Amin Mohammadpour Shotorbani

List of Publications by Year
in descending order

48	618	516561	642610
papers	citations	16	23
		h-index	g-index

49	49	49	600
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Combined Hierarchical and Autonomous DC Grid Control for Proportional Power Sharing With Minimized Voltage Variation and Transmission Loss. IEEE Transactions on Power Delivery, 2022, 37, 3213-3224.	2.9	5
2	Risk-averse scheduling of virtual power plants considering electric vehicles and demand response. , 2022, , 227-256.		5
3	Partial Two-Stage Four-level Inverter for Grid-tied PV Application. , 2022, , .		1
4	Community-level decentralized energy system planning under uncertainty: A comparison of mathematical models for strategy development. Applied Energy, 2021, 283, 116304.	5.1	15
5	Minimization of AC-DC Grid Transmission Loss and DC Voltage Deviation Using Adaptive Droop Control and Improved AC-DC Power Flow Algorithm. IEEE Transactions on Power Systems, 2021, 36, 744-756.	4.6	24
6	A data-driven model for fire safety strategies assessment using artificial neural networks and genetic algorithms. , 2021, , 75-92.		1
7	Enhanced PI control and adaptive gain tuning schemes for distributed secondary control of an islanded microgrid. IET Renewable Power Generation, 2021, 15, 854-864.	1.7	10
8	Distributed Secondary Control of a Microgrid With A Generalized PI Finite-Time Controller. IEEE Open Access Journal of Power and Energy, 2021, 8, 57-67.	2.5	19
9	A Novel Boost Fifteen-Level Asymmetrical Flying-Capacitor Inverter with Natural Balancing of Capacitor Voltages. , 2021, , .		4
10	Robust Control of a PMSG-Based Wind Turbine Generator Using Lyapunov Function. Energies, 2021, 14, 1712.	1.6	5
11	Switched Capacitor Based Cascaded Half-Bridge Multilevel Inverter With Voltage Boosting Feature. CPSS Transactions on Power Electronics and Applications, 2021, 6, 63-73.	2.9	30
12	Cost/comfort-oriented clustering-based extended time of use pricing. Sustainable Cities and Society, 2021, 66, 102673.	5.1	7
13	An adaptive real‐time energy management system for a renewable energy‐based microgrid. IET Renewable Power Generation, 2021, 15, 2918-2930.	1.7	8
14	Mobile energy hub planning for complex urban networks: A robust optimization approach. Energy, 2021, 235, 121424.	4.5	15
15	Risk-averse maintenance scheduling of generation units in combined heat and power systems with demand response. Reliability Engineering and System Safety, 2021, 216, 107960.	5.1	13
16	Enhanced real-time scheduling algorithm for energy management in a renewable-integrated microgrid. Applied Energy, 2021, 304, 117658.	5.1	10
17	Influence of Socio-Cultural Attributes on Stigmatizing Public Transport in Saudi Arabia. Sustainability, 2021, 13, 12075.	1.6	5
18	Residential Load Disaggregation Considering State Transitions. IEEE Transactions on Industrial Informatics, 2020, 16, 743-753.	7.2	30

#	Article	IF	Citations
19	Asymmetric Cascaded Multilevel Inverter with Capacitor-based Half-bridge Cells and Reduced Number of Components. , 2020, , .		0
20	A New Structure for a Hybrid Multilevel Inverter based on Transformer and Switched-Capacitance. , 2020, , .		0
21	Realâ€time energy management in a microgrid with renewable generation, energy storages, flexible loads and combined heat and power units using Lyapunov optimisation. IET Renewable Power Generation, 2020, 14, 526-538.	1.7	22
22	Residential Household Non-Intrusive Load Monitoring via Smart Event-based Optimization. IEEE Transactions on Consumer Electronics, 2020, 66, 233-241.	3.0	38
23	Distributed Voltage Regulation and Automatic Power Sharing in Multi-Terminal HVDC Grids. IEEE Transactions on Power Systems, 2020, 35, 3739-3752.	4.6	26
24	Real-time Energy Management of Grid-connected Microgrid with Flexible and Delay-tolerant Loads. Journal of Modern Power Systems and Clean Energy, 2020, 8, 1196-1207.	3.3	6
25	Robust operation of microgrid energy system under uncertainties and demand response program. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 17, 1005.	0.7	1
26	Two-Stage Single-Source Full-Bridge Based Three- Phase Inverter for Medium Voltage Applications. , 2020, , .		4
27	A New Coupled Inductor-Based High Step-Up DC-DC Converter for PV Applications. , 2019, , .		8
28	A DC-DC Converter-Based Single-Source Transformer-less Multilevel Inverter. , 2019, , .		2
29	Generation maintenance scheduling in virtual power plants. IET Generation, Transmission and Distribution, 2019, 13, 2584-2596.	1.4	30
30	Measurement-based Network Model Reduction Of Distribution Systems Using Two-port Networks. , 2019, , .		1
31	A Two-Stage Coupled-Inductor-Based Cascaded DC-DC Converter with a High Voltage Gain. , 2019, , .		18
32	Risk-based stochastic short-term maintenance scheduling of GenCos in an oligopolistic electricity market considering the long-term plan. Electric Power Systems Research, 2019, 175, 105908.	2.1	14
33	Secondary Control of a Multi-Terminal HVDC Grid Using a Consensus-Based Distributed Scheme. , 2019, , .		2
34	Novel sliding mode controller for power control of a doubly fed induction generator in variable speed wind turbine. , 2019, , .		1
35	Application of finite-time control Lyapunov function in low-power PMSG wind energy conversion systems for sensorless MPPT. International Journal of Electrical Power and Energy Systems, 2019, 106, 169-182.	3.3	29
36	Wind Speed Clustering Using Linkage-Ward Method: A Case Study of Khaaf, Iran. Gazi University Journal of Science, 2019, 32, 945-954.	0.6	9

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37	A Decentralized Multiloop Scheme for Robust Control of a Power Flow Controller With Two Shunt Modular Multilevel Converters. IEEE Transactions on Industrial Informatics, 2018, 14, 4309-4321.	7.2	13
38	Wide-Area Measurement, Monitoring and Control: PMU-Based Distributed Wide-Area Damping Control Design Based on Heuristic Optimisation Using DIgSILENT PowerFactory. Green Energy and Technology, 2018, , 211-240.	0.4	2
39	Cascaded Half-Bridge Multilevel Inverter with Reduced Number of Power Switches. , 2018, , .		2
40	Distributed secondary control of battery energy storage systems in a stand–alone microgrid. IET Generation, Transmission and Distribution, 2018, 12, 3944-3953.	1.4	20
41	A distributed non-Lipschitz control framework for self-organizing microgrids with uncooperative and renewable generations. International Journal of Electrical Power and Energy Systems, 2017, 90, 267-279.	3.3	16
42	A distributed secondary scheme with terminal sliding mode controller for energy storages in an islanded microgrid. International Journal of Electrical Power and Energy Systems, 2017, 93, 352-364.	3.3	42
43	Robust nonlinear controller based on control Lyapunov function and terminal sliding mode for buck converter. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2016, 29, 1055-1069.	1.2	17
44	Robust terminal sliding mode power flow controller using unified power flow controller with adaptive observer and local measurement. IET Generation, Transmission and Distribution, 2014, 8, 1712-1723.	1.4	39
45	Direct Lyapunov theory–based method for power oscillation damping by robust finite–time control of unified power flow controller. IET Generation, Transmission and Distribution, 2013, 7, 691-699.	1.4	20
46	Application of the direct Lyapunov method for robust finite-time power flow control with a unified power flow controller. IET Generation, Transmission and Distribution, 2012, 6, 822.	1.4	22
47	Estimation of Image Corruption Inverse Function and Image Restoration using a PSObased Algorithm. International Journal of Computer Applications, 2011, 13, 30-35.	0.2	3
48	An Adaptive Particle Swarm Optimization Applied to Optimum Controller Design for AVR Power Systems. International Journal of Computer Applications, 2010, 11, 22-29.	0.2	3