

Li Wang

List of Publications by Year in descending order

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88
papers

3,108
citations

172457
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276875
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88
all docs

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docs citations

88
times ranked

2177
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-Signal Stability Analysis of an Autonomous Hybrid Renewable Energy Power Generation/Energy Storage System Part I: Time-Domain Simulations. IEEE Transactions on Energy Conversion, 2008, 23, 311-320.	5.2	650
2	Combining the Wind Power Generation System With Energy Storage Equipment. IEEE Transactions on Industry Applications, 2009, 45, 2109-2115.	4.9	176
3	Stability Enhancement of DFIG-Based Offshore Wind Farm Fed to a Multi-Machine System Using a STATCOM. IEEE Transactions on Power Systems, 2013, 28, 2882-2889.	6.5	140
4	Application of signal processing techniques for islanding detection of distributed generation in distribution network: A review. Energy Conversion and Management, 2015, 96, 613-624.	9.2	136
5	A Study on Generator Capacity for Wind Turbines Under Various Tower Heights and Rated Wind Speeds Using Weibull Distribution. IEEE Transactions on Energy Conversion, 2008, 23, 592-602.	5.2	133
6	Integration of Wind Power and Wave Power Generation Systems Using a DC Microgrid. IEEE Transactions on Industry Applications, 2015, 51, 2753-2761.	4.9	108
7	A novel analysis on the performance of an isolated self-excited induction generator. IEEE Transactions on Energy Conversion, 1997, 12, 109-117.	5.2	98
8	Dynamic Stability Improvement of an Integrated Grid-Connected Offshore Wind Farm and Marine-Current Farm Using a STATCOM. IEEE Transactions on Power Systems, 2011, 26, 690-698.	6.5	97
9	Dynamic Stability Enhancement and Power Flow Control of a Hybrid Wind and Marine-Current Farm Using SMES. IEEE Transactions on Energy Conversion, 2009, 24, 626-639.	5.2	82
10	Stability Improvement of a Multimachine Power System Connected With a Large-Scale Hybrid Wind-Photovoltaic Farm Using a Supercapacitor. IEEE Transactions on Industry Applications, 2018, 54, 50-60.	4.9	82
11	Reduction of Power Fluctuations of a Large-Scale Grid-Connected Offshore Wind Farm Using a Variable Frequency Transformer. IEEE Transactions on Sustainable Energy, 2011, 2, 226-234.	8.8	73
12	Dynamic Stability Improvement of Four Parallel-Operated PMSG-Based Offshore Wind Turbine Generators Fed to a Power System Using a STATCOM. IEEE Transactions on Power Delivery, 2013, 28, 111-119.	4.3	72
13	Analysis of a novel autonomous marine hybrid power generation/energy storage system with a high-voltage direct current link. Journal of Power Sources, 2008, 185, 1284-1292.	7.8	69
14	Load-Tracking Performance of an Autonomous SOFC-Based Hybrid Power Generation/Energy Storage System. IEEE Transactions on Energy Conversion, 2010, 25, 128-139.	5.2	68
15	Dynamic Stability Analysis of a DFIG-Based Offshore Wind Farm Connected to a Power Grid Through an HVDC Link. IEEE Transactions on Power Systems, 2011, 26, 1501-1510.	6.5	65
16	Stability Enhancement of Large-Scale Integration of Wind, Solar, and Marine-Current Power Generation Fed to an SG-Based Power System Through an LCC-HVDC Link. IEEE Transactions on Sustainable Energy, 2014, 5, 160-170.	8.8	63
17	Power-Flow Control and Stability Enhancement of Four Parallel-Operated Offshore Wind Farms Using a Line-Commutated HVDC Link. IEEE Transactions on Power Delivery, 2010, 25, 1190-1202.	4.3	62
18	Combining the Wind Power Generation System with Energy Storage Equipments. , 2008, , .		61

#	ARTICLE	IF	CITATIONS
19	Uncertainty analysis of an integrated energy system based on information theory. Energy, 2017, 122, 649-662.	8.8	60
20	Stability Analysis of an Integrated Offshore Wind and Seashore Wave Farm Fed to a Power Grid Using a Unified Power Flow Controller. IEEE Transactions on Power Systems, 2013, 28, 2211-2221.	6.5	51
21	Comparative Stability Analysis of Offshore Wind and Marine-Current Farms Feeding Into a Power Grid Using HVDC Links and HVAC Line. IEEE Transactions on Power Delivery, 2013, 28, 2162-2171.	4.3	49
22	Stability Improvement of a Two-Area Power System Connected With an Integrated Onshore and Offshore Wind Farm Using a STATCOM. IEEE Transactions on Industry Applications, 2017, 53, 867-877.	4.9	47
23	Damping subsynchronous resonance using superconducting magnetic energy storage unit. IEEE Transactions on Energy Conversion, 1994, 9, 770-777.	5.2	46
24	Transient performance of an isolated induction generator under unbalanced excitation capacitors. IEEE Transactions on Energy Conversion, 1999, 14, 887-893.	5.2	45
25	Stability Analysis of a Microgrid System With a Hybrid Offshore Wind and Ocean Energy Farm Fed to a Power Grid Through an HVDC Link. IEEE Transactions on Industry Applications, 2018, 54, 2012-2022.	4.9	41
26	Coordination Control of an AC-to-DC Converter and a Switched Excitation Capacitor Bank for an Autonomous Self-Excited Induction Generator in Renewable-Energy Systems. IEEE Transactions on Industry Applications, 2014, 50, 2828-2836.	4.9	40
27	A comparative study of damping schemes on damping generator oscillations. IEEE Transactions on Power Systems, 1993, 8, 613-619.	6.5	38
28	Evaluation of Measured Power Quality Results of a Wind Farm Connected to Taiwan Power System. IEEE Transactions on Industry Applications, 2016, 52, 42-49.	4.9	37
29	Dynamic Stability Analysis of a Tidal Power Generation System Connected to an Onshore Distribution System. IEEE Transactions on Energy Conversion, 2011, 26, 1191-1197.	5.2	36
30	Stability Analysis of a Hybrid Multi-Infeed HVdc System Connected Between Two Offshore Wind Farms and Two Power Grids. IEEE Transactions on Industry Applications, 2017, 53, 1824-1833.	4.9	36
31	Damping of torsional oscillations using excitation control of synchronous generator: the IEEE Second Benchmark Model investigation. IEEE Transactions on Energy Conversion, 1991, 6, 47-54.	5.2	32
32	Analysis of a Commercial Biogas Generation System Using a Gas Engine-Induction Generator Set. IEEE Transactions on Energy Conversion, 2009, 24, 230-239.	5.2	27
33	Analysis of measured power-quality results of a PV system connected to Peng-Hu power system. , 2014, , .		27
34	Dynamic stability analyses of a photovoltaic array connected to a large utility grid. , 0, , .		25
35	A preliminary study on total energy-density variations of a Buddhist temple in Taiwan through long-term field measurements of electric-field strength. , 2014, , .		25
36	Dynamic Analysis of a Grid-Connected Marine-Current Power Generation System Connected to a Distribution System. IEEE Transactions on Power Systems, 2010, 25, 1798-1805.	6.5	18

#	ARTICLE	IF	CITATIONS
37	Reduction of Three-Phase Voltage Unbalance Subject to Special Winding Connections of Two Single-Phase Distribution Transformers of a Microgrid System Using a Designed D-STATCOM Controller. IEEE Transactions on Industry Applications, 2018, 54, 2002-2011.	4.9	16
38	Modal Control Design of Damping Controllers for Thyristor-Controlled Series Capacitor to Stabilize Common-Mode Torsional Oscillations of a Series-Capacitor Compensated Power System. IEEE Transactions on Industry Applications, 2019, 55, 2327-2336.	4.9	15
39	Damping of Subsynchronous Resonance in a Hybrid System With a Steam-Turbine Generator and an Offshore Wind Farm Using a Unified Power-Flow Controller. IEEE Transactions on Industry Applications, 2021, 57, 110-120.	4.9	14
40	Analysis of Measured Harmonic Currents and Voltages Contributed by a Commercial Wind Power System. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	12
41	Effects of Submarine-Cable Types and Parameters on Performance of a Future-Scheduled Offshore Wind Farm Connected to Taiwan Power System. IEEE Transactions on Industry Applications, 2020, 56, 1171-1179.	4.9	12
42	Dynamic and Steady-State Performance of PEM Fuel Cells under Various Loading Conditions. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	11
43	Small-signal stability and transient analysis of an autonomous PV system. , 2008, , .		8
44	Power system stability enhancement with an integrated offshore wind farm and marine-current farm using a STATCOM. , 2012, , .		8
45	Excitation capacitance required for an isolated three-phase induction generator supplying a single-phase load. , 0, , .		7
46	Selection of magnetization curves for accurately simulating a three-phase self-excited induction generator feeding a single-phase load. , 0, , .		7
47	Benefit Analysis of Wind Turbine Generators Using Different Economic-Cost Methods. , 2007, , .		7
48	Analysis of measured flickers contributed by a commercial wind power generation system in Taiwan. , 2008, , .		7
49	Dynamic analysis of a Microgrid system for supplying electrical loads in a sailing boat. , 2012, , .		7
50	A web-based real-time monitoring and control system for laboratory Microgrid systems: Part II — Transient analysis. , 2010, , .		6
51	Stability evaluation of simplified Taiwan Power System connected with a large-scale offshore wind farm. , 2015, , .		5
52	Analyses of unbalanced voltages on startup transients of a three-phase induction motor using EMTP MODELS. , 0, , .		4
53	Performance analysis of a large-scale hybrid offshore wind and marine-current farm connected to a power grid via an HVDC link. , 2010, , .		3
54	Application of a static synchronous series compensator to improve stability of a SG-based power system with an offshore wind farm. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
55	Stability analysis of different offshore wind farms feeding into a large power grid through a hybrid HVDC link. , 2013, , .		3
56	Stability improvement of a two-area power system connected with an integrated onshore and offshore wind farm using a STATCOM. , 2016, , .		3
57	Stability analysis of a hybrid multi-infeed HVDC system connected between two offshore wind farms and two power grids. , 2016, , .		3
58	Special Field Measurement Results of an Onshore Wind Farm Connected to Power Grid of Taiwan Power System Subject to Typhoon Matmo. IEEE Transactions on Industry Applications, 2019, 55, 158-166.	4.9	3
59	Online Estimation of Plant Participation Factors for Automatic Generation Control in Power Systems With Variable Energy Resources. IEEE Transactions on Industry Applications, 2022, 58, 4401-4410.	4.9	3
60	Steady-state performance and dynamic stability of a self-excited induction generator feeding an induction motor. , 0, , .		2
61	Steady-state performance of a self-excited reluctance generator under unbalanced excitation capacitors. , 0, , .		2
62	Control of autonomous solid oxide fuel cells subject to sudden load variations. , 2008, , .		2
63	Dynamic stability enhancement of a single-machine infinite-bus system using a series vectorial compensator. , 2013, , .		2
64	Stability improvement of an integrated offshore wind farm and seashore wave farm fed to a power grid using an HVDC link. , 2014, , .		2
65	Evaluation of measured power-quality results of a wind farm connected to Taiwan power system. , 2014, , .		2
66	Application of Hybrid Mixing CDMA/IDMA/OCDMA/OIDMA for Smart Grid Integration of Renewable-Energy Resources. , 2016, , .		2
67	Design of Three Single-phase Power-Factor-Correction Boost Converters Joined with a Controllable Single-phase Inverter for a Self-excited Induction Generator. , 2019, , .		2
68	Long-shunt and short-shunt connections on steady-state performance of a self-excited parametric generator. , 0, , .		1
69	Steady-state characteristics of a self-excited series connected synchronous generator under unbalanced excitation capacitors. , 0, , .		1
70	Sudden disconnection of an excitation capacitor on transient performance of a self-excited series connected synchronous generator. , 0, , .		1
71	Stability analyses of step changed loads on a multimachine power system. , 0, , .		1
72	Dynamic analysis of a self-excited series connected synchronous generator feeding an induction motor load. , 0, , .		1

#	ARTICLE	IF	CITATIONS
73	Energy saving of a prototype fishing boat using a small wind turbine generator: Practical installation and measured results. , 2009, , .		1
74	Coordination control of an AC-to-DC converter and a switched excitation capacitor bank for an autonomous self-excited induction generators in renewable-energy systems. , 2013, , .		1
75	Estimating Accuracy of Experimentally Obtained Power System Zip Load Models. MATEC Web of Conferences, 2017, 91, 01047.	0.2	1
76	Damping of Subsynchronous Resonance in a Hybrid System with a Steam-Turbine Generator and an Offshore Wind Farm Using a Unified Power-Flow Controller. , 2019, , .		1
77	Small-Signal Stability Analysis of a Vanadium Redox Flow Battery-based Energy-Storage System. , 2021, , .		1
78	Enabling customer demand and budget management in the real-time pricing environment. , 2009, , .		0
79	Installation of a 400-W wind turbine generator on a commercial fishing boat to achieve energy saving. , 2010, , .		0
80	Evaluation of measured power-quality results of Jang-Bin wind farm. , 2013, , .		0
81	Notice of Removal Stability analysis of a grid-connected tidal power- generation system. , 2016, , .		0
82	Notice of Removal Comparative stability analysis of a DFIG-based offshore wind farm fed to a multi-machine power system through an LCC-HVDC link and an HVAC line. , 2016, , .		0
83	Stability and power-flow control of a multi-machine power system connected with a hybrid offshore wind farm using a unified power-flow controller. , 2016, , .		0
84	Effects of Submarine-Cable Types on Performance of a Future-Scheduled Offshore Wind Farm Connected to Taiwan Power System. , 2019, , .		0
85	Small-Signal Stability Analysis of a Grid-Connected Wind-Turbine Generator Based on Dynamic-Slip Induction Generator. , 2021, , .		0
86	Damping Improvement of a Large-scale Offshore Wind Farm Fed to a Multimachine Power System Using a Generalized Unified Power-Flow Controller. , 2021, , .		0
87	Evaluation of Summation Results of Injected Third-Order Harmonic Currents Produced by Micro Hydro Generators with Power-Electronics Converters Using a Probabilistic Approach. , 2021, , .		0
88	Stability Improvement of a DC Microgrid Fed to a Multimachine Power System Using a STATCOM. , 2021, , .		0