Ahmet Onen

List of Publications by Year in descending order

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Version: 2024-02-01

45 papers	1,085 citations	567144 15 h-index	414303 32 g-index
45 all docs	45 docs citations	45 times ranked	1226 citing authors

#	Article	IF	Citations
1	Enhancing smart grid with microgrids: Challenges and opportunities. Renewable and Sustainable Energy Reviews, 2017, 72, 205-214.	8.2	343
2	Transformation of microgrid to virtual power plant â€“ a comprehensive review. IET Generation, Transmission and Distribution, 2019, 13, 1994-2005.	1.4	97
3	Economic optimal operation of Community Energy Storage systems in competitive energy markets. Applied Energy, 2014, 135, 71-80.	5.1	95
4	Peer-to-Peer Energy Trading in Virtual Power Plant Based on Blockchain Smart Contracts. IEEE Access, 2020, 8, 175713-175726.	2.6	87
5	Rooftop Solar PV Penetration Impacts on Distribution Network and Further Growth Factorsâ€”A Comprehensive Review. Electronics (Switzerland), 2021, 10, 55.	1.8	55
6	Coordinated control of automated devices and photovoltaic generators for voltage rise mitigation in power distribution circuits. Renewable Energy, 2014, 66, 532-540.	4.3	37
7	Harmonic interactions of multiple distributed energy resources in power distribution networks. Electric Power Systems Research, 2013, 105, 124-133.	2.1	36
8	Machine Learning-Based Intrusion Detection for Achieving Cybersecurity in Smart Grids Using IEC 61850 GOOSE Messages. Symmetry, 2021, 13, 826.	1.1	30
9	Assessment of Battery Storage Technologies for a Turkish Power Network. Sustainability, 2019, 11, 3669.	1.6	27
10	Monte Carlo analysis of Plug-in Hybrid Vehicles and Distributed Energy Resource growth with residential energy storage in Michigan. Applied Energy, 2013, 108, 218-235.	5.1	26
11	Artificial Intelligence Based Intrusion Detection System for IEC 61850 Sampled Values Under Symmetric and Asymmetric Faults. IEEE Access, 2021, 9, 56486-56495.	2.6	24
12	Neuro-Fuzzy-Based Model Predictive Energy Management for Grid Connected Microgrids. Electronics (Switzerland), 2020, 9, 900.	1.8	22
13	Chaperonin (HSP60) and annexin-2 are candidate biomarkers for non-small cell lung carcinoma. Medicine (United States), 2017, 96, e5903.	0.4	20
14	Local steady-state and quasi steady-state impact studies of high photovoltaic generation penetration in power distribution circuits. Renewable and Sustainable Energy Reviews, 2015, 43, 569-583.	8.2	17
15	Enhancing Cybersecurity in Smart Grids: False Data Injection and Its Mitigation. Energies, 2021, 14, 2657.	1.6	17
16	Phasor-based assessment for harmonic sources in distribution networks. Electric Power Systems Research, 2014, 116, 94-105.	2.1	16
17	Blockchain-Based Energy Applications: The DSO Perspective. IEEE Access, 2021, 9, 145605-145625.	2.6	14
18	Smart Model Based Coordinated Control Based on Feeder Losses, Energy Consumption, and Voltage Violations. Electric Power Components and Systems, 2013, 41, 1686-1696.	1.0	12

#	Article	IF	Citations
19	Optimal Control of Microgrids with Multi-stage Mixed-integer Nonlinear Programming Guided Q-learning Algorithm. Journal of Modern Power Systems and Clean Energy, 2020, 8, 1151-1159.	3.3	12
20	Configurable, Hierarchical, Model-based, Scheduling Control with photovoltaic generators in power distribution circuits. Renewable Energy, 2015, 76, 318-329.	4.3	10
21	Novel hybrid design for microgrid control. , 2017, , .		10
22	Provision of Ancillary Services by a Smart Microgrid: An OPF Approach. , 2018, , .		9
23	Dynamic rolling horizon control approach for a university campus. Energy Reports, 2022, 8, 1154-1162.	2.5	8
24	Coronary Artery Disease Diagnosis Using Optimized Adaptive Ensemble Machine Learning Algorithm. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2020, 10, 58-65.	0.2	7
25	Economic Evaluation of Distribution System Smart Grid Investments. Electric Power Components and Systems, 2015, 43, 224-233.	1.0	6
26	Time-varying cost of loss evaluation in distribution networks using market marginal price. International Journal of Electrical Power and Energy Systems, 2014, 62, 712-717.	3.3	5
27	Automation Effects on Reliability and Operation Costs in Storm Restoration. Electric Power Components and Systems, 2015, 43, 656-664.	1.0	5
28	Cloud Induced PV Impact on Voltage Profiles for Real Microgrids. , 2018, , .		5
29	Distribution automation effects on reliability during major contingencies. , 2018, , .		5
30	Model-centric Distribution Automation: Capacity, Reliability, and Efficiency. Electric Power Components and Systems, 2016, 44, 495-505.	1.0	4
31	Investigation of distributed series reactors in power system applications and its economic implementation. International Transactions on Electrical Energy Systems, 2017, 27, e2259.	1.2	4
32	Model Centric Approach for Monte Carlo Assessment of Storm Restoration and Smart Grid Automation. , 2014, , .		3
33	Design considerations for campus micro-grid: MCAST Case Study. , 2018, , .		3
34	Implementation of cost benefit analysis of vehicle to grid coupled real Micro-Grid by considering battery energy wear: Practical study case. Energy and Environment, 2021, 32, 1292-1314.	2.7	3
35	Role of artificial intelligence in smart grids. Electrical Engineering, 2022, 104, 231-231.	1.2	3
36	Distributed energy storage system control for optimal adoption of electric vehicles. , 2012, , .		2

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37	Energy Saving of Conservation Voltage Reduction Based on Load-Voltage Dependency. Sustainability, 2016, 8, 803.	1.6	2
38	Harmonic Impact Study for Distributed Energy Resources Integrated Into Power Distribution Networks. , 2013, , .		1
39	Is the smart grid a good investment?. , 2015, , .		1
40	Implementation of capital deferral algorithm in real distribution systems considering reliability by managing major faults. Electrical Engineering, 2019, 101, 1095-1102.	1.2	1
41	PSO Supported Ensemble Algorithm for Bad Data Detection Against Intelligent Hacking Algorithm. Frontiers in Energy Research, 2021, 9, .	1.2	1
42	Efficiency and cost evaluation of distribution systems based on multiple time points. , 2015, , .		0
43	Micro-Grid Campus Concept from Data to Design: Case Study Malta. , 2020, , .		0
44	Machine Learning Algorithms Against Hacking Attack and Detection Success Comparison. , 2020, , .		0
45	Microgrid Environmental Impact. , 2020, , .		0