Ahmed Samir Zamzam

List of Publications by Year
in descending order

34 papers	632 citations	1163117 8 h-index	1058476 14 g-index
34 all docs	34 docs citations	34 times ranked	532 citing authors

#	Article	IF	Citations
1	Data-Driven Learning-Based Optimization for Distribution System State Estimation. IEEE Transactions on Power Systems, 2019, 34, 4796-4805.	6.5	113
2	Physics-Aware Neural Networks for Distribution System State Estimation. IEEE Transactions on Power Systems, 2020, 35, 4347-4356.	6.5	96
3	Optimal Water–Power Flow-Problem: Formulation and Distributed Optimal Solution. IEEE Transactions on Control of Network Systems, 2019, 6, 37-47.	3.7	72
4	Learning Optimal Solutions for Extremely Fast AC Optimal Power Flow. , 2020, , .		56
5	Beyond Relaxation and Newton–Raphson: Solving AC OPF for Multi-Phase Systems With Renewables. IEEE Transactions on Smart Grid, 2018, 9, 3966-3975.	9.0	47
6	Resampling and data augmentation for short-term PV output prediction based on an imbalanced sky images dataset using convolutional neural networks. Solar Energy, 2021, 224, 341-354.	6.1	37
7	Power System State Estimation via Feasible Point Pursuit: Algorithms and Cramér-Rao Bound. IEEE Transactions on Signal Processing, 2018, 66, 1649-1658.	5.3	30
8	Coupled Graph and Tensor Factorization for Recommender Systems and Community Detection. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	5.7	26
9	Learning-Based Antenna Selection for Multicasting. , 2018, , .		25
10	Learning-Accelerated ADMM for Distributed DC Optimal Power Flow. , 2022, 6, 1-6.		17
11	Multi-Area Distribution System State Estimation Using Decentralized Physics-Aware Neural Networks. Energies, 2021, 14, 3025.	3.1	16
12	Network-Cognizant Time-Coupled Aggregate Flexibility of Distribution Systems Under Uncertainties. , 2021, 5, 1723-1728.		15
13	ParaSketch: Parallel Tensor Factorization via Sketching. , 2018, , 396-404.		9
14	Energy Storage Management via Deep Q-Networks. , 2019, , .		6
15	Large Scale Tensor Factorization via Parallel Sketches. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 365-378.	5.7	6
16	Exactness of OPF Relaxation on Three-Phase Radial Networks With Delta Connections. IEEE Transactions on Smart Grid, 2021, 12, 3232-3241.	9.0	6
17	On the Degrees of Freedom of the Two-Cell Two-Hop MIMO Network With Dedicated and Shared Relays. IEEE Transactions on Wireless Communications, 2015, 14, 6738-6751.	9.2	5
18	Power system state estimation via feasible point pursuit. , 2016, , .		5

#	Article	IF	Citations
19	Cell-Edge Detection via Selective Cooperation and Generalized Canonical Correlation. IEEE Transactions on Wireless Communications, 2021, 20, 7431-7444.	9.2	5
20	Enhancement of Distribution System State Estimation Using Pruned Physics-Aware Neural Networks. , 2021, , .		5
21	PowerGridworld. , 2022, , .		5
22	Coupled graph tensor factorization. , 2016, , .		4
23	Optimal Distributed Energy Storage Management Using Relaxed Dantzig-Wolfe Decomposition. , 2018, , .		4
24	Model-Free State Estimation Using Low-Rank Canonical Polyadic Decomposition. , 2021, 5, 605-610.		4
25	Distributed optimal power flow using feasible point pursuit. , 2017, , .		3
26	Multiarea Distribution System State Estimation via Distributed Tensor Completion. IEEE Transactions on Smart Grid, 2022, 13, 4887-4898.	9.0	3
27	Network-Cognizant Time-Coupled Aggregate Flexibility of Distribution Systems Under Uncertainties. , 2021, , .		2
28	Substation-Level Grid Topology Optimization Using Bus Splitting. , 2021, , .		2
29	Efficient Region of Attraction Characterization for Control and Stabilization of Load Tap Changer Dynamics. IEEE Transactions on Control of Network Systems, 2022, 9, 1506-1517.	3.7	2
30	OPF-Learn: An Open-Source Framework for Creating Representative AC Optimal Power Flow Datasets. , 2022, , .		2
31	Degrees of freedom for a two-cell relay network with soft handoffs. , 2014, , .		1
32	Decentralized power system state estimation via non-convex multi-agent optimization. , 2017, , .		1
33	Phased. , 2020, , .		1
34	Multi-Area Model-Free State Estimation via Distributed Tensor Decomposition. , 2020, , .		1