

Xianping Guo

List of Publications by Year in descending order

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times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero-sum continuous-time Markov games with unbounded transition and discounted payoff rates. Bernoulli, 2005, 11, .	1.3	52
2	Discounted Continuous-Time Markov Decision Processes with Constraints: Unbounded Transition and Loss Rates. Mathematics of Operations Research, 2011, 36, 105-132.	1.3	49
3	Continuous-Time Controlled Markov Chains with Discounted Rewards. Acta Applicandae Mathematicae, 2003, 79, 195-216.	1.0	34
4	A note on optimality conditions for continuous-time Markov decision processes with average cost criterion. IEEE Transactions on Automatic Control, 2001, 46, 1984-1989.	5.7	32
5	Constrained Optimization for Average Cost Continuous-Time Markov Decision Processes. IEEE Transactions on Automatic Control, 2007, 52, 1139-1143.	5.7	24
6	Existence and Regularity of a Nonhomogeneous Transition Matrix under Measurability Conditions. Journal of Theoretical Probability, 2008, 21, 604-627.	0.8	21
7	Nonzero-sum games for continuous-time Markov chains with unbounded discounted payoffs. Journal of Applied Probability, 2005, 42, 303-320.	0.7	18
8	Equilibrium for a Time-Inconsistent Stochastic Linear-Quadratic Control System with Jumps and Its Application to the Mean-Variance Problem. Journal of Optimization Theory and Applications, 2019, 181, 383-410.	1.5	18
9	Another Set of Conditions for Strong $(\beta, 0)$ Discount Optimality in Markov Decision Processes. Stochastic Analysis and Applications, 2005, 23, 953-974.	1.5	17
10	Optimal risk probability for first passage models in semi-Markov decision processes. Journal of Mathematical Analysis and Applications, 2009, 359, 404-420.	1.0	16
11	Performance Analysis for Controlled Semi-Markov Systems with Application to Maintenance. Journal of Optimization Theory and Applications, 2011, 150, 395-415.	1.5	16
12	Denumerable state continuous time Markov decision processes with unbounded cost and transition rates under average criterion. ANZIAM Journal, 2002, 43, 541-557.	0.2	15
13	The risk probability criterion for discounted continuous-time Markov decision processes. Discrete Event Dynamic Systems: Theory and Applications, 2017, 27, 675-699.	1.5	15
14	Markov Decision Processes with Variance Minimization: A New Condition and Approach. Stochastic Analysis and Applications, 2007, 25, 577-592.	1.5	14
15	Zero-sum games for continuous-time jump Markov processes in Polish spaces: discounted payoffs. Advances in Applied Probability, 2007, 39, 645-668.	0.7	14
16	Mean-Variance Criteria for Finite Continuous-Time Markov Decision Processes. IEEE Transactions on Automatic Control, 2009, 54, 2151-2157.	5.7	13
17	Risk-sensitive continuous-time Markov decision processes with unbounded rates and Borel spaces. Discrete Event Dynamic Systems: Theory and Applications, 2019, 29, 445-471.	1.5	13
18	Minimum risk probability for finite horizon semi-Markov decision processes. Journal of Mathematical Analysis and Applications, 2013, 402, 378-391.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Nonzero-sum games for continuous-time Markov chains with unbounded transition and average payoff rates. <i>Science China Mathematics</i> , 2012, 55, 2405-2416.	1.7	10
20	Unbounded cost Markov decision processes with limsup and liminf average criteria: new conditions. <i>Mathematical Methods of Operations Research</i> , 2005, 61, 469-482.	1.0	9
21	Constrained continuous-time Markov decision processes with average criteria. <i>Mathematical Methods of Operations Research</i> , 2008, 67, 323-340.	1.0	9
22	Nonzero-sum constrained discrete-time Markov games: the case of unbounded costs. <i>Top</i> , 2014, 22, 1074-1102.	1.6	9
23	A minimization problem of the risk probability in first passage semi-Markov decision processes with loss rates. <i>Science China Mathematics</i> , 2015, 58, 1923-1938.	1.7	9
24	New optimality conditions for average-payoff continuous-time Markov games in Polish spaces. <i>Science China Mathematics</i> , 2011, 54, 793-816.	1.7	8
25	Nonstationary discrete-time deterministic and stochastic control systems with infinite horizon. <i>International Journal of Control</i> , 2010, 83, 1751-1757.	1.9	7
26	New Average Optimality Conditions for Semi-Markov Decision Processes in Borel Spaces. <i>Journal of Optimization Theory and Applications</i> , 2012, 153, 709-732.	1.5	7
27	Constrained Markov decision processes with first passage criteria. <i>Annals of Operations Research</i> , 2013, 206, 197-219.	4.1	7
28	Finite-horizon piecewise deterministic Markov decision processes with unbounded transition rates. <i>Stochastics</i> , 2019, 91, 67-95.	1.1	7
29	Risk Probability Minimization Problems for Continuous-Time Markov Decision Processes on Finite Horizon. <i>IEEE Transactions on Automatic Control</i> , 2020, 65, 3199-3206.	5.7	6
30	A New Condition and Approach for Zero-Sum Stochastic Games with Average Payoffs. <i>Stochastic Analysis and Applications</i> , 2008, 26, 537-561.	1.5	5
31	Nonzero-Sum Stochastic Games with Probability Criteria. <i>Dynamic Games and Applications</i> , 2020, 10, 509-527.	1.9	5
32	STRONG AVERAGE OPTIMALITY FOR CONTROLLED NONHOMOGENEOUS MARKOV CHAINS*. <i>Stochastic Analysis and Applications</i> , 2001, 19, 115-134.	1.5	4
33	New sufficient conditions for average optimality in continuous-time Markov decision processes. <i>Mathematical Methods of Operations Research</i> , 2010, 72, 75-94.	1.0	4
34	First passage Markov decision processes with constraints and varying discount factors. <i>Frontiers of Mathematics in China</i> , 2015, 10, 1005-1023.	0.7	4
35	Constrained semi-Markov decision processes with ratio and time expected average criteria in Polish spaces. <i>Optimization</i> , 2015, 64, 1593-1623.	1.7	4
36	Constrained Continuous-Time Markov Decision Processes on the Finite Horizon. <i>Applied Mathematics and Optimization</i> , 2017, 75, 317-341.	1.6	4

#	ARTICLE	IF	CITATIONS
37	A new strong optimality criterion for nonstationary Markov decision processes. <i>Mathematical Methods of Operations Research</i> , 2000, 52, 287-306.	1.0	3
38	Continuous-Time Markov Decision Processes with Unbounded Transition and Discounted-Reward Rates. <i>Stochastic Analysis and Applications</i> , 2008, 26, 209-231.	1.5	3
39	Mean-Variance Problems for Finite Horizon Semi-Markov Decision Processes. <i>Applied Mathematics and Optimization</i> , 2015, 72, 233-259.	1.6	3
40	Infinite Horizon Controlled Diffusions with Randomly Varying and State-Dependent Discount Cost Rates. <i>Journal of Optimization Theory and Applications</i> , 2017, 172, 535-553.	1.5	3
41	Person Nonzero-Sum Games for Continuous-Time Jump Processes With Varying Discount Factors. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 2037-2044.	5.7	3
42	OPTIMAL CONTROL OF STOCHASTIC FLUCTUATIONS IN BIOCHEMICAL REACTIONS. <i>Journal of Biological Systems</i> , 2009, 17, 283-301.	1.4	2
43	Total reward criteria for unconstrained/constrained continuous-time Markov decision processes. <i>Journal of Systems Science and Complexity</i> , 2011, 24, 491-505.	2.8	2
44	Optimality of Mixed Policies for Average Continuous-Time Markov Decision Processes with Constraints. <i>Mathematics of Operations Research</i> , 2016, 41, 1276-1296.	1.3	2
45	Building Up an Illiquid Stock Position Subject to Expected Fund Availability: Optimal Controls and Numerical Methods. <i>Applied Mathematics and Optimization</i> , 2017, 76, 501-533.	1.6	2
46	Convergence of Markov decision processes with constraints and state-action dependent discount factors. <i>Science China Mathematics</i> , 2020, 63, 167-182.	1.7	2
47	Denumerable continuous-time Markov decision processes with multiconstraints on average costs. <i>International Journal of Systems Science</i> , 2012, 43, 576-585.	5.5	1
48	Semi-Markov decision processes with variance minimization criterion. <i>4or</i> , 2015, 13, 59-79.	1.6	1
49	Multiconstrained Finite-Horizon Piecewise Deterministic Markov Decision Processes with Unbounded Transition Rates. <i>Mathematics of Operations Research</i> , 2020, 45, 641-659.	1.3	1
50	Optimal stopping time on discounted semi-Markov processes. <i>Frontiers of Mathematics in China</i> , 2021, 16, 303-324.	0.7	1
51	Optimal dividend problems with a risk probability criterion. <i>Naval Research Logistics</i> , 2022, 69, 421-430.	2.2	1
52	Optimal Stopping Time on Semi-Markov Processes with Finite Horizon. <i>Journal of Optimization Theory and Applications</i> , 2022, 194, 408-439.	1.5	1
53	Discounted Optimality for Continuous-Time Markov Decision Processes in Polish Spaces. , 2006, , .		0
54	Strong n -discount and finite-horizon optimality for continuous-time Markov decision processes. <i>Journal of Systems Science and Complexity</i> , 2014, 27, 1045-1063.	2.8	0

#	ARTICLE	IF	CITATIONS
55	Correction to a proposition related to ergodicity of Markov chains. <i>Frontiers of Mathematics in China</i> , 2021, 16, 801.	0.7	0