

Kostas Margellos

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

441
citations

1163117

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20
g-index

37
all docs

37
docs citations

37
times ranked

330
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual decomposition for multi-agent distributed optimization with coupling constraints. Automatica, 2017, 84, 149-158.	5.0	137
2	Distributed Constrained Optimization and Consensus in Uncertain Networks via Proximal Minimization. IEEE Transactions on Automatic Control, 2018, 63, 1372-1387.	5.7	55
3	Capacity Controlled Demand Side Management: A Stochastic Pricing Analysis. IEEE Transactions on Power Systems, 2016, 31, 706-717.	6.5	45
4	On the Connection Between Compression Learning and Scenario Based Single-Stage and Cascading Optimization Problems. IEEE Transactions on Automatic Control, 2015, 60, 2716-2721.	5.7	39
5	A decentralized approach to multi-agent MILPs: Finite-time feasibility and performance guarantees. Automatica, 2019, 103, 141-150.	5.0	26
6	A Distributed Iterative Algorithm for Multi-Agent MILPs: Finite-Time Feasibility and Performance Characterization. , 2018, 2, 563-568.		19
7	Price of anarchy in electric vehicle charging control games: When Nash equilibria achieve social welfare. Automatica, 2018, 96, 150-158.	5.0	19
8	Finite-Time Distributed Averaging Over Gossip-Constrained Ring Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 879-887.	3.7	9
9	On the Convergence of a Regularized Jacobi Algorithm for Convex Optimization. IEEE Transactions on Automatic Control, 2018, 63, 1113-1119.	5.7	9
10	A dynamic programming framework for optimal delivery time slot pricing. European Journal of Operational Research, 2021, 292, 456-468.	5.7	9
11	Subgradient averaging for multi-agent optimisation with different constraint sets. Automatica, 2021, 131, 109738.	5.0	8
12	On decentralized convex optimization in a multi-agent setting with separable constraints and its application to optimal charging of electric vehicles. , 2016, , .		7
13	Probabilistic sensitivity of Nash equilibria in multi-agent games: a wait-and-judge approach. , 2019, , .		6
14	Probably Approximately Correct Nash Equilibrium Learning. IEEE Transactions on Automatic Control, 2021, 66, 4238-4245.	5.7	6
15	Regularized Jacobi Iteration for Decentralized Convex Quadratic Optimization With Separable Constraints. IEEE Transactions on Control Systems Technology, 2019, 27, 1636-1644.	5.2	5
16	On the probabilistic feasibility of solutions in multi-agent optimization problems under uncertainty. European Journal of Control, 2022, 63, 186-195.	2.6	5
17	Probabilistic feasibility guarantees for solution sets to uncertain variational inequalities. Automatica, 2022, 137, 110120.	5.0	5
18	Distributed Actuator Selection: Achieving Optimality via a Primal-Dual Algorithm. , 2018, 2, 779-784.		4

#	ARTICLE	IF	CITATIONS
19	Distributed optimization for structured programs and its application to energy management in a building district. <i>Journal of Process Control</i> , 2020, 89, 11-21.	3.3	4
20	Convexity and Feedback in Approximate Dynamic Programming for Delivery Time Slot Pricing. <i>IEEE Transactions on Control Systems Technology</i> , 2022, 30, 893-900.	5.2	4
21	Linear programs for resource sharing among heterogeneous agents: The effect of random agent arrivals. , 2017, , .		3
22	Scenario-based Robust Scheduling for Electric Vehicle Charging Games. , 2019, , .		3
23	A Concave Value Function Extension for the Dynamic Programming Approach to Revenue Management in Attended Home Delivery. , 2019, , .		3
24	On the Exact Feasibility of Convex Scenario Programs With Discarded Constraints. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 1986-2001.	5.7	3
25	Convergence rate analysis of a subgradient averaging algorithm for distributed optimisation with different constraint sets. , 2019, , .		2
26	Constrained optimal control of stochastic switched affine systems using randomization. , 2016, , .		1
27	A scenario-based approach to multi-agent optimization with distributed information. <i>IFAC-PapersOnLine</i> , 2020, 53, 20-25.	0.9	1
28	Gradient-Bounded Dynamic Programming with Submodular and Concave extensible Value Functions. <i>IFAC-PapersOnLine</i> , 2020, 53, 6825-6830.	0.9	1
29	On the Sensitivity of Linear Resource Sharing Problems to the Arrival of New Agents. <i>IEEE Transactions on Automatic Control</i> , 2023, 68, 272-284.	5.7	1
30	New results on resource sharing problems with random agent arrivals and an application to economic dispatch in power systems. , 2021, , .		1
31	Probabilistically Robust Stabilizing Allocations in Uncertain Coalitional Games. , 2022, 6, 3128-3133.		1
32	A proximal minimization based distributed approach to power control in wireless networks: Performance and comparative analysis. , 2017, , .		0
33	Distributed Optimisation for Energy Management in Building Networks. , 2018, , .		0
34	Probabilistic Stabilizability Certificates for a Class of Black-Box Linear Systems. , 2022, 6, 584-589.		0
35	Locating Parking Hubs in Free-Floating Ride Share Systems via Data-Driven Optimization. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 11621-11632.	8.0	0
36	Agent independent probabilistic robustness certificates for robust optimization programs with uncertain quadratic cost. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Gradient-bounded dynamic programming for submodular and concave extensible value functions with probabilistic performance guarantees. <i>Automatica</i> , 2022, 135, 109897.	5.0	0