

Adam Shwartz

List of Publications by Year in descending order

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48
papers

1,043
citations

393982

19
h-index

454577

30
g-index

48
all docs

48
docs citations

48
times ranked

401
citing authors

#	ARTICLE	IF	CITATIONS
1	The fork-join queue and related systems with synchronization constraints: stochastic ordering and computable bounds. <i>Advances in Applied Probability</i> , 1989, 21, 629-660.	0.4	111
2	Constrained Discounted Dynamic Programming. <i>Mathematics of Operations Research</i> , 1996, 21, 922-945.	0.8	72
3	Weak convergence and asymptotic properties of adaptive filters with constant gains. <i>IEEE Transactions on Information Theory</i> , 1984, 30, 177-182.	1.5	68
4	Markov Decision Problems and State-Action Frequencies. <i>SIAM Journal on Control and Optimization</i> , 1991, 29, 786-809.	1.1	64
5	Constrained Markov Decision Models with Weighted Discounted Rewards. <i>Mathematics of Operations Research</i> , 1995, 20, 302-320.	0.8	57
6	Markov Decision Models with Weighted Discounted Criteria. <i>Mathematics of Operations Research</i> , 1994, 19, 152-168.	0.8	50
7	An Invariant Measure Approach to the Convergence of Stochastic Approximations with State Dependent Noise. <i>SIAM Journal on Control and Optimization</i> , 1984, 22, 13-27.	1.1	49
8	Sensitivity of constrained Markov decision processes. <i>Annals of Operations Research</i> , 1991, 32, 1-22.	2.6	39
9	Constrained dynamic programming with two discount factors: applications and an algorithm. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 628-631.	3.6	34
10	Optimal priority assignment: a time sharing approach. <i>IEEE Transactions on Automatic Control</i> , 1989, 34, 1098-1102.	3.6	33
11	Adaptive control of constrained Markov chains: Criteria and policies. <i>Annals of Operations Research</i> , 1991, 28, 101-134.	2.6	32
12	Dynamic Discrete Power Control in Cellular Networks. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 2328-2340.	3.6	29
13	A blind policy for equalizing cumulative idleness. <i>Queueing Systems</i> , 2011, 67, 275-293.	0.6	27
14	Stochastic approximations for finite-state Markov chains. <i>Stochastic Processes and Their Applications</i> , 1990, 35, 27-45.	0.4	26
15	Adaptive control of constrained Markov chains. <i>IEEE Transactions on Automatic Control</i> , 1991, 36, 454-462.	3.6	26
16	Large Deviations with Diminishing Rates. <i>Mathematics of Operations Research</i> , 2005, 30, 281-310.	0.8	24
17	An Optimal Adaptive Scheme for Two Competing Queues with Constraints. <i>Lecture Notes in Control and Information Sciences</i> , 1986, , 515-532.	0.6	22
18	Recursive identification in continuous-time stochastic processes. <i>Stochastic Processes and Their Applications</i> , 1994, 49, 245-275.	0.4	22

#	ARTICLE	IF	CITATIONS
19	Time-Sharing Policies for Controlled Markov Chains. <i>Operations Research</i> , 1993, 41, 1116-1124.	1.2	21
20	Constrained Markov Games: Nash Equilibria. , 2000, , 213-221.		20
21	Comparing Policies in Markov Decision Processes: Mandl's Lemma Revisited. <i>Mathematics of Operations Research</i> , 1990, 15, 155-174.	0.8	17
22	An Escape-Time Criterion for Queueing Networks: Asymptotic Risk-Sensitive Control via Differential Games. <i>Mathematics of Operations Research</i> , 2003, 28, 801-835.	0.8	17
23	Robustness of Policies in Constrained Markov Decision Processes. <i>IEEE Transactions on Automatic Control</i> , 2006, 51, 635-638.	3.6	16
24	Exact finite approximations of average-cost countable Markov decision processes. <i>Automatica</i> , 2008, 44, 1480-1487.	3.0	15
25	Markov decision processes with exponentially representable discounting. <i>Operations Research Letters</i> , 2009, 37, 51-55.	0.5	15
26	Asymptotically Efficient Adaptive Strategies in Repeated Games Part II. Asymptotic Optimality. <i>Mathematics of Operations Research</i> , 1996, 21, 487-512.	0.8	13
27	Abstract stochastic approximations and applications. <i>Stochastic Processes and Their Applications</i> , 1989, 31, 133-149.	0.4	11
28	Efficient Routing in Heavy Traffic Under Partial Sampling of Service Times. <i>Mathematics of Operations Research</i> , 2008, 33, 899-909.	0.8	11
29	Erasure, capture, and noise errors in controlled multiple-access networks. <i>IEEE Transactions on Communications</i> , 1989, 37, 1228-1231.	4.9	10
30	Risk-Sensitive Control for the Parallel Server Model. <i>SIAM Journal on Control and Optimization</i> , 2013, 51, 4363-4386.	1.1	10
31	Predicting the Impact of Measures Against P2P Networks: Transient Behavior and Phase Transition. <i>IEEE/ACM Transactions on Networking</i> , 2013, 21, 935-949.	2.6	9
32	Induced rare events: analysis via large deviations and time reversal. <i>Advances in Applied Probability</i> , 1993, 25, 667-689.	0.4	8
33	Asymptotically Efficient Adaptive Strategies in Repeated Games Part I: Certainty Equivalence Strategies. <i>Mathematics of Operations Research</i> , 1995, 20, 743-767.	0.8	8
34	Markov Decision Processes with Slow Scale Periodic Decisions. <i>Mathematics of Operations Research</i> , 2003, 28, 777-800.	0.8	7
35	Large deviations without principle: join the shortest queue. <i>Mathematical Methods of Operations Research</i> , 2005, 62, 467-483.	0.4	7
36	A Strongly Polynomial Algorithm for Controlled Queues. <i>Mathematics of Operations Research</i> , 2009, 34, 992-1007.	0.8	7

#	ARTICLE	IF	CITATIONS
37	Call Admission: A New Approach to Quality of Service. , 2001, 38, 125-148.		6
38	Predicting the impact of measures against P2P networks on the transient behaviors. , 2011, , .		5
39	Operational optimization of wastewater treatment plants: a CMDP based decomposition approach. Annals of Operations Research, 2022, 317, 313-330.	2.6	5
40	Mixed Criteria. Profiles in Operations Research, 2002, , 209-229.	0.3	5
41	Death and discounting. IEEE Transactions on Automatic Control, 2001, 46, 644-647.	3.6	4
42	Explicit Solution for a Network Control Problem in the Large Deviation Regime. Queueing Systems, 2004, 46, 159-176.	0.6	3
43	Uniqueness of a Constrained Variational Problem and Large Deviations of Buffer Size. IEEE Transactions on Automatic Control, 2010, 55, 425-430.	3.6	3
44	On convergence of the cost under adaptive policies. , 1986, , .		2
45	On the risk-sensitive cost for a Markovian multiclass queue with priority. Electronic Communications in Probability, 2014, 19, .	0.1	2
46	Eventually-stationary policies for Markov decision models with non-constant discounting. , 2008, , .		1
47	On random multiple access with unknown interference probabilities. , 1986, , .		0
48	Action Time Sharing Policies for Ergodic Control of Markov Chains. SIAM Journal on Control and Optimization, 2012, 50, 171-195.	1.1	0