

# David Steen

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

555  
citations

1307594

7  
h-index

1281871

11  
g-index

27  
all docs

27  
docs citations

27  
times ranked

604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transmission Line Protection Using Dynamic State Estimation and Advanced Sensors: Experimental Validation. IEEE Transactions on Power Delivery, 2023, 38, 162-176.	4.3	2
2	Local flexibility market framework for grid support services to distribution networks. Electrical Engineering, 2022, 104, 401-419.	2.0	5
3	Scenario-Based Stochastic Optimization for Energy and Flexibility Dispatch of a Microgrid. IEEE Transactions on Smart Grid, 2022, 13, 3328-3341.	9.0	26
4	Values and impacts of incorporating local flexibility services in transmission expansion planning. Electric Power Systems Research, 2022, 212, 108480.	3.6	7
5	Market-Based Energy Management Model of a Building Microgrid Considering Battery Degradation. IEEE Transactions on Smart Grid, 2021, 12, 1794-1804.	9.0	41
6	Key Drivers and Future Scenarios of Local Energy and Flexibility Markets. , 2021, , .		2
7	A Review on Challenges and Solutions in Microgrid Protection. , 2021, , .		11
8	Development of a DSO support tool for congestion forecast. IET Generation, Transmission and Distribution, 2021, 15, 3345-3359.	2.5	6
9	Peer to Peer technologies in energy network. , 2021, , .		4
10	Cost-Effectiveness of Carbon Emission Abatement Strategies for a Local Multi-Energy System—A Case Study of Chalmers University of Technology Campus. Energies, 2020, 13, 1626.	3.1	9
11	A Close-to-Real-time Energy Management System for Smart Residential Buildings. , 2019, , .		0
12	A Congestion Forecast Framework for Distribution Systems with High Penetration of PVs and PEVs. , 2019, , .		3
13	Stochastic Operation Scheduling Model for a Swedish Prosumer with PV and BESS in Nordic Day-Ahead Electricity Market. , 2019, , .		6
14	Impact of Internal Energy Exchange Cost on Integrated Community Energy Systems. , 2019, , .		5
15	Chalmers Campus as a Testbed for Intelligent Grids and Local Energy Systems. , 2019, , .		9
16	A Centralized Building Energy Management System for Residential Energy Hubs. , 2019, , .		3
17	Congestion Management using Local Flexibility Markets: Recent Development and Challenges. , 2019, , .		17
18	Energy Scheduling Strategies for Grid-connected Microgrids: A Case Study on Chalmers Campus. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Fast charging of electric buses in distribution systems. , 2017, , .		4
20	Impacts of fast charging of electric buses on electrical distribution systems. CIRED - Open Access Proceedings Journal, 2017, 2017, 2350-2353.	0.1	19
21	Cost-benefit analysis of battery storage investment for microgrid of Chalmers university campus using 1/4-OPF framework. , 2017, , .		10
22	Effects of Network Tariffs on Residential Distribution Systems and Price-Responsive Customers Under Hourly Electricity Pricing. IEEE Transactions on Smart Grid, 2015, , 1-1.	9.0	23
23	Modeling of thermal storage systems in MILP distributed energy resource models. Applied Energy, 2015, 137, 782-792.	10.1	134
24	Impact assessment of wind power and demand side management on day-ahead market prices. , 2014, , .		2
25	Assessment of Electric Vehicle Charging Scenarios Based on Demographical Data. IEEE Transactions on Smart Grid, 2012, 3, 1457-1468.	9.0	152
26	Optimal load management of electric heating and PEV loads in a residential distribution system in Sweden. , 2011, , .		9
27	Effects of Plug-in Electric Vehicles on distribution systems: A real case of Gothenburg. , 2010, , .		41