Demosthenis Teneketzis

List of Publications by Year
in descending order

77 papers	2,264 citations	236925 25 h-index	243625 44 g-index
77 all docs	77 docs citations	77 times ranked	1147 citing authors

#	Article	IF	Citations
1	A Unified Approach to Dynamic Decision Problems With Asymmetric Information: Nonstrategic Agents. IEEE Transactions on Automatic Control, 2022, 67, 1105-1119.	5.7	5
2	Electricity market design and implementation in the presence of asymmetrically informed strategic producers and consumers: A surrogate optimization-based mechanism. Energy Economics, 2022, 109, 105929.	12.1	2
3	Economizing the Uneconomic: Markets for Reliable, Sustainable, and Price Efficient Electricity. Sustainability, 2021, 13, 4197.	3.2	0
4	Private Information Compression in Dynamic Games among Teams. , 2021, , .		0
5	Common Knowledge and Sequential Team Problems. IEEE Transactions on Automatic Control, 2019, 64, 5108-5115.	5.7	8
6	An Efficient Market Design for Electricity Networks With Strategic Users Possessing Local Information. IEEE Transactions on Control of Network Systems, 2019, 6, 1038-1049.	3.7	10
7	An Efficient Dynamic Allocation Mechanism for Security in Networks of Interdependent Strategic Agents. Dynamic Games and Applications, 2019, 9, 914-941.	1.9	7
8	A Surrogate Optimization-Based Mechanism for Resource Allocation and Routing in Networks With Strategic Agents. IEEE Transactions on Automatic Control, 2019, 64, 464-479.	5.7	22
9	Game Theoretic Approaches to Cyber Security: Challenges, Results, and Open Problems. Lecture Notes in Computer Science, 2019, , 29-53.	1.3	4
10	A POMDP Approach to the Dynamic Defense of Large-Scale Cyber Networks. IEEE Transactions on Information Forensics and Security, 2018, 13, 2490-2505.	6.9	55
11	A Sufficient Information Approach to Decentralized Decision Making. , 2018, , .		3
12	Multidimensional Forward Contracts Under Uncertainty for Electricity Markets. IEEE Transactions on Control of Network Systems, 2017, 4, 511-522.	3.7	8
13	Dynamic Games With Asymmetric Information: Common Information Based Perfect Bayesian Equilibria and Sequential Decomposition. IEEE Transactions on Automatic Control, 2017, 62, 222-237.	5.7	37
14	Informational incentives for congestion games. , 2017, , .		22
15	On stochastic dynamic games with delayed sharing information structure. , 2016, , .		11
16	A decentralized mechanism for computing competitive equilibria in deregulated electricity markets. , 2016, , .		4
17	Dynamic oligopoly games with private Markovian dynamics. , 2015, , .		18
18	Correction to â€œAn Efficient Game Form for Unicast Service Provisioningâ€•[Feb 12 392-404]. IEEE Transactions on Automatic Control, 2015, 60, 584-585.	5.7	10

#	Article	IF	Citations
19	Signaling for decentralized routing in a queueing network. Annals of Operations Research, 2015, , 1.	4.1	4
20	Balancing through signaling in decentralized routing. , 2014, , .		2
21	Optimal contract design for energy procurement. , 2014, , .		11
22	Optimal Strategies for Communication and Remote Estimation With an Energy Harvesting Sensor. IEEE Transactions on Automatic Control, 2013, 58, 2246-2260.	5.7	136
23	Decentralized Stochastic Control with Partial History Sharing: A Common Information Approach. IEEE Transactions on Automatic Control, 2013, 58, 1644-1658.	5.7	163
24	Correction to "An Efficient Game Form for Multi-Rate Multicast Service Provisioning". IEEE Journal on Selected Areas in Communications, 2013, 31, 1355-1356.	14.0	8
25	Local Public Good Provisioning in Networks: A Nash Implementation Mechanism. IEEE Journal on Selected Areas in Communications, 2012, 30, 2105-2116.	14.0	27
26	An Efficient Game Form for Multi-Rate Multicast Service Provisioning. IEEE Journal on Selected Areas in Communications, 2012, 30, 2093-2104.	14.0	20
27	An Efficient Game Form for Unicast Service Provisioning. IEEE Transactions on Automatic Control, 2012, 57, 392-404.	5.7	27
28	Communication scheduling and remote estimation with energy harvesting sensor. , 2012, , .		5
29	Correction to â€œSequential Problems in Decentralized Detection With Communicationâ€•[Aug 11 5410-5435]. IEEE Transactions on Information Theory, 2012, 58, 493-493.	2.4	0
30	Optimal Control Strategies in Delayed Sharing Information Structures. IEEE Transactions on Automatic Control, 2011, 56, 1606-1620.	5.7	82
31	Sequential Problems in Decentralized Detection With Communication. IEEE Transactions on Information Theory, 2011, 57, 5410-5435.	2.4	19
32	On the Structure of Real-Time Encoding and Decoding Functions in a Multiterminal Communication System. IEEE Transactions on Information Theory, 2011, 57, 6196-6214.	2.4	24
33	A game-theoretic approach to decentralized optimal power allocation for cellular networks. Telecommunication Systems, 2011, 47, 65-80.	2.5	26
34	Measurement Scheduling for Soil Moisture Sensing: From Physical Models to Optimal Control. Proceedings of the IEEE, 2010, 98, 1918-1933.	21.3	27
35	A structural result for delayed sharing information structures. , 2010, , .		2
36	A Wireless Soil Moisture Smart Sensor Web Using Physics-Based Optimal Control: Concept and Initial Demonstrations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 522-535.	4.9	91

#	Article	IF	Citations
37	An individually rational, budget-balanced mechanism that implements in Nash equilibria the solution of the unicast service provisioning problem. , 2009, , .		3
38	Optimal Design of Sequential Real-Time Communication Systems. IEEE Transactions on Information Theory, 2009, 55, 5317-5338.	2.4	66
39	A sequential problem in decentralized detection with communication. , 2009, , .		0
40	An Externalities-Based Decentralized Optimal Power Allocation Algorithm for Wireless Networks. IEEE/ACM Transactions on Networking, 2009, 17, 1819-1831.	3.8	35
41	Optimal Performance of Networked Control Systems with Nonclassical Information Structures. SIAM Journal on Control and Optimization, 2009, 48, 1377-1404.	2.1	30
42	On the design of globally optimal communication strategies for real-time noisy communication systems with noisy feedback. IEEE Journal on Selected Areas in Communications, 2008, 26, 580-595.	14.0	30
43	A Soil Moisture Smart Sensor Web using Data Assimilation and Optimal Control: Formulation and First Laboratory Demonstration. , 2008, , .		0
44	Identifying tractable decentralized control problems on the basis of information structure. , 2008, , .		30
45	On globally optimal real-time encoding and decoding strategies in multi-terminal communication systems. , 2008, , .		8
46	Soil Moisture Smart Sensor Web Concept Using Data Assimilation and Optimal Control. , 2007, , .		0
47	Active Acquisition of Information for Diagnosis and Supervisory Control of Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 531-583.	1.5	61
48	Diagnosability of Discrete Event Systems with Modular Structure. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 9-37.	1.5	85
49	Optimal Performance of Feedback Control Systems with Limited Communication over Noisy Channels. , 2006, , .		5
50	Sensor Scheduling for Multiple Parameters Estimation under Energy Constraint. , 2006, , .		1
51	Fixed Delay Optimal Joint Source-Channel Coding for Finite-Memory Systems. , 2006, , .		6
52	Diagnosis of Intermittent Faults. Discrete Event Dynamic Systems: Theory and Applications, 2004, 14, 171-202.	1.5	100
53	Discrete search with multiple sensors. Mathematical Methods of Operations Research, 2004, 60, 1.	1.0	38
54	On the Effect of Communication Delays in Failure Diagnosis of Decentralized Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2003, 13, 263-289.	1.5	48

#	Article	IF	Citations
55	A Market-Based Approach to Optimal Resource Allocation in Integrated-Services Connection-Oriented Networks. Operations Research, 2002, 50, 603-616.	1.9	49
56	A pricing methodology for resource allocation and routing in integrated-services networks with quality of service requirements. Mathematical Methods of Operations Research, 2002, 56, 151-167.	1.0	8
57	On an Optimization Problem in Sensor Selection*. Discrete Event Dynamic Systems: Theory and Applications, 2002, 12, 417-445.	1.5	66
58	EXPECTED MAKESPAN MINIMIZATION ON IDENTICAL MACHINES IN TWO INTERCONNECTED QUEUES. Probability in the Engineering and Informational Sciences, 2001, 15, 409-443.	0.8	11
59	ON THE OPTIMALITY OF AN INDEX RULE IN MULTICHANNEL ALLOCATION FOR SINGLE-HOP MOBILE NETWORKS WITH MULTIPLE SERVICE CLASSES. Probability in the Engineering and Informational Sciences, 2000, 14, 259-297.	0.8	46
60	Coordinated Decentralized Protocols for Failure Diagnosis of Discrete Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2000, 10, 33-86.	1.5	364
61	On Partial Order Characterizations of Information Structures. Mathematics of Control, Signals, and Systems, 2000, 13, 277-292.	2.3	2
62	On the optimality of the Gittins index rule for multi-armed bandits with multiple plays. Mathematical Methods of Operations Research, 1999, 50, 449-461.	1.0	72
63	A simple load balancing problem with decentralized information. Mathematical Methods of Operations Research, 1996, 44, 97-113.	1.0	3
64	Optimal batch service of a polling system under partial information. Mathematical Methods of Operations Research, 1996, 44, 401-419.	1.0	7
65	Optimal Sequencing in Multiserver Systems. Probability in the Engineering and Informational Sciences, 1996, 10, 377-396.	0.8	2
66	Optimal Stochastic Dynamic Scheduling in Multi-Class Queues with Tardiness and/or Earliness Penalties. Probability in the Engineering and Informational Sciences, 1994, 8, 491-509.	0.8	6
67	Optimal Multiserver Stochastic Scheduling of two Interconnected Priority Queues. Advances in Applied Probability, 1994, 26, 258-279.	0.7	21
68	Optimal stochastic scheduling of forest networks with switching penalties. Advances in Applied Probability, 1994, 26, 474-497.	0.7	14
69	Optimality of index policies for stochastic scheduling with switching penalties. Journal of Applied Probability, 1992, 29, 957-966.	0.7	29
70	Information Structures, Causality, and Nonsequential Stochastic Control I: Design-Independent Properties. SIAM Journal on Control and Optimization, 1992, 30, 1447-1475.	2.1	28
71	Time-average and asymptotically optimal flow control policies in networks with multiple transmitters. Annals of Operations Research, 1992, 35, 325-355.	4.1	8
72	Certainty equivalence control with forcing: revisited. Systems and Control Letters, 1989, 13, 405-412.	2.3	17

#	Article	IF	Citations
73	Further results on the consensus problem. , 1987, , .		1
74	The decentralized wald problem. Information and Computation, 1987, 73, 23-44.	0.7	58
75	Consensus in distributed estimation with inconsistent beliefs. , 1984, , .		0
76	Dynamic Information Design: A Simple Problem on Optimal Sequential Information Disclosure. Dynamic Games and Applications, 0, , 1.	1.9	3
77	Dynamic Games Among Teams with Delayed Intra-Team Information Sharing. Dynamic Games and Applications, 0, , 1.	1.9	3