Kostas Margellos

List of Publications by Year
in descending order

37 papers	441 citations	1163117 8 h-index	752698 20 g-index
37 all docs	37 docs citations	37 times ranked	330 citing authors

#	Article	IF	Citations
1	On the Sensitivity of Linear Resource Sharing Problems to the Arrival of New Agents. IEEE Transactions on Automatic Control, 2023, 68, 272-284.	5.7	1
2	On the Exact Feasibility of Convex Scenario Programs With Discarded Constraints. IEEE Transactions on Automatic Control, 2023, 68, 1986-2001.	5.7	3
3	Convexity and Feedback in Approximate Dynamic Programming for Delivery Time Slot Pricing. IEEE Transactions on Control Systems Technology, 2022, 30, 893-900.	5.2	4
4	Probabilistic Stabilizability Certificates for a Class of Black-Box Linear Systems. , 2022, 6, 584-589.		0
5	Locating Parking Hubs in Free-Floating Ride Share Systems via Data-Driven Optimization. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11621-11632.	8.0	0
6	On the probabilistic feasibility of solutions in multi-agent optimization problems under uncertainty. European Journal of Control, 2022, 63, 186-195.	2.6	5
7	Gradient-bounded dynamic programming for submodular and concave extensible value functions with probabilistic performance guarantees. Automatica, 2022, 135, 109897.	5.0	0
8	Probabilistic feasibility guarantees for solution sets to uncertain variational inequalities. Automatica, 2022, 137, 110120.	5.0	5
9	Probabilistically Robust Stabilizing Allocations in Uncertain Coalitional Games. , 2022, 6, 3128-3133.		1
10	A dynamic programming framework for optimal delivery time slot pricing. European Journal of Operational Research, 2021, 292, 456-468.	5.7	9
11	Probably Approximately Correct Nash Equilibrium Learning. IEEE Transactions on Automatic Control, 2021, 66, 4238-4245.	5.7	6
12	Subgradient averaging for multi-agent optimisation with different constraint sets. Automatica, 2021, 131, 109738.	5.0	8
13	New results on resource sharing problems with random agent arrivals and an application to economic dispatch in power systems. , 2021, , .		1
14	Distributed optimization for structured programs and its application to energy management in a building district. Journal of Process Control, 2020, 89, 11-21.	3.3	4
15	A scenario-based approach to multi-agent optimization with distributed information. IFAC-PapersOnLine, 2020, 53, 20-25.	0.9	1
16	Agent independent probabilistic robustness certificates for robust optimization programs with uncertain quadratic cost. , 2020, , .		0
17	Gradient-Bounded Dynamic Programming with Submodular and Concave extensible Value Functions. IFAC-PapersOnLine, 2020, 53, 6825-6830.	0.9	1
18	Regularized Jacobi Iteration for Decentralized Convex Quadratic Optimization With Separable Constraints. IEEE Transactions on Control Systems Technology, 2019, 27, 1636-1644.	5.2	5

#	Article	IF	Citations
19	Scenario-based Robust Scheduling for Electric Vehicle Charging Games. , 2019, , .		3
20	A decentralized approach to multi-agent MILPs: Finite-time feasibility and performance guarantees. Automatica, 2019, 103, 141-150.	5.0	26
21	A Concave Value Function Extension for the Dynamic Programming Approach to Revenue Management in Attended Home Delivery. , 2019, , .		3
22	Convergence rate analysis of a subgradient averaging algorithm for distributed optimisation with different constraint sets. , 2019, , .		2
23	Probabilistic sensitivity of Nash equilibria in multi-agent games: a wait-and-judge approach. , 2019, , .		6
24	Distributed Constrained Optimization and Consensus in Uncertain Networks via Proximal Minimization. IEEE Transactions on Automatic Control, 2018, 63, 1372-1387.	5.7	55
25	Finite-Time Distributed Averaging Over Gossip-Constrained Ring Networks. IEEE Transactions on Control of Network Systems, 2018, 5, 879-887.	3.7	9
26	On the Convergence of a Regularized Jacobi Algorithm for Convex Optimization. IEEE Transactions on Automatic Control, 2018, 63, 1113-1119.	5.7	9
27	Distributed Optimisation for Energy Management in Building Networks. , 2018, , .		0
28	A Distributed Iterative Algorithm for Multi-Agent MILPs: Finite-Time Feasibility and Performance Characterization. , 2018, 2, 563-568.		19
29	Distributed Actuator Selection: Achieving Optimality via a Primal-Dual Algorithm. , 2018, 2, 779-784.		4
30	Price of anarchy in electric vehicle charging control games: When Nash equilibria achieve social welfare. Automatica, 2018, 96, 150-158.	5.0	19
31	Dual decomposition for multi-agent distributed optimization with coupling constraints. Automatica, 2017, 84, 149-158.	5.0	137
32	A proximal minimization based distributed approach to power control in wireless networks: Performance and comparative analysis. , 2017, , .		0
33	Linear programs for resource sharing among heterogeneous agents: The effect of random agent arrivals. , 2017, , .		3
34	On decentralized convex optimization in a multi-agent setting with separable constraints and its application to optimal charging of electric vehicles. , 2016, , .		7
35	Capacity Controlled Demand Side Management: A Stochastic Pricing Analysis. IEEE Transactions on Power Systems, 2016, 31, 706-717.	6.5	45
36	Constrained optimal control of stochastic switched affine systems using randomization. , 2016, , .		1

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37	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