

# Mikaeel Ahmadi

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

631  
citations

759233

12  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

510  
citing authors

#	ARTICLE	IF	CITATIONS
1	BESS based voltage stability improvement enhancing the optimal control of real and reactive power compensation. <i>AIMS Energy</i> , 2022, 10, 535-552.	1.9	4
2	Optimum coordination of centralized and distributed renewable power generation incorporating battery storage system into the electric distribution network. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106458.	5.5	66
3	Photocatalytic Applications of Metal Oxides for Sustainable Environmental Remediation. <i>Metals</i> , 2021, 11, 80.	2.3	204
4	Assessing the Techno-Economic Impact of Derating Factors on Optimally Tilted Grid-Tied Photovoltaic Systems. <i>Energies</i> , 2021, 14, 1044.	3.1	13
5	A Framework for Integration of Smart and Sustainable Energy Systems in Urban Planning Processes of Low-Income Developing Countries: Afghanistan Case. <i>Sustainability</i> , 2021, 13, 8428.	3.2	6
6	Energy and Environment Efficiencies Towards Contributing to Global Sustainability. , 2021, , 1-13.		0
7	Optimal Merging of Transportation System Using Renewable Energy-Based Supply for Sustainable Development. , 2021, , 47-63.		1
8	Partial Deployment of Rooftop Solar and an Energy Efficiency Approach for Decreasing Grid Dependency. , 2021, , .		2
9	A coherent strategy for peak load shaving using energy storage systems. <i>Journal of Energy Storage</i> , 2020, 32, 101823.	8.1	33
10	A strategic-integrated approach for sustainable energy deployment. <i>Energy Reports</i> , 2020, 6, 40-44.	5.1	34
11	A Contemporary Novel Classification of Voltage Stability Indices. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1639.	2.5	26
12	Multi-objective optimization of optimal capacitor allocation in radial distribution systems. <i>International Journal of Emerging Electric Power Systems</i> , 2020, 21, .	0.8	1
13	Empowering Developing Nations and Sustainable Development: Case Studies and Synthesis. , 2020, , .		1
14	A sustainable microgrid: A sustainability and management-oriented approach. <i>Energy Procedia</i> , 2019, 159, 160-167.	1.8	26
15	Optimal Sizing of Multiple Renewable Energy Resources and PV Inverter Reactive Power Control Encompassing Environmental, Technical, and Economic Issues. <i>IEEE Systems Journal</i> , 2019, 13, 3026-3037.	4.6	40
16	Optimal multi-objective configuration and allocation of SVR, capacitor, centralised wind farm, and energy storage system: a multi-objective approach in a real distribution network. <i>IET Renewable Power Generation</i> , 2019, 13, 762-773.	3.1	30
17	Voltage Security-Constrained Optimal Generation Rescheduling for Available Transfer Capacity Enhancement in Deregulated Electricity Markets. <i>Energies</i> , 2019, 12, 4371.	3.1	5
18	Centralised multi-objective integration of wind farm and battery energy storage system in real distribution network considering environmental, technical and economic perspective. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 5207-5217.	2.5	27

#	ARTICLE	IF	CITATIONS
19	Technical and economic performance evaluation for efficient capacitors sizing and placement in a real distribution network. , 2019, , .		4
20	A managed framework for energy-efficient building. Journal of Building Engineering, 2019, 21, 120-128.	3.4	59
21	Multi-objective time-variant optimum automatic and fixed type of capacitor bank allocation considering minimization of switching steps. AIMS Energy, 2019, 7, 792-818.	1.9	10
22	Transients outrush current analysis and mitigation: A Case study of Afghanistan North East power system. AIMS Energy, 2019, 7, 493-506.	1.9	0
23	Optimal sizing and placement of rooftop solar photovoltaic at Kabul city real distribution network. IET Generation, Transmission and Distribution, 2018, 12, 303-309.	2.5	39