

# Hedayat Saboori

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,844  
citations

331642

21  
h-index

454934

30  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1717  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobile <scp>batteryâ€integrated</scp> charging station for reducing electric vehicles charging queue and cost via renewable energy curtailment recovery. International Journal of Energy Research, 2022, 46, 1077-1093.	4.5	13
2	Capturing curtailed renewable energy in electric power distribution networks via mobile battery storage fleet. Journal of Energy Storage, 2022, 46, 103883.	8.1	11
3	Power-to-gas utilization in optimal sizing of hybrid power, water, and hydrogen microgrids with energy and gas storage. Journal of Energy Storage, 2022, 45, 103745.	8.1	41
4	Using PV systems and parking lots to provide virtual inertia and frequency regulation provision in low inertia grids. Electric Power Systems Research, 2022, 207, 107859.	3.6	18
5	Technoâ€economicâ€environmental modeling, joint optimization, and sensitivity analysis of a combined water desalinationâ€hybrid renewable supply system. International Journal of Energy Research, 2022, 46, 12323-12340.	4.5	8
6	Triâ€objective optimization of a synergistic windâ€photovoltaic plant for water desalination addressing sustainable development goals. Sustainable Development, 2022, 30, 1811-1822.	12.5	7
7	Carbon-Constrained and Cost Optimal Hybrid Wind-Based System for Sustainable Water Desalination. IEEE Access, 2021, 9, 84079-84092.	4.2	6
8	Spatio-Temporal and Powerâ€Energy Scheduling of Mobile Battery Storage for Mitigating Wind and Solar Energy Curtailment in Distribution Networks. Energies, 2021, 14, 4853.	3.1	6
9	Mobile and self-powered battery energy storage system in distribution networksâ€Modeling, operation optimization, and comparison with stationary counterpart. Journal of Energy Storage, 2021, 42, 103068.	8.1	22
10	Optimal Management of Mobile Battery Energy Storage as a Self-Driving, Self-Powered and Movable Charging Station to Promote Electric Vehicle Adoption. Energies, 2021, 14, 736.	3.1	21
11	Sustainable and reliable hybrid AC/DC microgrid planning considering technology choice of equipment. Sustainable Energy, Grids and Networks, 2020, 23, 100386.	3.9	25
12	Optimal scheduling of mobile utility-scale battery energy storage systems in electric power distribution networks. Journal of Energy Storage, 2020, 31, 101615.	8.1	49
13	Multiâ€objective biâ€level optimisation to design realâ€time pricing for demand response programs in retail markets. IET Generation, Transmission and Distribution, 2019, 13, 1287-1296.	2.5	33
14	Multi-objective optimum charging management of electric vehicles through battery swapping stations. Energy, 2018, 165, 549-562.	8.8	78
15	Energy storage planning in electric power distribution networks â€ A state-of-the-art review. Renewable and Sustainable Energy Reviews, 2017, 79, 1108-1121.	16.4	167
16	Stochastic planning and scheduling of energy storage systems for congestion management in electric power systems including renewable energy resources. Energy, 2017, 133, 380-387.	8.8	129
17	Coordinated short-term scheduling and long-term expansion planning in microgrids incorporating renewable energy resources and energy storage systems. Energy, 2017, 134, 699-708.	8.8	83
18	Evaluating and comparing profitability of bulk storage systems in unit commitment and optimal power flow operation frameworks. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	2

#	ARTICLE	IF	CITATIONS
19	Maximizing DISCO profit in active distribution networks by optimal planning of energy storage systems and distributed generators. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 71, 365-372.	16.4	75
20	Stochastic optimal battery storage sizing and scheduling in home energy management systems equipped with solar photovoltaic panels. <i>Energy and Buildings</i> , 2017, 152, 290-300.	6.7	124
21	Optimal management and planning of storage systems based on particle swarm optimization technique. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	24
22	A multi-functional dynamic state estimator for error validation: measurement and parameter errors and sudden load changes. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2016, 17, 1218-1227.	2.6	0
23	Stochastic analysis of wind energy uncertainty impact on ISO risk-taking in joint energy and reserve markets using conditional value at risk. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	7
24	Considering Carbon Capture and Storage in Electricity Generation Expansion Planning. <i>IEEE Transactions on Sustainable Energy</i> , 2016, 7, 1371-1378.	8.8	98
25	Assessing wind uncertainty impact on short term operation scheduling of coordinated energy storage systems and thermal units. <i>Renewable Energy</i> , 2016, 95, 74-84.	8.9	55
26	Stochastic risk-averse coordinated scheduling of grid integrated energy storage units in transmission constrained wind-thermal systems within a conditional value-at-risk framework. <i>Energy</i> , 2016, 113, 762-775.	8.8	50
27	Emergence of hybrid energy storage systems in renewable energy and transport applications – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 65, 11-23.	16.4	290
28	Multistage generation expansion planning incorporating large scale energy storage systems and environmental pollution. <i>Renewable Energy</i> , 2016, 97, 636-645.	8.9	83
29	Short-term bulk energy storage system scheduling for load leveling in unit commitment: modeling, optimization, and sensitivity analysis. <i>Journal of Advanced Research</i> , 2016, 7, 360-372.	9.5	48
30	Multistage distribution network expansion planning considering the emerging energy storage systems. <i>Energy Conversion and Management</i> , 2015, 105, 938-945.	9.2	78
31	Reliability improvement in radial electrical distribution network by optimal planning of energy storage systems. <i>Energy</i> , 2015, 93, 2299-2312.	8.8	149
32	Evaluating PHEV impacts on domestic distribution grid in terms of power losses and voltage drop. , 2014, , .		6
33	Utilizing PHEVs for Peak-Shaving, Loss Reduction and Voltage Profile Improvement via V2B Mode. , 2014, , .		7
34	Net-Zero Energy Building implementation through a grid-connected home energy management system. , 2014, , .		9
35	Application of a grid scale energy storage system to reduce distribution network losses. , 2013, , .		17
36	DCOPF-based LMP calculation considering line reactive flows. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
37	Economic assessment methods for transmission network expansion planning in competitive environments. , 2010, , .		1
38	Transmission network expansion planning using a DEA-based benders decomposition. , 2010, , .		3