IET Power Electronics, 2015, 8, 1853-1863.	2.1	14
94	Advanced Type-1c FLL for Enhancing Converters Synchronization During Frequency Drift. IEEE Transactions on Power Delivery, 2021, 36, 1063-1078.	4.3	14
95	Refurbishing three-phase synchronous reluctance machines to multiphase machines. Electrical Engineering, 2021, 103, 139-152.	2.0	14
96	High-Efficiency Single-Phase Matrix Converter With Diverse Symmetric Bipolar Buck and Boost Operations. IEEE Transactions on Power Electronics, 2021, 36, 4300-4315.	7.9	13
97	Novel Optimal PMU Placement Approach Based on the Network Parameters for Enhanced System Observability and Wide Area Damping Control Capability. IEEE Transactions on Power Systems, 2021, 36, 5345-5358.	6.5	13
98	Comparison of Peak Power Tracking Based Electric Power System Architectures for CubeSats. IEEE Transactions on Industry Applications, 2021, 57, 2758-2768.	4.9	13
99	Selective Frequency Support Approach for MTDC Systems Integrating Wind Generation. IEEE Transactions on Power Systems, 2021, 36, 366-378.	6.5	12
100	Novel Step-Up Transformerless Inverter Topology for 1- $\hat{1}$ Grid-Connected Photovoltaic System. IEEE Transactions on Industry Applications, 2021, 57, 2801-2815.	4.9	12
101	Single-Phase Symmetric-Bipolar-Type High-Frequency Isolated Buck-Boost AC-AC Converter With Continuous Input and Output Currents. IEEE Transactions on Power Electronics, 2021, 36, 11579-11592.	7.9	12
102	A modified space vector modulation algorithm for a matrix converter with lower total harmonic distortion. , 2016, , .		11
103	SBO-based selective harmonic elimination for nine levels asymmetrical cascaded H-bridge multilevel inverter. Australian Journal of Electrical and Electronics Engineering, 2018, 15, 131-143.	1.2	10
104	Co-optimisation of wind farm micro-siting and cabling layouts. IET Renewable Power Generation, 2021, 15, 1848-1860.	3.1	10
105	Comparative Analysis of Refurbishing Methods of Three-Phase Synchronous Reluctance Machines to Five-Phase With Minimum Cost. IEEE Transactions on Industry Applications, 2021, 57, 6007-6022.	4.9	10
106	Comprehensive design and control methodology for DC-powered satellite electrical subsystem based on PV and battery. IET Renewable Power Generation, 2020, 14, 2202-2210.	3.1	10
107	Optimal PMU Allocation Strategy for Completely Observable Networks With Enhanced Transient Stability Characteristics. IEEE Transactions on Power Delivery, 2022, 37, 4086-4102.	4.3	10
108	A fully decentralized machine learning algorithm for optimal power flow with cooperative information exchange. International Journal of Electrical Power and Energy Systems, 2022, 139, 107990.	5.5	10

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109	A practical load sharing control strategy for DC microgrids and DC supplied houses. , 2013, , .		9
110	Gain compensation approach for low-voltage ride-through and dynamic performance improvement of three-phase type-3 PLL. IET Power Electronics, 2020, 13, 1613-1621.	2.1	9
111	A New Δ -MRAS Method for Motor Speed Estimation. IEEE Transactions on Power Delivery, 2021, 36, 1903-1906.	4.3	9
112	A Novel Multiport Converter Interface for Solar Panels of CubeSat. IEEE Transactions on Power Electronics, 2022, 37, 629-643.	7.9	9
113	Efficient Bit Loading Algorithm for OFDM-NOMA Systems With BER Constraints. IEEE Transactions on Vehicular Technology, 2022, 71, 423-436.	6.3	9
114	Power Factor Correction Using Predictive Current Control for Three-phase Induction Motor Drive System. Electric Power Components and Systems, 2014, 42, 190-202.	1.8	8
115	A Modified DPC Switching Technique Based on Optimal Transition Route for of 3L-NPC Converters. IEEE Transactions on Power Electronics, 2018, 33, 1902-1906.	7.9	8
116	A New Multiport DC-DC Converter for DC Microgrid Applications. , 2021, , .		8
117	Performance analysis of inverter fed from wind energy system. , 2016, , .		7
118	Critical Loading Characterization for MTDC Converters Using Trajectory Sensitivity Analysis. IEEE Transactions on Power Delivery, 2018, 33, 1962-1972.	4.3	7
119	Generator-based threshold for transient stability assessment. IET Smart Grid, 2019, 2, 407-419.	2.2	7
120	A vision of flexible dispatchable hybrid solar-wind-energy storage power plant. IET Renewable Power Generation, 2021, 15, 2983-2996.	3.1	7
121	Enhanced DC Voltage Regulation and Transient Response for Multi-Terminal VSC-HVDC System Using Direct Power Control. IEEE Transactions on Power Systems, 2022, 37, 2538-2548.	6.5	7
122	A Single Stage Doubly Grounded Transformerless Inverter Topology With Buck-Boost Voltage Capability for Grid Connected PV Systems. IEEE Transactions on Power Delivery, 2022, 37, 5044-5058.	4.3	7
123	Grid code violation during fault triggered islanding of hybrid micro-grid. , 2013, , .		6
124	Adaptive cascaded delayed signal cancelation PLL based fuzzy controller under grid disturbances. , 2016, , .		6
125	Tracking the performance of photovoltaic systems: a tool for minimising the risk of malfunctions and deterioration. IET Renewable Power Generation, 2018, 12, 815-822.	3.1	6
126	Family of single-phase isolated high-frequency transformer integrated improved magnetically coupled Z-source ac-ac converters. IET Power Electronics, 2020, 13, 1901-1910.	2.1	6

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127	Single-Phase Transfer Delay FLL With Enhanced Performance for Power System Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 349-360.	5.4	6
128	Performance Analysis of a Five-phase Synchronous Reluctance Motor Connected to Matrix Converter. , 2021, , .		6
129	A Novel 1- Dual Input Nine-Level Inverter Topology with Generalized Modulation Technique. IEEE Transactions on Energy Conversion, 2022, , 1-1.	5.2	6
130	Reduced-Order Generalized Integrator-Based Phase-Locked Loop: Performance Improvement for Grid Synchronization of Single-Phase Inverters. IEEE Transactions on Power Delivery, 2022, 37, 4382-4393.	4.3	6
131	Deep Learning-Based PMU Cyber Security Scheme Against Data Manipulation Attacks With WADC Application. IEEE Transactions on Power Systems, 2023, 38, 2148-2161.	6.5	6
132	Transient analysis on different types of super conducting fault current limiters. , 2013, , .		5
133	An integrated system configuration for electric springs to enhance the stability in future smart grid. , 2015, , .		5
134	Enhanced critical clearing time estimation and fault recovery strategy for an inverter-based microgrid with IM load. , 2016, , .		5
135	A Submodule-Capacitor Voltage Balancing Strategy for Alternative-Arm Converters in HVDC Systems. IEEE Transactions on Power Delivery, 2019, 34, 795-806.	4.3	5
136	A New High Gain Transformerless Inverter for Single Phase Grid-connected Solar PV Application. , 2019, , .		5
137	Individual Functions Method for Power System Transient Stability Assessment. IEEE Transactions on Power Systems, 2020, 35, 1264-1273.	6.5	5
138	Online DMDc Based Model Identification Approach for Transient Stability Enhancement Using Wide Area Measurements. IEEE Transactions on Power Systems, 2021, 36, 4884-4887.	6.5	5
139	Enhancing Lifetime of 1U/2U CubeSat Electric Power System With Distributed Architecture and Power-Down Mode. IEEE Transactions on Industry Applications, 2022, 58, 901-913.	4.9	5
140	Dynamic analysis of OLTC and voltage regulator under active network management considering different load profiles. , 2017, , .		4
141	A proposed Transformer-less Dynamic Voltage Restorer to Voltage Sag/swell Mitigation. , 2019, , .		4
142	A New Step-Up Transformerless Inverter Topology for 1-É, Grid-connected Solar Photovoltaic System. , 2020, , .		4
143	A Novel Single-Stage Buck-Boost Transformerless Inverter for 1-İ Grid-Connected Solar PV Systems. , 2020, , .		4
144	Multifunctional Control of Wind-Turbine Based Nano-Grid Connected to Distorted Utility-Grid. IEEE Transactions on Power Systems, 2022, 37, 576-589.	6.5	4

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145	Enhanced transient response and seamless interconnection of multi- μ microgrids based on an adaptive control scheme. IET Renewable Power Generation, 2021, 15, 2452-2467.	3.1	4
146	Utilization of reactive power resources of distributed generation for voltage collapse prevention in optimal power flow. , 2015, , .		3
147	A novel transient control strategy for VSC-HVDC connecting offshore wind power plant. , 2015, , .		3
148	Dynamic VAR planning for rotor-angle and short-term voltage stability enhancement. , 2017, , .		3
149	Active distribution network with efficient utilisation of distributed generation ancillary services. IET Smart Grid, 2018, 1, 151-158.	2.2	3
150	Benchmark model for multi-orbital transient analysis of satellite electrical power subsystem. IET Renewable Power Generation, 2020, 14, 286-296.	3.1	3
151	New self-balancing 7-level inverter with coupled inductors for grid-connected renewable energy systems with voltage boosting capability. IET Power Electronics, 2020, 13, 899-908.	2.1	3
152	An Improved Frequency Support Algorithm for MT-HVDC Systems. IEEE Transactions on Power Delivery, 2022, 37, 1916-1929.	4.3	3
153	An On-Board Fast Charger using New Bridgeless PFC Converter with Reduced DC-Link Capacitance. , 2020, , .		3
154	Modeling and Control of Multi-functional 3- ϕ Grid-Connected Photovoltaic Power System. , 2021, , .		3
155	A Novel Control Technique for Enhancing the Operation of MTDC Grids. IEEE Transactions on Power Systems, 2023, 38, 559-571.	6.5	3
156	An Analytical Approach for Frequency Estimation of Modern Power Grid. IEEE Transactions on Power Systems, 2022, 37, 4094-4097.	6.5	3
157	Optimal allocation of HTS-FCL for power system security and stability enhancement. , 2014, , .		2
158	Guest Editorial Modeling and Advanced Control of Wind Turbines/Wind Farms. IEEE Transactions on Energy Conversion, 2017, 32, 1105-1107.	5.2	2
159	A New Index of Power System Flexibility: Response Delay (θ) of Distributed Devices. , 2019, , .		2
160	A Novel Single-Phase Voltage Boosting Transformerless Inverter Topology for Grid-connected Solar PV Application. , 2021, , .		2
161	An Efficient Topology of Modular-Multilevel Converter with Alternative Arm Operation. , 2018, , .		1
162	Simultaneous voltage regulation and power sharing control algorithm for MTDC grids. , 2018, , .		1

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163	Design, implementation and performance analysis of shunt active filter based on a matrix converter. International Journal of Electronics, 2021, 108, 395-410.	1.4	1
164	Primary Frequency Support Strategy for MTDC System With Enhanced DC Voltage Response. IEEE Transactions on Power Systems, 2023, 38, 1512-1528.	6.5	1
165	An experimental investigation of a self-excited synchronous generator: Loading characteristics and output voltage harmonics. , 2017, , .		0
166	Coordinated control for frequency regulation in microgrids using RES, battery storage and demand response. , 2017, , .		0
167	Average voltage regulation in droop-controlled MTDC grids. , 2019, , .		0
168	Performance Analysis of Transformer-less Dynamic Voltage Restorer. , 2019, , .		0
169	IEEE Transactions on Power Delivery Joint Special Section on Hybrid AC/DC Transmission Grids. IEEE Transactions on Power Delivery, 2020, 35, 2747-2749.	4.3	0
170	Sharing of the loading of asynchronous ac microgrids connected through dc microgrids. , 2020, , .		0