

Panayotis Mertikopoulos

List of Publications by Year in descending order

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68
papers

928
citations

567144

15
h-index

552653

26
g-index

69
all docs

69
docs citations

69
times ranked

631
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning in games with continuous action sets and unknown payoff functions. <i>Mathematical Programming</i> , 2019, 173, 465-507.	1.6	81
2	Learning in Games via Reinforcement and Regularization. <i>Mathematics of Operations Research</i> , 2016, 41, 1297-1324.	0.8	62
3	Energy-Aware Competitive Power Allocation for Heterogeneous Networks Under QoS Constraints. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 4728-4742.	6.1	58
4	Living at the Edge: A Large Deviations Approach to the Outage MIMO Capacity. <i>IEEE Transactions on Information Theory</i> , 2011, 57, 1984-2007.	1.5	54
5	Fog Based Framework for IoT Service Provisioning. , 2019, , .		46
6	Learning to Be Green: Robust Energy Efficiency Maximization in Dynamic MIMO-OFDM Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2016, 34, 743-757.	9.7	39
7	Higher order game dynamics. <i>Journal of Economic Theory</i> , 2013, 148, 2666-2695.	0.5	32
8	Penalty-Regulated Dynamics and Robust Learning Procedures in Games. <i>Mathematics of Operations Research</i> , 2015, 40, 611-633.	0.8	32
9	Cycles in Adversarial Regularized Learning. , 2018, , 2703-2717.		32
10	The emergence of rational behavior in the presence of stochastic perturbations. <i>Annals of Applied Probability</i> , 2010, 20, .	0.6	31
11	Interference-Based Pricing for Opportunistic Multicarrier Cognitive Radio Systems. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 6536-6549.	6.1	23
12	Learning in an Uncertain World: MIMO Covariance Matrix Optimization With Imperfect Feedback. <i>IEEE Transactions on Signal Processing</i> , 2016, 64, 5-18.	3.2	23
13	Transmit without Regrets: Online Optimization in MIMO-OFDM Cognitive Radio Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2014, 32, 1987-1999.	9.7	22
14	Distributed Stochastic Optimization via Matrix Exponential Learning. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 2277-2290.	3.2	21
15	Mixed-Strategy Learning With Continuous Action Sets. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 379-384.	3.6	18
16	Auction-based resource allocation in OpenFlow multi-tenant networks. <i>Computer Networks</i> , 2017, 115, 29-41.	3.2	18
17	Riemannian game dynamics. <i>Journal of Economic Theory</i> , 2018, 177, 315-364.	0.5	18
18	On the robustness of learning in games with stochastically perturbed payoff observations. <i>Games and Economic Behavior</i> , 2017, 103, 41-66.	0.4	17

#	ARTICLE	IF	CITATIONS
19	Mirror descent learning in continuous games. , 2017, , .		17
20	Minibatch Forward-Backward-Forward Methods for Solving Stochastic Variational Inequalities. Stochastic Systems, 2021, 11, 112-139.	0.8	17
21	Matrix exponential learning: Distributed optimization in MIMO systems. , 2012, , .		16
22	Convergence to nash equilibrium in continuous games with noisy first-order feedback. , 2017, , .		15
23	A continuous-time approach to online optimization. Journal of Dynamics and Games, 2017, 4, 125-148.	0.6	15
24	Correlated Anarchy in Overlapping Wireless Networks. IEEE Journal on Selected Areas in Communications, 2008, 26, 1160-1169.	9.7	14
25	Semi-Cognitive Radio Networks: A Novel Dynamic Spectrum Sharing Mechanism. IEEE Transactions on Cognitive Communications and Networking, 2017, 3, 97-111.	4.9	14
26	On the Convergence of Gradient-Like Flows with Noisy Gradient Input. SIAM Journal on Optimization, 2018, 28, 163-197.	1.2	14
27	Online Power Optimization in Feedback-Limited, Dynamic and Unpredictable IoT Networks. IEEE Transactions on Signal Processing, 2019, 67, 2987-3000.	3.2	13
28	The Asymptotic Behavior of the Price of Anarchy. Lecture Notes in Computer Science, 2017, , 133-145.	1.0	11
29	Neutral stability, drift, and the diversification of languages. Journal of Theoretical Biology, 2011, 287, 1-12.	0.8	10
30	Robust Power Management via Learning and Game Design. Operations Research, 2021, 69, 331-345.	1.2	10
31	Learning in the presence of noise. , 2009, , .		9
32	Stochastic Mirror Descent Dynamics and Their Convergence in Monotone Variational Inequalities. Journal of Optimization Theory and Applications, 2018, 179, 838-867.	0.8	9
33	No regrets: Distributed power control under time-varying channels and QoS requirements. , 2014, , .		8
34	On the Convergence of Mirror Descent beyond Stochastic Convex Programming. SIAM Journal on Optimization, 2020, 30, 687-716.	1.2	8
35	Dynamic Power Allocation Games in Parallel Multiple Access Channels. , 2011, , .		8
36	Inertial Game Dynamics and Applications to Constrained Optimization. SIAM Journal on Control and Optimization, 2015, 53, 3141-3170.	1.1	7

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37	Imitation dynamics with payoff shocks. <i>International Journal of Game Theory</i> , 2016, 45, 291-320.	0.5	7
38	When is Selfish Routing Bad? The Price of Anarchy in Light and Heavy Traffic. <i>Operations Research</i> , 0, , .	1.2	7
39	Distributed optimization in multi-user MIMO systems with imperfect and delayed information. , 2014, , .		6
40	Load Aware Provisioning of IoT Services on Fog Computing Platform. , 2019, , .		6
41	Distributed Stochastic Optimization with Large Delays. <i>Mathematics of Operations Research</i> , 2022, 47, 2082-2111.	0.8	6
42	Hedging Under Uncertainty: Regret Minimization Meets Exponentially Fast Convergence. <i>Lecture Notes in Computer Science</i> , 2017, , 252-263.	1.0	5
43	Online Interference Mitigation via Learning in Dynamic IoT Environments. , 2016, , .		4
44	Stable Power Control in Wireless Networks via Dual Averaging. , 2017, , .		4
45	Hessian Barrier Algorithms for Linearly Constrained Optimization Problems. <i>SIAM Journal on Optimization</i> , 2019, 29, 2100-2127.	1.2	4
46	Online Reconfiguration of IoT Applications in the Fog: The Information-Coordination Trade-Off. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2022, 33, 1156-1172.	4.0	4
47	Multiagent Online Learning in Time-Varying Games. <i>Mathematics of Operations Research</i> , 2023, 48, 914-941.	0.8	4
48	Adaptive transmit policies for cost-efficient power allocation in multi-carrier systems. , 2014, , .		3
49	A STOCHASTIC APPROXIMATION ALGORITHM FOR STOCHASTIC SEMIDEFINITE PROGRAMMING. <i>Probability in the Engineering and Informational Sciences</i> , 2016, 30, 431-454.	0.6	3
50	Power Optimization in Random Wireless Networks. <i>IEEE Transactions on Information Theory</i> , 2016, 62, 5030-5058.	1.5	3
51	A novel dynamic network architecture model based on stochastic geometry and game theory. , 2016, , .		3
52	Distribution of MIMO mutual information: A large deviations approach. , 2009, , .		2
53	Energy-aware competitive link adaptation in small-cell networks. , 2014, , .		2
54	Online Power Allocation for Opportunistic Radio Access in Dynamic OFDM Networks. , 2016, , .		2

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55	Convergent Noisy forward-backward-forward algorithms in non-monotone variational inequalities. IFAC-PapersOnLine, 2019, 52, 120-125.	0.5	2
56	Vertical handover between wireless service providers. , 2008, , .		1
57	Riemannian-geometric optimization methods for MIMO multiple access channels. , 2013, , .		1
58	Energy-Efficient Power Allocation in Dynamic Multi-Carrier Systems. , 2015, , .		1
59	Distributed learning for resource allocation under uncertainty. , 2016, , .		1
60	Least action routing: Identifying the optimal path in a wireless relay network. , 2017, , .		1
61	Power Control with Random Delays: Robust Feedback Averaging. , 2018, , .		1
62	Fast Optimization With Zeroth-Order Feedback in Distributed, Multi-User MIMO Systems. IEEE Transactions on Signal Processing, 2020, 68, 6085-6100.	3.2	1
63	Adaptive Spectrum Management in MIMO-OFDM Cognitive Radio: An Exponential Learning Approach. , 2014, , .		1
64	Equilibrium Tracking and Convergence in Dynamic Games. , 2021, , .		1
65	Accelerating population-based search heuristics by adaptive resource allocation. , 2013, , .		0
66	Entropy-driven optimization dynamics for Gaussian vector multiple access channels. , 2013, , .		0
67	No more tears: A no-regret approach to power control in dynamically varying MIMO networks. , 2015, , .		0
68	Derivative-Free Optimization over Multi-user MIMO Networks. Communications in Computer and Information Science, 2021, , 17-24.	0.4	0