

Sajjad Tohidi

List of Publications by Year in descending order

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57
papers

1,299
citations

471061

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360668

35
g-index

57
all docs

57
docs citations

57
times ranked

1218
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Stochastic Design of Wind Integrated Energy Hub. IEEE Transactions on Industrial Informatics, 2017, 13, 2379-2388.	7.2	155
2	A comprehensive review of low voltage ride through of doubly fed induction wind generators. Renewable and Sustainable Energy Reviews, 2016, 57, 412-419.	8.2	110
3	Energy management in hybrid microgrid with considering multiple power market and real time demand response. Energy, 2019, 174, 10-23.	4.5	96
4	Analysis and Enhancement of Low-Voltage Ride-Through Capability of Brushless Doubly Fed Induction Generator. IEEE Transactions on Industrial Electronics, 2013, 60, 1146-1155.	5.2	87
5	Reconfigurable Multilevel Inverter With Fault-Tolerant Ability. IEEE Transactions on Power Electronics, 2018, 33, 7880-7893.	5.4	81
6	Different aspects of microgrid management: A comprehensive review. Journal of Energy Storage, 2020, 30, 101457.	3.9	76
7	Design and analysis of a novel SEPIC-based multi-input DC/DC converter. IET Power Electronics, 2017, 10, 1393-1402.	1.5	74
8	Low voltage ride-through of DFIG and brushless DFIG: Similarities and differences. Electric Power Systems Research, 2014, 110, 64-72.	2.1	60
9	Analysis and simplified modelling of brushless doubly-fed induction machine in synchronous mode of operation. IET Electric Power Applications, 2016, 10, 110-116.	1.1	47
10	Appropriate crowbar protection for improvement of brushless DFIG LVRT during asymmetrical voltage dips. International Journal of Electrical Power and Energy Systems, 2018, 95, 1-10.	3.3	42
11	Decentralized optimal multi-area generation scheduling considering renewable resources mix and dynamic tie line rating. Journal of Cleaner Production, 2019, 223, 883-896.	4.6	40
12	Symmetrical and asymmetrical low-voltage ride through of doubly-fed induction generator wind turbines using gate controlled series capacitor. IET Renewable Power Generation, 2015, 9, 840-846.	1.7	34
13	Analysis and Reliability Evaluation of a High Step-Up Soft Switching Push-Pull DC-DC Converter. IEEE Transactions on Reliability, 2020, 69, 1376-1386.	3.5	33
14	Performance of the brushless doubly-fed machine under normal and fault conditions. IET Electric Power Applications, 2012, 6, 621.	1.1	26
15	Dynamic Line Rating Forecasting Based on Integrated Factorized Ornstein-Uhlenbeck Processes. IEEE Transactions on Power Delivery, 2020, 35, 851-860.	2.9	24
16	Increasing resiliency against information vulnerability of renewable resources in the operation of smart multi-area microgrid. Energy, 2021, 220, 119776.	4.5	23
17	Energy management strategy for a short-route hybrid cruise ship: an IGD-based approach. IET Renewable Power Generation, 2020, 14, 1755-1763.	1.7	18
18	An improved nonlinear model predictive direct speed control of permanent magnet synchronous motors. International Transactions on Electrical Energy Systems, 2018, 28, e2535.	1.2	17

#	ARTICLE	IF	CITATIONS
19	A Data Clustering Based Probabilistic Power Flow Method for AC/VSC-MTDC. IEEE Systems Journal, 2019, 13, 4324-4334.	2.9	15
20	Exact approach for charging of PEVs with V2G capability to improve microgrid reliability. IET Generation, Transmission and Distribution, 2019, 13, 3690-3695.	1.4	15
21	Design for independent and self-adequate microgrids in distribution systems considering optimal allocation of DG units. IET Generation, Transmission and Distribution, 2020, 14, 728-734.	1.4	14
22	Designing Transactive Market for Combined Heat and Power Management in Energy Hubs. IEEE Access, 2021, 9, 31411-31419.	2.6	12
23	Reliability comparison of different power electronic converters for grid-connected PMSG wind turbines. International Transactions on Electrical Energy Systems, 2017, 27, e2359.	1.2	11
24	An analytical study for low voltage ride through of the brushless doubly-fed induction generator during asymmetrical voltage dips. Renewable Energy, 2018, 115, 64-75.	4.3	10
25	Probabilistic Real-Time Dynamic Line Rating Forecasting Based on Dynamic Stochastic General Equilibrium With Stochastic Volatility. IEEE Transactions on Power Delivery, 2021, 36, 1631-1639.	2.9	10
26	Influence of Different Series Dynamic Resistors on Low-voltage Ride-through of Brushless Doubly Fed Induction Generator. Electric Power Components and Systems, 2015, 43, 995-1005.	1.0	9
27	A control scheme to enhance low voltage ride-through of brushless doubly-fed induction generators. Wind Energy, 2016, 19, 1699-1712.	1.9	9
28	Influence of PMSG-based wind turbine on transient stability of synchronous generators-a comparative study. International Transactions on Electrical Energy Systems, 2018, 28, e2639.	1.2	9
29	Integrated transmission expansion and PMU planning considering dynamic thermal rating in uncertain environment. IET Generation, Transmission and Distribution, 2020, 14, 1973-1984.	1.4	9
30	A Comprehensive Review on Brushless Doubly-Fed Reluctance Machine. Sustainability, 2021, 13, 842.	1.6	9
31	Steady-state analysis and performance of a brushless doubly fed machine accounting for core loss. IET Electric Power Applications, 2013, 7, 170-178.	1.1	8
32	Designing a Transactive Framework for Future Distribution Systems. IEEE Systems Journal, 2021, 15, 4221-4229.	2.9	8
33	Enhancing information security of renewable smart grids by utilizing an integrated online-offline framework. International Journal of Electrical Power and Energy Systems, 2022, 138, 107954.	3.3	8
34	Dynamic modeling of a wind turbine with brushless doubly fed induction generator. , 2012, , .		7
35	Probabilistic Available Transfer Capability Evaluation Considering Dynamic Line Rating Based on a Sequential Game-Theoretic Approach. IEEE Systems Journal, 2022, 16, 891-901.	2.9	7
36	Interval-stochastic optimisation for transactive energy management in energy hubs. IET Renewable Power Generation, 2020, 14, 3762-3769.	1.7	7

#	ARTICLE	IF	CITATIONS
37	Determining the size and location of variable speed wind turbines for reducing power losses and improving voltage profile. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .	0.8	7
38	Design of a sensorless controller for PMSM using Krill Herd algorithm. , 2015, , .		6
39	ESS equipped DFIG wind farm with coordinated power control under grid fault conditions. <i>Journal of Power Electronics</i> , 2021, 21, 173-183.	0.9	6
40	Enhancement of LVRT Capability of DFIG-based Wind Turbines by Superconducting Fault Current Limiter. , 2018, , .		5
41	Scheduling of Air Conditioning and Thermal Energy Storage Systems Considering Demand Response Programs. <i>Sustainability</i> , 2020, 12, 7311.	1.6	5
42	Design and Analysis of an Isolated Single-Stage Resonant AC-DC Converter with PFC. , 2021, , .		5
43	Robust Control of a PMSG-Based Wind Turbine Generator Using Lyapunov Function. <i>Energies</i> , 2021, 14, 1712.	1.6	5
44	Enhancing security and observability of distribution systems with optimal placement of $\frac{1}{4}$ PMUs and firewalls. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 135, 107601.	3.3	5
45	Thermal analysis of non-isolated conventional PWM-based DC-DC converters with reliability consideration. <i>IET Power Electronics</i> , 2021, 14, 337-351.	1.5	5
46	An Isolated SRC-Based Single Phase Single Stage Battery Charger for Electric Vehicles. <i>IEEE Transactions on Transportation Electrification</i> , 2023, 9, 1252-1262.	5.3	5
47	Influence of model simplifications and parameters on dynamic performance of grid connected fixed speed wind turbines. , 2010, , .		4
48	Two-Stage Single-Source Full-Bridge Based Three- Phase Inverter for Medium Voltage Applications. , 2020, , .		4
49	Discussion on "A Genetic Algorithm-Based Low Voltage Ride-Through Control Strategy for Grid Connected Doubly Fed Induction Wind Generators". <i>IEEE Transactions on Power Systems</i> , 2015, 30, 548-548.	4.6	3
50	Probabilistic Small Signal Stability Evaluation of Power Systems with High Penetration of Wind Farms. <i>Computers and Electrical Engineering</i> , 2020, 85, 106683.	3.0	3
51	Stochastic multi-objective expansion of renewable resources in distribution systems incorporating responsive loads towards achieving zero energy structure. <i>International Journal of Energy Research</i> , 2022, 46, 9667-9683.	2.2	3
52	An improved long-horizon model predictive control for DFIG in WECS with variable sampling time. <i>IET Renewable Power Generation</i> , 2022, 16, 517-531.	1.7	3
53	Nonlinear model predictive control of permanent magnet linear synchronous motor. , 2017, , .		2
54	Novel sliding mode controller for power control of a doubly fed induction generator in variable speed wind turbine. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
55	Model predictive control by combining vectors for surface and interior permanent magnet synchronous motor. International Transactions on Electrical Energy Systems, 2021, 31, e12959.	1.2	1
56	Improved design of axial flux permanent magnet generator for small-scale wind turbine. Turkish Journal of Electrical Engineering and Computer Sciences, 2018, 26, 3085-3100.	0.9	1
57	Optimal Microgrid Construction in a Distribution System Considering Voltage Stability. , 2020, , .		0