

# Sajjad Tohidi

## List of Publications by Year in descending order

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57  
papers

1,299  
citations

471061

17  
h-index

360668

35  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1218  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Isolated SRC-Based Single Phase Single Stage Battery Charger for Electric Vehicles. IEEE Transactions on Transportation Electrification, 2023, 9, 1252-1262.	5.3	5
2	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
3	Enhancing security and observability of distribution systems with optimal placement of PMUs and firewalls. International Journal of Electrical Power and Energy Systems, 2022, 135, 107601.	3.3	5
4	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
5	Stochastic multi-objective expansion of renewable resources in distribution systems incorporating responsive loads towards achieving zero energy structure. International Journal of Energy Research, 2022, 46, 9667-9683.	2.2	3
6	An improved long-horizon model predictive control for DFIG in WECS with variable sampling time. IET Renewable Power Generation, 2022, 16, 517-531.	1.7	3
7	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
8	ESS equipped DFIG wind farm with coordinated power control under grid fault conditions. Journal of Power Electronics, 2021, 21, 173-183.	0.9	6
9	Designing a Transactive Framework for Future Distribution Systems. IEEE Systems Journal, 2021, 15, 4221-4229.	2.9	8
10	A Comprehensive Review on Brushless Doubly-Fed Reluctance Machine. Sustainability, 2021, 13, 842.	1.6	9
11	Design and Analysis of an Isolated Single-Stage Resonant AC-DC Converter with PFC. , 2021, , .		5
12	Robust Control of a PMSG-Based Wind Turbine Generator Using Lyapunov Function. Energies, 2021, 14, 1712.	1.6	5
13	Increasing resiliency against information vulnerability of renewable resources in the operation of smart multi-area microgrid. Energy, 2021, 220, 119776.	4.5	23
14	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
15	Designing Transactive Market for Combined Heat and Power Management in Energy Hubs. IEEE Access, 2021, 9, 31411-31419.	2.6	12
16	Thermal analysis of non-isolated conventional PWM-based DC-DC converters with reliability consideration. IET Power Electronics, 2021, 14, 337-351.	1.5	5
17	Dynamic Line Rating Forecasting Based on Integrated Factorized Ornstein-Uhlenbeck Processes. IEEE Transactions on Power Delivery, 2020, 35, 851-860.	2.9	24
18	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

#	ARTICLE	IF	CITATIONS
19	Scheduling of Air Conditioning and Thermal Energy Storage Systems Considering Demand Response Programs. Sustainability, 2020, 12, 7311.	1.6	5
20	Energy management strategy for a shortâ€route hybrid cruise ship: an IGDâ€based approach. IET Renewable Power Generation, 2020, 14, 1755-1763.	1.7	18
21	Probabilistic Small Signal Stability Evaluation of Power Systems with High Penetration of Wind Farms. Computers and Electrical Engineering, 2020, 85, 106683.	3.0	3
22	Different aspects of microgrid management: A comprehensive review. Journal of Energy Storage, 2020, 30, 101457.	3.9	76
23	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
24	Design for independent and selfâ€adequate microgrids in distribution systems considering optimal allocation of DG units. IET Generation, Transmission and Distribution, 2020, 14, 728-734.	1.4	14
25	Optimal Microgrid Construction in a Distribution System Considering Voltage Stability. , 2020, , .		0
26	Intervalâ€stochastic optimisation for transactive energy management in energy hubs. IET Renewable Power Generation, 2020, 14, 3762-3769.	1.7	7
27	Determining the size and location of variable speed wind turbines for reducing power losses and improving voltage profile. Journal of Renewable and Sustainable Energy, 2020, 12, .	0.8	7
28	Two-Stage Single-Source Full-Bridge Based Three- Phase Inverter for Medium Voltage Applications. , 2020, , .		4
29	A Data Clustering Based Probabilistic Power Flow Method for AC/VSC-MTDC. IEEE Systems Journal, 2019, 13, 4324-4334.	2.9	15
30	Exact approach for charging of PEVs with V2G capability to improve microâ€grid reliability. IET Generation, Transmission and Distribution, 2019, 13, 3690-3695.	1.4	15
31	Energy management in hybrid microgrid with considering multiple power market and real time demand response. Energy, 2019, 174, 10-23.	4.5	96
32	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
33	Novel sliding mode controller for power control of a doubly fed induction generator in variable speed wind turbine. , 2019, , .		1
34	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
35	Reconfigurable Multilevel Inverter With Fault-Tolerant Ability. IEEE Transactions on Power Electronics, 2018, 33, 7880-7893.	5.4	81
36	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

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37	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
38	Enhancement of LVRT Capability of DFIG-based Wind Turbines by Superconducting Fault Current Limiter. , 2018, , .		5
39	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
40	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
41	Optimal Stochastic Design of Wind Integrated Energy Hub. IEEE Transactions on Industrial Informatics, 2017, 13, 2379-2388.	7.2	155
42	Nonlinear model predictive control of permanent magnet linear synchronous motor. , 2017, , .		2
43	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
44	Design and analysis of a novel SEPIC-based multi-input DC/DC converter. IET Power Electronics, 2017, 10, 1393-1402.	1.5	74
45	A control scheme to enhance low voltage ride-through of brushless doubly-fed induction generators. Wind Energy, 2016, 19, 1699-1712.	1.9	9
46	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
47	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
48	Design of a sensorless controller for PMSM using Krill Herd algorithm. , 2015, , .		6
49	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
50	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
51	Discussion on "A Genetic Algorithm-Based Low Voltage Ride-Through Control Strategy for Grid Connected Doubly Fed Induction Wind Generators". IEEE Transactions on Power Systems, 2015, 30, 548-548.	4.6	3
52	Low voltage ride-through of DFIG and brushless DFIG: Similarities and differences. Electric Power Systems Research, 2014, 110, 64-72.	2.1	60
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Dynamic modeling of a wind turbine with brushless doubly fed induction generator. , 2012, , .		7
56	Performance of the brushless doubly-fed machine under normal and fault conditions. IET Electric Power Applications, 2012, 6, 621.	1.1	26
57	Influence of model simplifications and parameters on dynamic performance of grid connected fixed speed wind turbines. , 2010, , .		4