

Eilyan Bitar

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

623
citations

1162889

8
h-index

1281743

11
g-index

31
all docs

31
docs citations

31
times ranked

813
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Grid Data Integrity Attacks. IEEE Transactions on Smart Grid, 2013, 4, 1244-1253.	6.2	189
2	Deadline Differentiated Pricing of Deferrable Electric Loads. IEEE Transactions on Smart Grid, 2017, 8, 13-25.	6.2	69
3	Deadline differentiated pricing of deferrable electric power service. , 2012, , .		54
4	Coordinated control of a wind turbine array for power maximization. , 2013, , .		42
5	Decentralized Stochastic Control of Distributed Energy Resources. IEEE Transactions on Power Systems, 2018, 33, 888-900.	4.6	40
6	Risk-Sensitive Learning and Pricing for Demand Response. IEEE Transactions on Smart Grid, 2018, 9, 6000-6007.	6.2	34
7	Robust AC Optimal Power Flow. IEEE Transactions on Power Systems, 2019, 34, 1669-1681.	4.6	24
8	Financial storage rights in electric power networks. Journal of Regulatory Economics, 2017, 52, 1-23.	0.8	23
9	Forward electricity markets with uncertain supply: Cost sharing and efficiency loss. , 2014, , .		22
10	A rank minimization algorithm to enhance semidefinite relaxations of Optimal Power Flow. , 2013, , .		21
11	Variability and the Locational Marginal Value of Energy Storage. , 2014, , .		18
12	On incentive compatibility of deadline differentiated pricing for deferrable demand. , 2013, , .		17
13	Random convex approximations of ambiguous chance constrained programs. , 2016, , .		8
14	Stochastic AC optimal power flow with affine recourse. , 2016, , .		8
15	On the marginal value of electricity storage. Systems and Control Letters, 2019, 123, 151-159.	1.3	8
16	A Structural Characterization of Market Power in Electric Power Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 987-1006.	4.1	8
17	Dynamic Model for estimating the Macroscopic Fundamental Diagram **This research was supported in part by the Ruch collaboration grant through the Jacobs Technion-Cornell Institute. The first author thanks the U.S.-Israel Binational Science Foundation and the Technion Zeff fellowship. The second author acknowledges the fundings of the Glasberg-Klein, the NY Metropolitan Research Foundations, the Israeli Environmental and Health Foundation and The Technion Center of Excellence in Exposure Science for their pa. IFAC-PapersOnLine, 2016, 49, 297-302	0.5	6
18	A Convex Information Relaxation for Constrained Decentralized Control Design Problems. IEEE Transactions on Automatic Control, 2019, 64, 4788-4795.	3.6	6

#	ARTICLE	IF	CITATIONS
19	Networked cournot competition in platform markets: Access control and efficiency loss. , 2017, , .		5
20	Piecewise affine dispatch policies for economic dispatch under uncertainty. , 2014, , .		4
21	Decentralized control of distributed energy resources in radial distribution systems. , 2016, , .		3
22	Performance bounds for robust decentralized control. , 2016, , .		3
23	Stability guarantees for primary frequency control with randomized flexible loads. , 2016, , .		3
24	Learning to Buy (and Sell) Demand Response * *This work was supported in part by NSF grant ECCS-1351621, NSF grant CNS-1239178, NSF grant IIP- 1632124, US DoE under the CERTS initiative, and the Simons Institute for the Theory of Computing.. IFAC-PapersOnLine, 2017, 50, 6761-6767.	0.5	3
25	Market induced curtailment of wind power. , 2012, , .		2
26	Data-driven pricing of demand response. , 2016, , .		2
27	Acyclic semidefinite approximations of quadratically constrained quadratic programs. , 2015, , .		1
28	A bound on the minimum rank of solutions to sparse linear matrix equations. , 2016, , .		0
29	Decentralized Control of Constrained Linear Systems via Assume-Guarantee Contracts. , 2020, , .		0
30	Nonparametric Estimation of Uncertainty Sets for Robust Optimization. , 2020, , .		0
31	Data-Driven Approximations of Chance Constrained Programs in Nonstationary Environments. , 2022, , 1-1.		0