

Saverio Bolognani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6192765/publications.pdf>

Version: 2024-02-01

66
papers

2,491
citations

516710

16
h-index

414414

32
g-index

66
all docs

66
docs citations

66
times ranked

1943
citing authors

#	ARTICLE	IF	CITATIONS
1	Posetal Games: Efficiency, Existence, and Refinement of Equilibria in Games With Prioritized Metrics. IEEE Robotics and Automation Letters, 2022, 7, 1292-1299.	5.1	6
2	Data-Driven Continuous-Set Predictive Current Control for Synchronous Motor Drives. IEEE Transactions on Power Electronics, 2022, 37, 6637-6646.	7.9	53
3	Stability Analysis and Design of Local Control Schemes in Active Distribution Grids. IEEE Transactions on Power Systems, 2021, 36, 1900-1909.	6.5	16
4	Timescale Separation in Autonomous Optimization. IEEE Transactions on Automatic Control, 2021, 66, 611-624.	5.7	42
5	Corrigendum to: "Timescale Separation in Autonomous Optimization" [Feb 21 611-624]. IEEE Transactions on Automatic Control, 2021, 66, 6197-6198.	5.7	2
6	Projected Dynamical Systems on Irregular, Non-Euclidean Domains for Nonlinear Optimization. SIAM Journal on Control and Optimization, 2021, 59, 635-668.	2.1	11
7	Urban Driving Games With Lexicographic Preferences and Socially Efficient Nash Equilibria. IEEE Robotics and Automation Letters, 2021, 6, 4978-4985.	5.1	15
8	Wasserstein Distributionally Robust Look-Ahead Economic Dispatch. IEEE Transactions on Power Systems, 2021, 36, 2010-2022.	6.5	36
9	Wasserstein Distributionally Robust Look-Ahead Economic Dispatch. , 2021, , .		1
10	Sampled-Data Online Feedback Equilibrium Seeking: Stability and Tracking. , 2021, , .		10
11	Experimental validation of feedback optimization in power distribution grids. Electric Power Systems Research, 2020, 189, 106782.	3.6	26
12	Closing the loop: Dynamic state estimation and feedback optimization of power grids. Electric Power Systems Research, 2020, 189, 106753.	3.6	14
13	Fully distributed peer-to-peer optimal voltage control with minimal model requirements. Electric Power Systems Research, 2020, 189, 106717.	3.6	19
14	A Market Mechanism for Virtual Inertia. IEEE Transactions on Smart Grid, 2020, 11, 3570-3579.	9.0	22
15	Non-Convex Feedback Optimization with Input and Output Constraints. , 2020, , 1-1.		9
16	Data-driven predictive current control for synchronous motor drives. , 2020, , .		18
17	Limit Behavior and the Role of Augmentation in Projected Saddle Flows for Convex Optimization. IFAC-PapersOnLine, 2020, 53, 5511-5517.	0.9	1
18	Distributed Control and Optimization for Autonomous Power Grids. , 2019, , .		30

#	ARTICLE	IF	CITATIONS
19	On the Need for Communication for Voltage Regulation of Power Distribution Grids. IEEE Transactions on Control of Network Systems, 2019, 6, 1111-1123.	3.7	45
20	Grid Topology Identification via Distributed Statistical Hypothesis Testing. , 2018, , 281-301.		4
21	Stability of Dynamic Feedback optimization with Applications to Power Systems. , 2018, , .		25
22	Time-varying Projected Dynamical Systems with Applications to Feedback Optimization of Power Systems. , 2018, , .		21
23	Generic Existence of Unique Lagrange Multipliers in AC Optimal Power Flow. , 2018, 2, 791-796.		15
24	Hierarchical and Distributed Monitoring of Voltage Stability in Distribution Networks. IEEE Transactions on Power Systems, 2018, 33, 6705-6714.	6.5	17
25	Virtual Inertia Placement in Electric Power Grids. The IMA Volumes in Mathematics and Its Applications, 2018, , 281-305.	0.5	5
26	Optimal Placement of Virtual Inertia in Power Grids. IEEE Transactions on Automatic Control, 2017, 62, 6209-6220.	5.7	178
27	A distributed voltage stability margin for power distribution networks. IFAC-PapersOnLine, 2017, 50, 13240-13245.	0.9	11
28	An efficient partial-order representation of feasible schedules for online decisions. , 2017, , .		2
29	Online optimization in closed loop on the power flow manifold. , 2017, , .		43
30	A Fast Method for Real-Time Chance-Constrained Decision With Application to Power Systems. , 2017, 1, 152-157.		11
31	The value of communication in the voltage regulation problem. , 2016, , .		32
32	A separation principle for optimal IaaS cloud computing distribution. , 2016, , .		1
33	Projected gradient descent on Riemannian manifolds with applications to online power system optimization. , 2016, , .		63
34	Linear implicit AC PF cascading failure analysis with power system operations and automation. , 2016, , .		3
35	Placing Rotational Inertia in Power Grids. , 2016, , .		12
36	Fast scenario-based decision making in unbalanced distribution networks. , 2016, , .		8

#	ARTICLE	IF	CITATIONS
37	On the Existence and Linear Approximation of the Power Flow Solution in Power Distribution Networks. IEEE Transactions on Power Systems, 2016, 31, 163-172.	6.5	303
38	A Randomized Linear Algorithm for Clock Synchronization in Multi-Agent Systems. IEEE Transactions on Automatic Control, 2016, 61, 1711-1726.	5.7	28
39	Fast power system analysis via implicit linearization of the power flow manifold. , 2015, , .		111
40	Optimal Consumption Policies for Power-Constrained Flexible Loads Under Dynamic Pricing. IEEE Transactions on Smart Grid, 2015, 6, 1884-1892.	9.0	5
41	Distributed Reactive Power Feedback Control for Voltage Regulation and Loss Minimization. IEEE Transactions on Automatic Control, 2015, 60, 966-981.	5.7	194
42	Deferrable loads in an energy market: Coordination under congestion constraints. , 2014, , .		4
43	Deferrable loads in energy markets: Optimal consumption policies. , 2014, , .		2
44	State estimation in power distribution networks with poorly synchronized measurements. , 2014, , .		18
45	A Distributed Control Strategy for Reactive Power Compensation in Smart Microgrids. IEEE Transactions on Automatic Control, 2013, 58, 2818-2833.	5.7	218
46	A distributed control strategy for optimal reactive power flow with power and voltage constraints. , 2013, , .		13
47	Reactive Power Ancillary Service by Constant Power Loads in Distributed AC Systems. IEEE Transactions on Power Delivery, 2013, 28, 920-927.	4.3	25
48	Identification of power distribution network topology via voltage correlation analysis. , 2013, , .		150
49	A distributed control strategy for optimal reactive power flow with power constraints. , 2013, , .		10
50	A Distributed Feedback Control Approach to the Optimal Reactive Power Flow Problem. Lecture Notes in Control and Information Sciences, 2013, , 259-277.	1.0	8
51	Performance analysis of a distributed algorithm for dynamic reactive power compensation. , 2012, , .		4
52	Convergence analysis of a distributed voltage support strategy for optimal reactive power compensation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 145-150.	0.4	4
53	A randomized linear algorithm for clock synchronization in multi-agent systems. , 2012, , .		9
54	Distributed multi-hop reactive power compensation in smart micro-grids subject to saturation constraints. , 2012, , .		14

#	ARTICLE	IF	CITATIONS
55	Distributed control for optimal reactive power compensation in smart microgrids. , 2011, , .		22
56	A linear dynamic model for microgrid voltages in presence of distributed generation. , 2011, , .		11
57	A gossip-like distributed optimization algorithm for reactive power flow control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5700-5705.	0.4	15
58	Distributed Quasi-Newton Method and its Application to the Optimal Reactive Power Flow Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 305-310.	0.4	9
59	Consensus-based distributed sensor calibration and least-square parameter identification in WSNs. International Journal of Robust and Nonlinear Control, 2010, 20, 176-193.	3.7	53
60	Pure state stabilization with discrete-time quantum feedback. , 2010, , .		3
61	Engineering Stable Discrete-Time Quantum Dynamics via a Canonical QR Decomposition. IEEE Transactions on Automatic Control, 2010, 55, 2721-2734.	5.7	26
62	Design and Implementation of Model Predictive Control for Electrical Motor Drives. IEEE Transactions on Industrial Electronics, 2009, 56, 1925-1936.	7.9	362
63	A PI consensus controller with gossip communication for clock synchronization in wireless sensors networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 78-83.	0.4	10
64	Combined speed and current Model Predictive Control with inherent field-weakening features for PMSM Drives. , 2008, , .		24
65	Adaptive output feedback control for complex-valued reaction-advection-diffusion systems. , 2008, , .		7
66	Distributed sensor calibration and least-square parameter identification in WSNs using consensus algorithms. , 2008, , .		2