Amin Mohammadpour Shotorbani

List of Publications by Year
in descending order

48 papers	618 citations	516215 16 h-index	642321 23 g-index
49 all docs	49 docs citations	49 times ranked	600 citing authors

#	Article	IF	Citations
1	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
2	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
3	Residential Household Non-Intrusive Load Monitoring via Smart Event-based Optimization. IEEE Transactions on Consumer Electronics, 2020, 66, 233-241.	3.0	38
4	Generation maintenance scheduling in virtual power plants. IET Generation, Transmission and Distribution, 2019, 13, 2584-2596.	1.4	30
5	Residential Load Disaggregation Considering State Transitions. IEEE Transactions on Industrial Informatics, 2020, 16, 743-753.	7.2	30
6	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
7	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
8	Distributed Voltage Regulation and Automatic Power Sharing in Multi-Terminal HVDC Grids. IEEE Transactions on Power Systems, 2020, 35, 3739-3752.	4.6	26
9	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
10	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
11	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
12	Direct Lyapunov theoryâ€based method for power oscillation damping by robust finiteâ€time control of unified power flow controller. IET Generation, Transmission and Distribution, 2013, 7, 691-699.	1.4	20
13	Distributed secondary control of battery energy storage systems in a standâ€alone microgrid. IET Generation, Transmission and Distribution, 2018, 12, 3944-3953.	1.4	20
14	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
15	A Two-Stage Coupled-Inductor-Based Cascaded DC-DC Converter with a High Voltage Gain. , 2019, , .		18
16	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
17	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
18	Community-level decentralized energy system planning under uncertainty: A comparison of mathematical models for strategy development. Applied Energy, 2021, 283, 116304.	5.1	15

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19	Mobile energy hub planning for complex urban networks: A robust optimization approach. Energy, 2021, 235, 121424.	4.5	15
20	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
21	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
22	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
23	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
24	Enhanced real-time scheduling algorithm for energy management in a renewable-integrated microgrid. Applied Energy, 2021, 304, 117658.	5.1	10
25	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
26	A New Coupled Inductor-Based High Step-Up DC-DC Converter for PV Applications. , 2019, , .		8
27	An adaptive realâ€time energy management system for a renewable energyâ€based microgrid. IET Renewable Power Generation, 2021, 15, 2918-2930.	1.7	8
28	Cost/comfort-oriented clustering-based extended time of use pricing. Sustainable Cities and Society, 2021, 66, 102673.	5.1	7
29	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
30	Robust Control of a PMSG-Based Wind Turbine Generator Using Lyapunov Function. Energies, 2021, 14, 1712.	1.6	5
31	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
32	Influence of Socio-Cultural Attributes on Stigmatizing Public Transport in Saudi Arabia. Sustainability, 2021, 13, 12075.	1.6	5
33	Risk-averse scheduling of virtual power plants considering electric vehicles and demand response. , 2022, , 227-256.		5
34	A Novel Boost Fifteen-Level Asymmetrical Flying-Capacitor Inverter with Natural Balancing of Capacitor Voltages. , 2021, , .		4
35	Two-Stage Single-Source Full-Bridge Based Three- Phase Inverter for Medium Voltage Applications. , 2020, , .		4
36	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

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37	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
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	A DC-DC Converter-Based Single-Source Transformer-less Multilevel Inverter. , 2019, , .		2
41	Secondary Control of a Multi-Terminal HVDC Grid Using a Consensus-Based Distributed Scheme. , 2019, , .		2
42	Measurement-based Network Model Reduction Of Distribution Systems Using Two-port Networks. , 2019, , .		1
43	Novel sliding mode controller for power control of a doubly fed induction generator in variable speed wind turbine. , 2019, , .		1
44	A data-driven model for fire safety strategies assessment using artificial neural networks and genetic algorithms. , 2021, , 75-92.		1
45	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
46	Partial Two-Stage Four-level Inverter for Grid-tied PV Application. , 2022, , .		1
47	Asymmetric Cascaded Multilevel Inverter with Capacitor-based Half-bridge Cells and Reduced Number of Components. , 2020, , .		0
48	A New Structure for a Hybrid Multilevel Inverter based on Transformer and Switched-Capacitance. , 2020, , .		0