List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Modeling and analysis approaches for smallâ€signal stability assessment of powerâ€electronicâ€dominated systems. Wiley Interdisciplinary Reviews: Energy and Environment, 2023, 12, .	4.1	2
2	Harmonic Voltage Control in Distributed Generation Systems Using Optimal Switching Vector Strategy. IEEE Systems Journal, 2022, 16, 1861-1872.	4.6	3
3	DC Fault Study of a Point-to-Point HVDC System Integrating Offshore Wind Farm Using High-Temperature Superconductor DC Cables. IEEE Transactions on Energy Conversion, 2022, 37, 377-388.	5.2	9
4	Impedance Modelling and Stability Analysis of Diode-Rectifier based HVDC Connected Offshore Wind Farms. IEEE Transactions on Power Delivery, 2022, 37, 591-602.	4.3	15
5	Real-Time Reactive Power Regulation Capacity Assessment of DFIG Wind Farms. , 2022, , .		2
6	MMC Impedance Modeling and Interaction of Converters in Close Proximity. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7223-7236.	5.4	9
7	Energy-Based Virtual Damping Control of FB-MMCs for HVDC Grid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7320-7328.	5.4	1
8	A Less-Intrusive Approach to Stabilize VSC Transmission Against Highly Variable Grid Strength. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7199-7211.	5.4	3
9	Enhanced Control of Offshore Wind Farms Connected to MTDC Network Using Partially Selective DC Fault Protection. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2926-2935.	5.4	13
10	An Integrated Control and Protection Scheme Based on FBSM-MMC Active Current Limiting Strategy for DC Distribution Network. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2632-2642.	5.4	15
11	A Unidirectional Hybrid HVDC Transmission System Based on Diode Rectifier and Full-Bridge MMC. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6974-6984.	5.4	20
12	A Diode-MMC AC/DC Hub for Connecting Offshore Wind Farm and Offshore Production Platform. Energies, 2021, 14, 3759.	3.1	3
13	Microgrid design using folded P-f droop and new grid interface unit to minimize the need for communication. International Journal of Electrical Power and Energy Systems, 2021, 130, 106949.	5.5	2
14	Credible Reactive Power Regulation Capacity Assessment of DFIG Wind Farms. , 2021, , .		2
15	PN admittance characterisation of grid supporting VSC controllers with negative sequence regulation and inertia emulation. , $2021, , .$		0
16	Control of Offshore MMC During Asymmetric Offshore AC Faults for Wind Power Transmission. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1074-1083.	5.4	34
17	Coordinated Control of Parallel DR-HVDC and MMC-HVDC Systems for Offshore Wind Energy Transmission. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2572-2582.	5.4	52
18	A Novel Method to Determine Droop Coefficients of DC Voltage Control for VSC-MTDC System. IEEE Transactions on Power Delivery, 2020, 35, 2196-2211.	4.3	41

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19	A Hybrid Modular Multilevel Converter With Reduced Full-Bridge Submodules. IEEE Transactions on Power Delivery, 2020, 35, 1876-1885.	4.3	13
20	Hybrid AC/DC hub for integrating onshore wind power and interconnecting onshore and offshore DC networks. IET Renewable Power Generation, 2020, 14, 1738-1745.	3.1	6
21	A Coordinated Frequency Regulation Method for Offshore Wind Farms Integrated by VSC-HVDC. , 2020, , .		1
22	A Wind Farm Frequency Control Method Based on the Frequency Regulation Ability of Wind Turbine Generators. , 2020, , .		2
23	Review of Local Network Impedance Estimation Techniques. IEEE Access, 2020, 8, 213647-213661.	4.2	20
24	Analysis and Control of Offshore Wind Farms Connected With Diode Rectifier-Based HVDC System. IEEE Transactions on Power Delivery, 2020, 35, 2049-2059.	4.3	20
25	Control of VSCâ€HVDC connected wind farms for system frequency support. International Transactions on Electrical Energy Systems, 2020, 30, e12352.	1.9	4
26	Generalised dqâ€dynamic phasor modelling of a STATCOM connected to a grid for stability analysis. IET Power Electronics, 2020, 13, 720-731.	2.1	3
27	Techno-Economic Assessment of Energy Storage Technologies for Inertia Response and Frequency Support from Wind Farms. Energies, 2020, 13, 3421.	3.1	21
28	An Improved Transient Traveling-Wave Based Direction Criterion for Multi-Terminal HVDC Grid. IEEE Transactions on Power Delivery, 2020, 35, 2517-2529.	4.3	35
29	Simulation-based Optimisation of LCC-HVDC Controller Parameters using Surrogate Model Solvers. , 2019, , .		0
30	Study on high voltage ride through control strategy of PMSGâ€based wind turbine generation system with SCESU. Journal of Engineering, 2019, 2019, 4257-4260.	1.1	11
31	Energy Efficient Three-Phase Utility Interactive Residential Microgrid With Mode Transfer Capabilities at Weak Grid Conditions. IEEE Transactions on Industry Applications, 2019, 55, 7082-7091.	4.9	13
32	Parallel operation of diodeâ€rectifier based HVDC link and HVAC link for offshore wind power transmission. Journal of Engineering, 2019, 2019, 4713-4717.	1.1	10
33	Hierarchical control of offshore wind farm connected by parallel diodeâ€rectifierâ€based HVDC and HVAC links. IET Renewable Power Generation, 2019, 13, 1493-1502.	3.1	15
34	Protection and postâ€fault recovery of large HVDC networks using partitioning and fastâ€acting DC breakers at strategic locations. Journal of Engineering, 2019, 2019, 2736-2742.	1,1	3
35	Frequency regulation participation of offshore wind farm integrated by diodeâ€rectifer HVDC system. Journal of Engineering, 2019, 2019, 977-981	1.1	9
36	Hybrid converter topologies for dc transmission systems. IET Power Electronics, 2019, 12, 607-619.	2.1	8

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37	Flexible Virtual Synchronous Generator Control for Distributed Generator with Adaptive Inertia. Electric Power Components and Systems, 2019, 47, 128-140.	1.8	16
38	Interoperability assessment of MMC and DRU connected offshore windfarms in meshed multi-terminal dc grids. , 2019, , .		0
39	A Novel VSG-Based Accurate Voltage Control and Reactive Power Sharing Method for Islanded Microgrids. Sustainability, 2019, 11, 6666.	3.2	6
40	Parameter Value Selection of Wind Turbines Frequency Controller. , 2019, , .		0
41	Offshore AC Fault Protection of Diode Rectifier Unit-Based HVdc System for Wind Energy Transmission. IEEE Transactions on Industrial Electronics, 2019, 66, 5289-5299.	7.9	45
42	Detailed quantitative comparison of halfâ€bridge modular multilevel converter modelling methods. Journal of Engineering, 2019, 2019, 1292-1298.	1.1	13
43	Leaky-Least-Logarithmic-Absolute-Difference-Based Control Algorithm and Learning-Based InC MPPT Technique for Grid-Integrated PV System. IEEE Transactions on Industrial Electronics, 2019, 66, 9003-9012.	7.9	77
44	A Transient Voltage-Based DC Fault Line Protection Scheme for MMC-Based DC Grid Embedding DC Breakers. IEEE Transactions on Power Delivery, 2019, 34, 334-345.	4.3	181
45	Current Error Based Compensations for VSC Current Control in Weak Grids for Wind Farm Applications. IEEE Transactions on Sustainable Energy, 2019, 10, 26-35.	8.8	33
46	Adjustable Inertial Response From the Converter With Adaptive Droop Control in DC Grids. IEEE Transactions on Smart Grid, 2019, 10, 3198-3209.	9.0	54
47	Impact of DC protection strategy of large HVDC network on frequency response of the connected AC system. Journal of Engineering, 2019, 2019, 4031-4035.	1.1	4
48	A Reliable Microgrid With Seamless Transition Between Grid Connected and Islanded Mode for Residential Community With Enhanced Power Quality. IEEE Transactions on Industry Applications, 2018, 54, 5246-5255.	4.9	151
49	A Nearest Level PWM Method for the MMC in DC Distribution Grids. IEEE Transactions on Power Electronics, 2018, 33, 9209-9218.	7.9	80
50	Review of DC fault protection for HVDC grids. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e278.	4.1	15
51	Enhanced Independent Pole Control of Hybrid MMC-HVdc System. IEEE Transactions on Power Delivery, 2018, 33, 861-872.	4.3	73
52	Distributed PLL-Based Control of Offshore Wind Turbines Connected With Diode-Rectifier-Based HVDC Systems. IEEE Transactions on Power Delivery, 2018, 33, 1328-1336.	4.3	81
53	An Alternative Current-Error Based Control for VSC Integration to Weak Grid. , 2018, , .		4
54	Active Control of DC Fault Currents in DC Solid-State Transformers during Ride-Through Operation of Multi-Terminal HVDC Systems. , 2018, , .		0

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55	DC Fault Protection of Diode Rectifier Unit Based HVDC System Connecting Offshore Wind Farms. , 2018, , .		13
56	Enhanced AC voltage and frequency control of offshore MMC station for wind farm connection. IET Renewable Power Generation, 2018, 12, 1771-1777.	3.1	24
57	Enhanced Flat-Topped Modulation for MMC Control in HVDC Transmission Systems. IEEE Transactions on Power Delivery, 2017, 32, 152-161.	4.3	38
58	Active distribution power system with multiâ€ŧerminal DC links. IET Renewable Power Generation, 2017, 11, 27-34.	3.1	8
59	Improved Two-Level Voltage Source Converter for High-Voltage Direct Current Transmission Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1670-1686.	5.4	12
60	DC Fault Detection and Location in Meshed Multiterminal HVDC Systems Based on DC Reactor Voltage Change Rate. IEEE Transactions on Power Delivery, 2017, 32, 1516-1526.	4.3	278
61	Improved use of WT kinetic energy for system frequency support. IET Renewable Power Generation, 2017, 11, 1094-1100.	3.1	22
62	Frequency control capability of wind turbine under different operation status. Journal of Engineering, 2017, 2017, 1533-1538.	1.1	1
63	DC STATCOM in multiâ€ŧerminal DC distribution power system. Journal of Engineering, 2017, 2017, 2017, 2077-2082.	1.1	2
64	Stability norms control using the virtual impedance concept for power frequency applications. , 2017, , .		0
65	Multiâ€ŧasking dc–dc and dc–ac converters for dc voltage tapping and power control in highly meshed multiâ€ŧerminal HVDC networks. IET Power Electronics, 2017, 10, 2217-2228.	2.1	13
66	Enhanced AC voltage and frequency control on offshore MMC station for wind farm. Journal of Engineering, 2017, 2017, 1264-1268.	1.1	14
67	Accelerated switching function model of hybrid MMCs for HVDC system simulation. IET Power Electronics, 2017, 10, 2199-2207.	2.1	20
68	Frequency support using multiâ€ŧerminal HVDC systems based on DC voltage manipulation. IET Renewable Power Generation, 2016, 10, 1393-1401.	3.1	16
69	Submodule configuration of HVDCâ€DC autotransformer considering DC fault. IET Power Electronics, 2016, 9, 2776-2785.	2.1	8
70	Combined deload and kinetic energy control of variable speed wind turbines for frequency support. , 2016, , .		1
71	Protection of large partitioned MTDC Networks Using DC-DC converters and circuit breakers. Protection and Control of Modern Power Systems, 2016, 1, .	7.5	38
72	Adaptive DC Stabilizer with Reduced DC fault Current for Active Distribution Power System Application. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	17

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73	Transient analysis of an interline dynamic voltage restorer using dynamic phasor representation. , 2016, , .		3
74	Hybrid modular multilevel converter based multiâ€ŧerminal DC/DC converter with minimised fullâ€bridge submodules ratio considering DC fault isolation. IET Renewable Power Generation, 2016, 10, 1587-1596.	3.1	14
75	Studies of coordinated zone protection strategy for DC grid. , 2016, , .		1
76	DC fault protection strategy considering DC network partition. , 2016, , .		18
77	Active Control of DC Fault Currents in DC Solid-State Transformers During Ride-Through Operation of Multi-Terminal HVDC Systems. IEEE Transactions on Energy Conversion, 2016, 31, 1336-1346.	5.2	46
78	Analysis and Control of Modular Multilevel Converters under Asymmetric Arm Impedance Conditions. IEEE Transactions on Industrial Electronics, 2016, 63, 71-81.	7.9	47
79	Continuous Operation of Radial Multiterminal HVDC Systems Under DC Fault. IEEE Transactions on Power Delivery, 2016, 31, 351-361.	4.3	138
80	Analysis of voltage source converterâ€based highâ€voltage direct current under DC lineâ€toâ€earth fault. IET Power Electronics, 2015, 8, 428-438.	2.1	41
81	A Hybrid Modular Multilevel Converter With Novel Three-Level Cells for DC Fault Blocking Capability. IEEE Transactions on Power Delivery, 2015, 30, 2017-2026.	4.3	99
82	Control of PMSG-Based Wind Turbines for System Inertial Response and Power Oscillation Damping. IEEE Transactions on Sustainable Energy, 2015, 6, 565-574.	8.8	284
83	Precharging and DC Fault Ride-Through of Hybrid MMC-Based HVDC Systems. IEEE Transactions on Power Delivery, 2015, 30, 1298-1306.	4.3	153
84	Design and Operation of a Hybrid Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2015, 30, 1137-1146.	7.9	368
85	An improved modular multilevel converter with DC fault blocking capability. , 2014, , .		36
86	DC microgrid dynamic performance assessment and enhancement based on virtual impedance method. , 2014, , .		2
87	Improvement of the Hilbert Method via ESPRIT for Detecting Rotor Fault in Induction Motors at Low Slip. IEEE Transactions on Energy Conversion, 2013, 28, 225-233.	5.2	127
88	Wind turbines output power smoothing using embedded energy storage systems. Journal of Modern Power Systems and Clean Energy, 2013, 1, 49-57.	5.4	15
89	Slidingâ€mode control of a wind turbineâ€driven doubleâ€fed induction generator under nonâ€ideal grid voltages. IET Renewable Power Generation, 2013, 7, 370-379.	3.1	84
90	Power oscillation damping using wind turbines with energy storage systems. IET Renewable Power Generation, 2013, 7, 449-457.	3.1	41

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91	Autonomous DC Voltage Control of a DC Microgrid With Multiple Slack Terminals. IEEE Transactions on Power Systems, 2012, 27, 1897-1905.	6.5	251
92	Coordinated DC Voltage Control of Wind Turbine With Embedded Energy Storage System. IEEE Transactions on Energy Conversion, 2012, 27, 1036-1045.	5.2	39
93	An ESPRIT-SAA-Based Detection Method for Broken Rotor Bar Fault in Induction Motors. IEEE Transactions on Energy Conversion, 2012, 27, 654-660.	5.2	41
94	DC network stability and dynamic analysis using virtual impedance method. , 2012, , .		16
95	Reduced Switching-Frequency Modulation and Circulating Current Suppression for Modular Multilevel Converters. IEEE Transactions on Power Delivery, 2011, 26, 2009-2017.	4.3	1,202
96	Wind turbines with energy storage for power smoothing and FRT enhancement. , 2011, , .		11
97	Control and Operation of a DC Microgrid With Variable Generation and Energy Storage. IEEE Transactions on Power Delivery, 2011, 26, 2513-2522.	4.3	510
98	High performance predictive current control of bi-directional DC-DC converters for DC micro grid application. , 2011, , .		6
99	Model-Based Predictive Direct Power Control of Doubly Fed Induction Generators. IEEE Transactions on Power Electronics, 2010, 25, 341-351.	7.9	201
100	Coordinated Control of DFIG and FSIG-Based Wind Farms Under Unbalanced Grid Conditions. IEEE Transactions on Power Delivery, 2010, 25, 367-377.	4.3	82
101	Contribution of VSC-HVDC connected wind farms to grid frequency regulation and power damping. , 2010, , .		12
102	Proportional integral plus multi-frequency resonant current controller for grid-connected voltage source converter under imbalanced and distorted supply voltage conditions. Journal of Zhejiang University: Science A, 2009, 10, 1532-1540.	2.4	24
103	Improved Direct Power Control of Grid-Connected DC/AC Converters. IEEE Transactions on Power Electronics, 2009, 24, 1280-1292.	7.9	177
104	Improved rotor current control of wind turbine driven doubly fed induction generators during network unbalance. , 2009, , .		3
105	Behaviour and protection of doubly-fed induction generators during network faults. , 2009, , .		16
106	DC grid management of a multi-terminal HVDC transmission system for large offshore wind farms. , 2009, , .		39
107	Predictive Current Control of Doubly Fed Induction Generators. IEEE Transactions on Industrial Electronics, 2009, 56, 4143-4153.	7.9	93
108	Dynamic modeling and direct power control of wind turbine driven DFIG under unbalanced network voltage conditions. Journal of Zhejiang University: Science A, 2008, 9, 1731-1740.	2.4	20

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109	Coordinated Control of DFIG's Rotor and Grid Side Converters During Network Unbalance. IEEE Transactions on Power Electronics, 2008, 23, 1041-1049.	7.9	306
110	Control of an LCC HVDC system for connecting large offshore wind farms with special consideration of grid fault. , 2008, , .		37
111	Multi-terminal DC transmission systems for connecting large offshore wind farms. , 2008, , .		104
112	Enhanced Control and Operation of DFIG-Based Wind Farms During Network Unbalance. IEEE Transactions on Energy Conversion, 2008, 23, 1073-1081.	5.2	191
113	Control of DFIG-based wind farms for network unbalance compensation. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	7
114	Improved direct power control of three-phase PWM converters. , 2008, , .		1
115	Improved operation of DFIG and FSIG-based wind farms during network unbalance. , 2008, , .		2
116	Direct Power Control of DFIG With Constant Switching Frequency and Improved Transient Performance. IEEE Transactions on Energy Conversion, 2007, 22, 110-118.	5.2	350
117	Direct Power Control of Grid Connected Voltage Source Converters. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	28
118	Grid Integration of Large DFIG-Based Wind Farms Using VSC Transmission. IEEE Transactions on Power Systems, 2007, 22, 976-984.	6.5	344
119	Control of DFIG-Based Wind Generation Systems under Unbalanced Network Supply. , 2007, , .		25
120	Improved Direct Power Control of Doubly-Fed Induction Generator Based Wind Energy System. , 2007, ,		4
121	Coordinated control and operation of DFIG and FSIG based Wind Farms. , 2007, , .		15
122	VSC Transmission System Using Flying Capacitor Multilevel Converters and Hybrid PWM Control. IEEE Transactions on Power Delivery, 2007, 22, 693-702.	4.3	72
123	Comparison of Using SVC and STATCOM for Wind Farm Integration. , 2006, , .		43
124	Power Electronics Options for Large Wind Farm Integration: VSC-Based HVDC Transmission. , 2006, , .		15
125	Grid connection of large offshore wind farms using HVDC. Wind Energy, 2006, 9, 371-382.	4.2	140
126	Direct Active and Reactive Power Control of DFIG for Wind Energy Generation. IEEE Transactions on Energy Conversion, 2006, 21, 750-758.	5.2	604

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127	VSC Transmission Operating Under Unbalanced AC Conditions—Analysis and Control Design. IEEE Transactions on Power Delivery, 2005, 20, 427-434.	4.3	188
128	HVDC transmission for large offshore wind farms. Power Engineering Journal, 2002, 16, 135-141.	0.1	214