Masoud Babaei

List of Publications by Year
in descending order

13 papers	268 citations	1039406 9 h-index	1281420 11 g-index
13 all docs	13 docs citations	13 times ranked	219 citing authors

#	Article	IF	Citations
1	Data-Driven load management of stand-alone residential buildings including renewable resources, energy storage system, and electric vehicle. Journal of Energy Storage, 2020, 28, 101221.	3.9	54
2	Day-Ahead Optimization of Prosumer Considering Battery Depreciation and Weather Prediction for Renewable Energy Sources. Applied Sciences (Switzerland), 2020, 10, 2774.	1.3	33
3	A Comparative Study between Traditional Backup Generator Systems and Renewable Energy Based Microgrids for Power Resilience Enhancement of a Local Clinic. Electronics (Switzerland), 2019, 8, 1485.	1.8	31
4	Techno–economic comparative study of hybrid microgrids in eight climate zones of Iran. Energy Science and Engineering, 2020, 8, 3004-3026.	1.9	31
5	A data-mining based optimal demand response program for smart home with energy storages and electric vehicles. Journal of Energy Storage, 2021, 36, 102407.	3.9	25
6	Coordination between Demand Response Programming and Learning-Based FOPID Controller for Alleviation of Frequency Excursion of Hybrid Microgrid. Energies, 2020, 13, 442.	1.6	23
7	High penetrated renewable energy sources–based AOMPC for microgrid's frequency regulation during weather changes, time–varying parameters and generation unit collapse. IET Generation, Transmission and Distribution, 2020, 14, 5164-5182.	1.4	23
8	Learning adaptive fuzzy droop of PV contribution to frequency excursion of hybrid micro-grid during parameters uncertainties. International Journal of Electrical Power and Energy Systems, 2020, 123, 106305.	3.3	20
9	A reliable and cost-effective planning framework of rural area hybrid system considering intelligent weather forecasting. Energy Reports, 2021, 7, 5647-5666.	2.5	12
10	Demand Side Management of a Stand-alone Hybrid Power Grid by Using Fuzzy Type-2 Logic Control. , 2018, , .		7
11	Control of Main Steam Pressure in Coal-Fired Power Plant Boilers by Fractional-Order Controller with Smith Predictor Structure for Delay Compensation. IETE Journal of Research, 2023, 69, 4551-4565.	1.8	5
12	A Novel Exergy-Based Optimization Approach in Model Predictive Control for Energy-Saving Assessment. Journal of Control, Automation and Electrical Systems, 2020, 31, 1481-1488.	1.2	2
13	Application of artificial intelligence in modeling, control, and fault diagnosis. , 2021, , 255-323.		2