The Complexity of Markov Decision Processes

Citation Report

#	Article	IF	Citations
1	On the control of discrete-event dynamical systems. , 1987, , .		6
2	On the control of discrete-event dynamical systems. Mathematics of Control, Signals, and Systems, 1989, 2, 95-107.	1.4	180
3	The complexity of dynamic programming. Journal of Complexity, 1989, 5, 466-488.	0.7	49
4	The control of discrete event systems. Proceedings of the IEEE, 1989, 77, 81-98.	16.4	2,255
5	Supervisory control of discrete-event systems: neural representation. , 0, , .		1
6	Solving H-horizon, stationary Markov decision problems in time proportional to log(H). Operations Research Letters, 1990, 9, 287-297.	0.5	52
7	Randomization in robot tasks. , 0, , .		5
8	An optimal one-way multigrid algorithm for discrete-time stochastic control. IEEE Transactions on Automatic Control, 1991, 36, 898-914.	3.6	109
9	On platers with a bounded number of states. Games and Economic Behavior, 1992, 4, 122-131.	0.4	47
10	Randomization for robot tasks: Using dynamic programming in the space of knowledge states. Algorithmica, 1993, 10, 248-291.	1.0	24
11	Action subservient sensing and design. , 0, , .		5
12	6 Algorithms and complexity for markov processes. Handbook of Statistics, 1993, 9, 169-200.	0.4	0
14	Efficient reinforcement learning. , 1994, , .		35
15	A theory of strict P-completeness. Computational Complexity, 1994, 4, 220-241.	0.2	7
16	A bibliography of heuristic search research through 1992. IEEE Transactions on Systems, Man, and Cybernetics, 1994, 24, 268-293.	0.9	13
17	The evaluation of strategies in motion planning with uncertainty. , 0, , .		3
18	Comparing two algorithms for automatic planning by robots in stochastic environments. Robotica, 1995, 13, 565-573.	1.3	3
19	Learning policies for partially observable environments: Scaling up. , 1995, , 362-370.		306

#	ARTICLE	IF	CITATIONS
20	Efficient algorithms for learning to play repeated games against computationally bounded adversaries. , 0, , .		19
21	Distinguishing tests for nondeterministic and probabilistic machines. , 1995, , .		90
22	Chapter 14 Numerical dynamic programming in economics. Handbook of Computational Economics, 1996, , 619-729.	1.6	129
23	Acting under uncertainty: discrete Bayesian models for mobile-robot navigation. , 0, , .		224
24	The spectral radius of a pair of matrices is hard to compute. , 0, , .		2
25	Stochastic shortest path problems with recourse. Networks, 1996, 27, 133-143.	1.6	160
26	On the complexity of partially observed Markov decision processes. Theoretical Computer Science, 1996, 157, 161-183.	0.5	24
27	Dynamic decision making in stochastic partially observable medical domains: Ischemic heart disease example. Lecture Notes in Computer Science, 1997, , 296-299.	1.0	4
28	The complexity of policy evaluation for finite-horizon partially-observable Markov decision processes. Lecture Notes in Computer Science, 1997, , 129-138.	1.0	7
29	Dealing with the Complexity of Economic Calculations. SSRN Electronic Journal, 1997, , .	0.4	14
30	The Lyapunov exponent and joint spectral radius of pairs of matrices are hard?when not impossible?to compute and to approximate. Mathematics of Control, Signals, and Systems, 1997, 10, 31-40.	1.4	226
31	Evaluation, existence and optimization of reactive strategies in motion planning with uncertainty. Expert Systems With Applications, 1997, 12, 147-152.	4.4	0
32	k-Certainty Exploration Method: an action selector to identify the environment in reinforcement learning. Artificial Intelligence, 1997, 91, 155-171.	3.9	27
33	When is a pair of matrices mortal?. Information Processing Letters, 1997, 63, 283-286.	0.4	63
34	Model-based learning of interaction strategies in multi-agent systems. Journal of Experimental and Theoretical Artificial Intelligence, 1998, 10, 309-332.	1.8	31
35	Complexity issues in Markov decision processes. , 0, , .		5
36	State aggregation for solving Markov decision problems an application to mobile robotics. , 0, , .		2
37	Reinforcement learning and mistake bounded algorithms. , 1999, , .		1

#	Article	IF	Citations
38	Mobile robotics planning using abstract Markov decision processes. , 0, , .		7
39	Complexity of stability and controllability of elementary hybrid systems. Automatica, 1999, 35, 479-489.	3.0	178
40	Exploration Strategies for Model-based Learning in Multi-agent Systems: Exploration Strategies. Autonomous Agents and Multi-Agent Systems, 1999, 2, 141-172.	1.3	36
41	Constrained Discounted Markov Decision Processes and Hamiltonian Cycles. Mathematics of Operations Research, 2000, 25, 130-140.	0.8	62
42	The Complexity of Optimal Small Policies. Mathematics of Operations Research, 2000, 25, 118-129.	0.8	4
43	The LP/POMDP marriage: Optimization with imperfect information. Naval Research Logistics, 2000, 47, 607-619.	1.4	18
44	A survey of computational complexity results in systems and control. Automatica, 2000, 36, 1249-1274.	3.0	633
45	Planning treatment of ischemic heart disease with partially observable Markov decision processes. Artificial Intelligence in Medicine, 2000, 18, 221-244.	3.8	107
46	Complexity of finite-horizon Markov decision process problems. Journal of the ACM, 2000, 47, 681-720.	1.8	135
47	Building efficient partial plans using Markov decision processes. , 0, , .		2
48	A new decomposition technique for solving Markov decision processes. , 2001, , .		5
49	Hidden Markov model multiarm bandits: a methodology for beam scheduling in multitarget tracking. IEEE Transactions on Signal Processing, 2001, 49, 2893-2908.	3.2	99
50	Stochastic Boolean Satisfiability. Journal of Automated Reasoning, 2001, 27, 251-296.	1.1	76
51	Sequence Learning. Lecture Notes in Computer Science, 2001, , .	1.0	20
52	GraphMDP: A NEW DECOMPOSITION TOOL FOR SOLVING MARKOV DECISION PROCESSES. International Journal on Artificial Intelligence Tools, 2001, 10, 325-343.	0.7	3
53	Communication decisions in multi-agent cooperation. , 2001, , .		129
55	The Complexity of Decentralized Control of Markov Decision Processes. Mathematics of Operations Research, 2002, 27, 819-840.	0.8	593
56	State aggregation in Markov decision processes. , 0, , .		22

#	ARTICLE	IF	CITATIONS
57	Reinforcement Learning Agents. Artificial Intelligence Review, 2002, 17, 223-250.	9.7	35
58	Undecidable Problems for Probabilistic Automata of Fixed Dimension. Theory of Computing Systems, 2003, 36, 231-245.	0.7	63
59	Solving factored MDPs using non-homogeneous partitions. Artificial Intelligence, 2003, 147, 225-251.	3.9	4
60	On the undecidability of probabilistic planning and related stochastic optimization problems. Artificial Intelligence, 2003, 147, 5-34.	3.9	147
61	On probabilistic timed automata. Theoretical Computer Science, 2003, 292, 65-84.	0.5	71
62	Formalizing multi-agent POMDP's in the context of network routing. , 2003, , .		5
63	WHEN PLANS DISTINGUISH BAYES NETS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2003, 11, 1-24.	0.9	1
64	Constructing optimal policies for agents with constrained architectures. , 2003, , .		6
65	Transition-independent decentralized markov decision processes. , 2003, , .		60
66	A framework for handling malfunction agents. , 0, , .		2
67	FDMS with Q-Learning: A Neuro-Fuzzy Approach to Partially Observable Markov Decision Problems. International Journal of Advanced Robotic Systems, 2004, 1, 27.	1.3	0
68	Improved Q_{MDP} Policy for Partially Observable Markov Decision Processes in Large Domains: Embedding Exploration Dynamics. Intelligent Automation and Soft Computing, 2004, 10, 209-220.	1.6	4
69	Robust motion planning using Markov decision processes and quadtree decomposition. , 2004, , .		15
70	APPLICATION OF MARKOV DECISION PROCESSES TO THE FREQUENCY ASSIGNMENT PROBLEM. Applied Artificial Intelligence, 2004, 18, 761-773.	2.0	8
71	Feedback Control Applied to Survivability: A Host-Based Autonomic Defense System. IEEE Transactions on Reliability, 2004, 53, 148-166.	3.5	57
72	A Human–Robot Cooperative Learning System for Easy Installation of Assistant Robots in New Working Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2004, 40, 233-265.	2.0	17
73	Dynamic workflow composition using Markov decision processes. , 2004, , .		47
74	Test-Cost Sensitive Naive Bayes Classification. , 0, , .		34

#	ARTICLE	IF	CITATIONS
75	Robust Model-based Execution of Critical Spacecraft Sequences. , 2004, , .		2
76	A point-based POMDP algorithm for robot planning. , 2004, , .		73
77	Cooperative Multi-Agent Learning: The State of the Art. Autonomous Agents and Multi-Agent Systems, 2005, 11, 387-434.	1.3	839
78	A Navigation System for Assistant Robots Using Visually Augmented POMDPs. Autonomous Robots, 2005, 19, 67-87.	3.2	25
79	Dynamic Workflow Composition. International Journal of Web Services Research, 2005, 2, 1-17.	0.5	76
81	Reasoning about joint beliefs for execution-time communication decisions. , 2005, , .		36
82	An online POMDP algorithm for complex multiagent environments. , 2005, , .		37
83	Decentralized stochastic decision problems and polynomial optimization. , 0, , .		4
84	Planning with Continuous Actions in Partially Observable Environments. , 0, , .		2
85	Robust navigation using Markov models. , 2005, , .		3
86	Opportunistic performance enhancement of reservation multiple access protocols of wireless broadband networks. , 0, , .		3
87	Efficient Control of Information Flow for Distributed Multisensor Fusion Using Markov Decision Processes. , 2006, , .		3
88	Simulationâ€based Uniform Value Function Estimates of Markov Decision Processes. SIAM Journal on Control and Optimization, 2006, 45, 1633-1656.	1.1	13
90	Strong planning under partial observability. Artificial Intelligence, 2006, 170, 337-384.	3.9	46
91	Decentralized planning under uncertainty for teams of communicating agents. , 2006, , .		32
92	POMDP-Based Coding Rate Adaptation for Type-I Hybrid ARQ Systems over Fading Channels with Memory. IEEE Transactions on Wireless Communications, 2006, 5, 3512-3523.	6.1	29
93	Q-value functions for decentralized POMDPs. , 2007, , .		12
94	Goal directed navigation with uncertainty in adversary locations. , 2007, , .		8

#	Article	IF	Citations
95	Oracular Partially Observable Markov Decision Processes: A Very Special Case. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	14
96	Supporting Multiple User Types with a Multimodal Dialog Agent. , 2007, , .		0
97	LEARNING TO COORDINATE IN TOPOLOGICAL NAVIGATION TASKS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 37-42.	0.4	2
98	A Concise Introduction to Multiagent Systems and Distributed Artificial Intelligence. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2007, 1, 1-71.	0.6	82
99	Hierarchical markov decision processes based distributed data fusion and collaborative sensor management for multitarget multisensor tracking applications. , 2007, , .		10
100	Transmission Scheduling for Optimizing Sensor Network Lifetime: A Stochastic Shortest Path Approach. IEEE Transactions on Signal Processing, 2007, 55, 2294-2309.	3.2	118
101	Collaborative distributed data fusion architecture using multi-level Markov decision processes. , 2007, , .		2
102	Supporting Multiple User Types with a Multimodal Dialog Agent. , 2007, , .		0
103	Structured Threshold Policies for Dynamic Sensor Scheduling—A Partially Observed Markov Decision Process Approach. IEEE Transactions on Signal Processing, 2007, 55, 4938-4957.	3.2	96
104	Global Navigation of Assistant Robots using Partially Observable Markov Decision Processes. , 0, , .		0
106	Partially observable Markov decision processes with imprecise parameters. Artificial Intelligence, 2007, 171, 453-490.	3.9	36
107	Selecting treatment strategies with dynamic limited-memory influence diagrams. Artificial Intelligence in Medicine, 2007, 40, 171-186.	3.8	15
108	Cost-sensitive feature acquisition and classification. Pattern Recognition, 2007, 40, 1474-1485.	5.1	115
109	Formal models and algorithms for decentralized decision making under uncertainty. Autonomous Agents and Multi-Agent Systems, 2008, 17, 190-250.	1.3	116
110	New complexity results about Nash equilibria. Games and Economic Behavior, 2008, 63, 621-641.	0.4	136
111	A Markov Decision Problem Approach to Goal Attainment. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 116-132.	3.4	16
112	Stochastic model predictive control of time-variant nonlinear systems with imperfect state information. , 2008, , .		9
113	Rate Adaptation Using Acknowledgement Feedback: Throughput Upper Bounds. , 2008, , .		0

#	Article	IF	Citations
114	An approximate algorithm for solving oracular POMDPs. , 2008, , .		1
115	A point-based POMDP planner for target tracking. , 2008, , .		46
116	Information value-driven approach to path clearance with multiple scout robots. , 2008, , .		1
118	Robust Navigation using Markov Models. International Journal of Advanced Robotic Systems, 2008, 5, 15.	1.3	0
119	Automated planning for remote penetration testing. , 2009, , .		7
120	Polynomial-time solution of change detection problems. , 2009, , .		0
121	A decision-theoretic formalism for belief-optimal reasoning. , 2009, , .		0
122	OPTIMAL CONTROL OF STOCHASTIC FLUCTUATIONS IN BIOCHEMICAL REACTIONS. Journal of Biological Systems, 2009, 17, 283-301.	0.5	2
123	Path Clearance. IEEE Robotics and Automation Magazine, 2009, 16, 62-72.	2.2	5
124	Learning and planning in environments with delayed feedback. Autonomous Agents and Multi-Agent Systems, 2009, 18, 83-105.	1.3	37
125	Probabilistic planning with clear preferences on missing information. Artificial Intelligence, 2009, 173, 696-721.	3.9	22
126	OFDMA downlink resource allocation via ARQ feedback. , 2009, , .		6
127	Statistic Analysis for Probabilistic Processes. , 2009, , .		6
128	Rate adaptation via link-layer feedback for goodput maximization over a time-varying channel. IEEE Transactions on Wireless Communications, 2009, 8, 4276-4285.	6.1	24
129	Rate adaptation using acknowledgement feedback in finite-state markov channels with collisions. IEEE Transactions on Wireless Communications, 2009, 8, 3226-3239.	6.1	8
130	A New Interpolation Scheme in Grid-Based Approximation for POMDPs. , 2009, , .		1
131	Medical decision making for patients with Parkinson disease under Average Cost Criterion. Australia and New Zealand Health Policy, 2009, 6, 15.	2.2	10
132	Endangered Seabird Habitat Management as a Partially Observable Markov Decision Process. Marine Resource Economics, 2010, 25, 93-104.	1.1	14

#	Article	IF	Citations
133	Partially observable Markov decision model for the treatment of early Prostate Cancer. Opsearch, 2010, 47, 105-117.	1.1	2
134	Measurement Scheduling for Soil Moisture Sensing: From Physical Models to Optimal Control. Proceedings of the IEEE, 2010, 98, 1918-1933.	16.4	27
135	Decision Making Under Uncertainty: A Neural Model Based on Partially Observable Markov Decision Processes. Frontiers in Computational Neuroscience, 2010, 4, 146.	1.2	156
136	Exact Decomposition Approaches for Markov Decision Processes: A Survey. Advances in Operations Research, 2010, 2010, 1-19.	0.2	14
137	On the Topology of Discrete Strategies. International Journal of Robotics Research, 2010, 29, 855-896.	5.8	9
138	A dynamic programming algorithm for decentralized Markov decision processes with a broadcast structure. , 2010, , .		15
139	Dynamic Control of Data Ferries under Partial Observations. , 2010, , .		26
140	Whittle-indexability of the Cow Path Problem. , 2010, , .		4
141	Planning under Uncertainty for Robotic Tasks with Mixed Observability. International Journal of Robotics Research, 2010, 29, 1053-1068.	5.8	151
142	TASK-ORIENTED PROBABILISTIC ACTIVE VISION. International Journal of Humanoid Robotics, 2010, 07, 451-476.	0.6	4
143	Analysis of a Markov decision process model for intrusion tolerance. , 2010, , .		8
144	Throughput/energy aware opportunistic transmission control in broadcast networks. , 2010, , .		0
145	Motion planning and control from temporal logic specifications with probabilistic satisfaction guarantees. , 2010, , .		67
146	Discounted deterministic Markov decision processes and discounted all-pairs shortest paths. ACM Transactions on Algorithms, 2010, 6, 1-25.	0.9	12
147	Partially Observable Markov Decision Processes: A Geometric Technique and Analysis. Operations Research, 2010, 58, 214-228.	1.2	38
148	Social Robotics. Lecture Notes in Computer Science, 2010, , .	1.0	1
149	Quickest Detection in Multiple On–Off Processes. IEEE Transactions on Signal Processing, 2010, 58, 5994-6006.	3.2	49
150	Active Temperature Programming for Metal-Oxide Chemoresistors. IEEE Sensors Journal, 2010, 10, 1075-1082.	2.4	42

#	ARTICLE	IF	CITATIONS
151	A Closer Look at MOMDPs. , 2010, , .		21
152	Stationary policies with Markov partition property. Journal of Statistics and Management Systems, 2010, 13, 1323-1341.	0.3	1
153	A linear programming approach for probabilistic robot path planning with missing information of outcomes. , 2011, , .		1
154	Optimal probabilistic robot path planning with missing information. , 2011, , .		1
156	General rules for managing and surveying networks of pests, diseases, and endangered species. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8323-8328.	3.3	177
157	Wide-Band Collaborative Spectrum Search Strategy for Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2011, 59, 3903-3914.	3.2	6
158	Valuating surface surveillance technology for collaborative multiple-spot control of airport departure operations. , 2011, , .		2
159	Relay Scheduling for Cooperative Communications in Sensor Networks with Energy Harvesting. IEEE Transactions on Wireless Communications, 2011, 10, 2918-2928.	6.1	102
160	How Computer Networks Can Become Smart. , 2011, , .		0
161	Application of Streaming Algorithms and DFA Learning for Approximating Solutions to Problems in Robot Navigation. , 0, , .		0
162	Event-Based Optimization for POMDPs and Its Application in Portfolio Management. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3228-3233.	0.4	10
163	Application of a General Index Heuristic to Road Surveillance using Multiple UAVs. , 2011, , .		0
164	Robust Performance Evaluation of POMDP-Based Dialogue Systems. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1029-1040.	3.8	12
165	Bayesian Sequential Detection With Phase-Distributed Change Time and Nonlinear Penaltyâ€"A POMDP Lattice Programming Approach. IEEE Transactions on Information Theory, 2011, 57, 7096-7124.	1.5	48
166	Using mathematical programming to solve Factored Markov Decision Processes with Imprecise Probabilities. International Journal of Approximate Reasoning, 2011, 52, 1000-1017.	1.9	6
167	The influence of random interactions and decision heuristics on norm evolution in social networks. Computational and Mathematical Organization Theory, 2011, 17, 152-178.	1.5	15
168	A Modified Memory-Based Reinforcement Learning Method for Solving POMDP Problems. Neural Processing Letters, 2011, 33, 187-200.	2.0	6
169	Decentralized MDPs with sparse interactions. Artificial Intelligence, 2011, 175, 1757-1789.	3.9	60

#	ARTICLE	IF	CITATIONS
170	Dispatch-and-search. , 2011, , .		6
171	PARTIALLY OBSERVABLE MARKOV DECISION PROCESSES AND PERIODIC POLICIES WITH APPLICATIONS. International Journal of Information Technology and Decision Making, 2011, 10, 1175-1197.	2.3	1
172	Evolving policies for multi-reward partially observable markov decision processes (MR-POMDPs). , 2011, , .		17
173	Evaluating and minimizing ambiguities in qualitative route instructions. , 2011, , .		13
175	Modeling humans as observation providers using POMDPs. , 2011, , .		18
176	LQG-MP: Optimized path planning for robots with motion uncertainty and imperfect state information. International Journal of Robotics Research, 2011, 30, 895-913.	5.8	271
177	Dynamic pricing under binary demand uncertainty: A multi-armed bandit with correlated arms. , 2011, , .		6
178	The Simplex and Policy-Iteration Methods Are Strongly Polynomial for the Markov Decision Problem with a Fixed Discount Rate. Mathematics of Operations Research, 2011, 36, 593-603.	0.8	100
179	Accounting for State Uncertainty in Collision Avoidance. Journal of Guidance, Control, and Dynamics, 2011, 34, 951-960.	1.6	43
180	Probabilistic Ï‰-automata. Journal of the ACM, 2012, 59, 1-52.	1.8	44
181	On the Computational Complexity of Stochastic Controller Optimization in POMDPs. ACM Transactions on Computation Theory, 2012, 4, 1-8.	0.4	26
182	Quantitative access control with partially-observable Markov decision processes. , 2012, , .		13
183	Smart recommendation by mining large-scale GPS traces. , 2012, , .		17
184	Control of probabilistic systems under dynamic, partially known environments with temporal logic specifications. , 2012, , .		28
185	Motion planning under uncertainty using iterative local optimization in belief space. International Journal of Robotics Research, 2012, 31, 1263-1278.	5.8	215
186	Robust Rate-Adaptive Wireless Communication Using ACK/NAK-Feedback. IEEE Transactions on Signal Processing, 2012, 60, 1752-1765.	3.2	7
187	Joint Scheduling and Resource Allocation in OFDMA Downlink Systems Via ACK/NAK Feedback. IEEE Transactions on Signal Processing, 2012, 60, 3217-3227.	3.2	5
188	Non-Gaussian belief space planning: Correctness and complexity. , 2012, , .		13

#	ARTICLE	IF	CITATIONS
189	Automatic Algorithm Selection for Complex Simulation Problems. , 2012, , .		9
190	Robust mobility in human-populated environments. , 2012, , .		1
191	Evaluation of usability utilizing Markov models. Interactive Technology and Smart Education, 2012, 9, 100-111.	3.8	0
192	Planning with Markov Decision Processes: An AI Perspective. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2012, 6, 1-210.	0.6	53
193	Partially Observable Markov Decision Processes. Adaptation, Learning, and Optimization, 2012, , 387-414.	0.5	110
194	Localized policy-based target tracking using wireless sensor networks. ACM Transactions on Sensor Networks, 2012, 8, 1-30.	2.3	53
195	Global motion planning under uncertain motion, sensing, and environment map. Autonomous Robots, 2012, 33, 255-272.	3.2	59
196	Partial-Observation Stochastic Games: How to Win When Belief Fails. , 2012, , .		16
197	Information Flow Control for Collaborative Distributed Data Fusion and Multisensor Multitarget Tracking. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 501-517.	3.3	13
198	Driving force planning in shield tunneling based on Markov decision processes. Science China Technological Sciences, 2012, 55, 1022-1030.	2.0	11
199	Bayesian-Game-Based Fuzzy Reinforcement Learning Control for Decentralized POMDPs. IEEE Transactions on Games, 2012, 4, 309-328.	1.7	15
200	LQG-obstacles: Feedback control with collision avoidance for mobile robots with motion and sensing uncertainty. , 2012, , .		59
201	Dynamic Activation Policies for Event Capture with Rechargeable Sensors. , 2012, , .		12
202	Which States Matter? An Application of an Intelligent Discretization Method to Solve a Continuous POMDP in Conservation Biology. PLoS ONE, 2012, 7, e28993.	1.1	20
203	Sensor Selection and Chemo-Sensory Optimization: Toward an Adaptable Chemo-Sensory System. Frontiers in Neuroengineering, 2011, 4, 19.	4.8	19
204	A Model-Driven Instructional Strategy. , 0, , 303-317.		2
205	Decision Making in Complex Multiagent Contexts: A Tale of Two Frameworks. AI Magazine, 2012, 33, 82-95.	1.4	6
206	Cross-Layer Power Allocation for Packet Transmission Over Fading Channel. Wireless Personal Communications, 2012, 65, 617-642.	1.8	1

#	ARTICLE	IF	CITATIONS
207	The partially observable Markov decision processes in healthcare: an application to patients with ischemic heart disease (IHD). Operational Research, 2012, 12, 3-14.	1.3	7
208	Exploiting symmetries for single- and multi-agent Partially Observable Stochastic Domains. Artificial Intelligence, 2012, 182-183, 32-57.	3.9	5
209	A mean–variance optimization problem for discounted Markov decision processes. European Journal of Operational Research, 2012, 220, 423-429.	3.5	19
210	Dynamic traffic splitting to parallel wireless networks with partial information: A Bayesian approach. Performance Evaluation, 2012, 69, 41-52.	0.9	5
211	A survey of stochastic Ï‰-regular games. Journal of Computer and System Sciences, 2012, 78, 394-413.	0.9	86
212	Energy-Efficient Context Classification With Dynamic Sensor Control. IEEE Transactions on Biomedical Circuits and Systems, 2012, 6, 167-178.	2.7	10
213	Survey of Motion Planning Literature in the Presence of Uncertainty: Considerations for UAV Guidance. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 65, 233-246.	2.0	120
214	Information–Sensitive Replenishment when Inventory Records Are Inaccurate. Production and Operations Management, 2013, 22, 792-810.	2.1	42
215	Energy–efficient cross–layer design of dynamic rate and power allocation techniques for cognitive green radio networks. Transactions on Emerging Telecommunications Technologies, 2013, 24, 762-776.	2.6	7
216	Modeling information exchange opportunities for effective human–computer teamwork. Artificial Intelligence, 2013, 195, 528-550.	3.9	14
217	A simple index rule for efficient traffic splitting over parallel wireless networks with partial information. Performance Evaluation, 2013, 70, 889-899.	0.9	3
218	Intrinsically Motivated Learning in Natural and Artificial Systems. , 2013, , .		105
219	Optimal Spectrum Access for Energy Harvesting Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2013, 12, 6166-6179.	6.1	121
220	Solving decentralized POMDP problems using genetic algorithms. Autonomous Agents and Multi-Agent Systems, 2013, 27, 161-196.	1.3	13
222	On the Optimal Scheduling of Independent, Symmetric and Time-Sensitive Tasks. IEEE Transactions on Automatic Control, 2013, 58, 2421-2425.	3.6	7
223	Planning with approximate preferences and its application to disambiguating human intentions in navigation. , 2013, , .		3
224	How to Schedule Measurements of a Noisy Markov Chain in Decision Making?. IEEE Transactions on Information Theory, 2013, 59, 4440-4461.	1.5	17
225	Efficient touch based localization through submodularity. , 2013, , .		37

#	Article	IF	Citations
226	Autonomous exploration of large-scale benthic environments. , 2013, , .		15
227	Automated model approximation for robotic navigation with POMDPs. , 2013, , .		10
228	Energy-Efficient Relaying over Multiple Slots with Causal CSI. IEEE Journal on Selected Areas in Communications, 2013, 31, 1494-1505.	9.7	5
229	On the complexity of model checking interval-valued discrete time Markov chains. Information Processing Letters, 2013, 113, 210-216.	0.4	32
230	Optimal eviction policies for stochastic address traces. Theoretical Computer Science, 2013, 514, 36-60.	0.5	1
231	QoEâ€"aware optimization of multimedia flow scheduling. Computer Communications, 2013, 36, 1629-1638.	3.1	13
232	Active temperature modulation of metal-oxide sensors for quantitative analysis of gas mixtures. Sensors and Actuators B: Chemical, 2013, 185, 201-210.	4.0	49
235	Police Patrol Optimization With Security Level Functions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2013, 43, 1042-1051.	5.9	7
236	Decentralized control of partially observable Markov decision processes. , 2013, , .		67
237	Smart Management of Multiple Energy Systems in Automotive Painting Shop. IEEE Transactions on Automation Science and Engineering, 2013, 10, 603-614.	3.4	14
238	Manipulation planning using model-based belief dynamics. , 2013, , .		2
239	Incorporating Bayesian Networks in Markov Decision Processes. Journal of Infrastructure Systems, 2013, 19, 415-424.	1.0	11
240	Ergodic Control and Polyhedral Approaches to PageRank Optimization. IEEE Transactions on Automatic Control, 2013, 58, 134-148.	3.6	33
241	Probabilistic online POMDP decision making for lane changes in fully automated driving. , 2013, , .		110
242	On the structure of decentralized controllers in networked MDPs. , 2013, , .		0
243	Interactive non-prehensile manipulation for grasping via POMDPs. , 2013, , .		18
244	Planning how to learn. , 2013, , .		10
245	A direct algorithm for joint optimal sensor scheduling and MAP state estimation for hidden Markov models. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
246	Sigma hulls for Gaussian belief space planning for imprecise articulated robots amid obstacles. , 2013, , .		29
247	Bayesian congestion control over a Markovian network bandwidth process. , 2013, , .		3
249	Optimal control of partially observable discrete time stochastic hybrid systems for safety specifications. , 2013, , .		15
250	Sampling-based algorithms for continuous-time POMDPs. , 2013, , .		9
251	Decentralized multi-robot cooperation with auctioned POMDPs. International Journal of Robotics Research, 2013, 32, 650-671.	5.8	83
252	GPU-based motion planning under uncertainties using POMDP. , 2013, , .		8
253	The simplex method is strongly polynomial for deterministic Markov decision processes. , 2013, , .		3
254	Optimal Maintenance Policies for Automated Demand Response Devices. SSRN Electronic Journal, 2014, , .	0.4	0
255	Towards common-sense reasoning via conditional simulation: legacies of Turing in Artificial Intelligence. , 2014, , 195-252.		2
257	A connectionist actor-critic algorithm for faster learning and biological plausibility. , 2014, , .		3
258	Continuous real time POMCP to find-and-follow people by a humanoid service robot. , 2014, , .		17
259	Navigation for autonomous robots in partially observable facilities. , 2014, , .		0
260	A Novel Scheduling Index Rule Proposal for QoE Maximization in Wireless Networks. Abstract and Applied Analysis, 2014, 2014, 1-14.	0.3	2
261	An Argument for the Bayesian Control of Partially Observable Markov Decision Processes. IEEE Transactions on Automatic Control, 2014, 59, 2796-2800.	3.6	4
262	Dynamic Activation Policies for Event Capture in Rechargeable Sensor Network. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3124-3134.	4.0	13
263	Motion planning under uncertainty for medical needle steering using optimization in belief space. , 2014, 2014, 1775-1781.		6
264	Multi-altitude multi-sensor fusion framework for AUV exploration and survey. , 2014, , .		2
265	Empirical policy iteration for approximate dynamic programming. , 2014, , .		0

#	Article	IF	Citations
266	Learning manipulative skills using a POMDP framework. , 2014, , .		0
267	Partial-Observation Stochastic Games. ACM Transactions on Computational Logic, 2014, 15, 1-44.	0.7	23
268	Sensor-based, task-constrained motion generation under uncertainty. , 2014, , .		1
269	Decentralized cooperation of multiple UAS for multi-target surveillance under uncerties. , 2014, , .		10
270	Online parameter estimation via real-time replanning of continuous Gaussian POMDPs. , 2014, , .		10
271	FIRM: Sampling-based feedback motion-planning under motion uncertainty and imperfect measurements. International Journal of Robotics Research, 2014, 33, 268-304.	5.8	168
272	Valuating Surface Surveillance Technology for Collaborative Multiple-Spot Control of Airport Departure Operations. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 710-722.	4.7	4
273	PageRank optimization by edge selection. Discrete Applied Mathematics, 2014, 169, 73-87.	0.5	35
274	Reliable Spectrum Sensing and Opportunistic Access in Network-Coded Communications. IEEE Journal on Selected Areas in Communications, 2014, 32, 400-410.	9.7	21
275	Scenario Reduction for Probabilistic Robot Path Planning in the Presence of Preferences on Hidden States. Arabian Journal for Science and Engineering, 2014, 39, 2909-2928.	1.1	0
276	Partial-Information State-Based Optimization of Partially Observable Markov Decision Processes and the Separation Principle. IEEE Transactions on Automatic Control, 2014, 59, 921-936.	3.6	17
277	A framework for learning and planning against switching strategies in repeated games. Connection Science, 2014, 26, 103-122.	1.8	10
278	Markovianâ€based framework for cooperative channel selection in cognitive radio networks. IET Communications, 2014, 8, 2458-2468.	1.5	7
279	Improving a simulated soccer team's performance through a Memory-Based Collaborative Filtering approach. Applied Soft Computing Journal, 2014, 23, 180-193.	4.1	10
280	Quantum partially observable Markov decision processes. Physical Review A, 2014, 90, .	1.0	36
281	Hybrid Answer Set Programming. Annals of Pure and Applied Logic, 2014, 165, 134-163.	0.3	0
282	Automation in Handling Uncertainty in Semantic-knowledge based Robotic Task-planning by Using Markov Logic Networks. Procedia Computer Science, 2014, 35, 1023-1032.	1.2	4
283	Interactive Sensing and Decision Making in Social Networks. Foundations and Trends in Signal Processing, 2014, 7, 1-196.	12.0	38

#	Article	IF	Citations
284	Error detection and surprise in stochastic robot actions. , 2015, , .		4
285	Myopic Bounds for Optimal Policy of POMDPs: An Extension of Lovejoyâ€™s Structural Results. Operations Research, 2015, 63, 428-434.	1.2	5
287	Data-Driven Percentile Optimization for Multi-Class Queueing Systems with Model Ambiguity: Theory and Application. SSRN Electronic Journal, 0, , .	0.4	1
288	Dynamic Integration of Value Information into a Common Probability Currency as a Theory for Flexible Decision Making. PLoS Computational Biology, 2015, 11, e1004402.	1.5	30
289	Retail Supply Chain Management. Profiles in Operations Research, 2015, , .	0.3	12
290	POMDPs under probabilistic semantics. Artificial Intelligence, 2015, 221, 46-72.	3.9	8
291	An empirical algorithm for relative value iteration for average-cost MDPs. , 2015, , .		8
292	Tracking of real-valued Markovian random processes with asymmetric cost and observation. , 2015, , .		2
293	Low latency policy iteration via parallel processing and randomization. , 2015, , .		1
294	MPDM: Multipolicy decision-making in dynamic, uncertain environments for autonomous driving. , 2015, , .		75
295	Towards information-theoretic decision making in a conservative information space. , 2015, , .		5
296	Touch based POMDP manipulation via sequential submodular optimization. , 2015, , .		3
297	Optimal sensing via multi-armed bandit relaxations in mixed observability domains. , 2015, , .		3
298	Qualitative analysis of POMDPs with temporal logic specifications for robotics applications. , 2015, , .		31
299	Towards multi-robot active collaborative state estimation via belief space planning. , 2015, , .		7
300	Robot plans execution for information gathering tasks with resources constraints. , 2015, , .		0
301	Novel retransmission scheme for energy harvesting transmitter and receiver. , 2015, , .		11
302	A Theoretical Analysis of Two-Stage Recommendation for Cold-Start Collaborative Filtering. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
303	Multi-Agent-Based Simulation XV. Lecture Notes in Computer Science, 2015, , .	1.0	1
304	Concurrent Markov decision processes for robot team learning. Engineering Applications of Artificial Intelligence, 2015, 39, 223-234.	4.3	14
305	The Simplex Method is Strongly Polynomial for Deterministic Markov Decision Processes. Mathematics of Operations Research, 2015, 40, 859-868.	0.8	10
306	Analytics for Operational Visibility in the Retail Store: The Cases of Censored Demand and Inventory Record Inaccuracy. Profiles in Operations Research, 2015, , 79-112.	0.3	28
307	Markov Decision Processes With Applications in Wireless Sensor Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 1239-1267.	24.8	154
309	Signal Source Localization Using Partially Observable Markov Decision Processes. , 2015, , .		1
310	Extending the Applicability of POMDP Solutions to Robotic Tasks. IEEE Transactions on Robotics, 2015, 31, 948-961.	7.3	25
311	Expectation-maximization for Bayes-adaptive POMDPs. Journal of the Operational Research Society, 2015, 66, 1605-1623.	2.1	2
312	Online Task Planning and Control for Aerial Robots with Fuel Constraints in Winds. Springer Tracts in Advanced Robotics, 2015, , 711-727.	0.3	2
313	Temporal logic motion planning using POMDPs with parity objectives. , 2015, , .		11
314	3D-belief space planning for underwater mobile grasping. , 2015, , .		0
315	Cooperative Mission Planning for Multi-UAV Teams. , 2015, , 1447-1490.		44
316	Scalable solutions of interactive POMDPs using generalized and bounded policy iteration. Autonomous Agents and Multi-Agent Systems, 2015, 29, 455-494.	1.3	8
317	Robot Task Planning in Deterministic and Probabilistic Conditions Using Semantic Knowledge Base. International Journal of Knowledge and Systems Science, 2016, 7, 56-77.	0.5	7
318	Intention-Aware Autonomous Driving Decision-Making in an Uncontrolled Intersection. Mathematical Problems in Engineering, 2016, 2016, 1-15.	0.6	69
319	Range Searching. , 2016, , 1767-1771.		0
320	Spectrum Management for Proactive Video Caching in Information-Centric Cognitive Radio Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 2247-2259.	9.7	31
321	Solving Influence Problems on the DeGroot Model with a Probabilistic Model Checking Tool. , 2016, , .		2

#	Article	IF	Citations
322	Control in belief space with Temporal Logic specifications. , 2016, , .		23
323	UAV based target finding and tracking in GPS-denied and cluttered environments. , 2016, , .		17
324	Multi-robot decentralized belief space planning in unknown environments via efficient re-evaluation of impacted paths. , 2016, , .		13
326	Group decision making and social learning. , 2016, , .		2
327	What is decidable about partially observable Markov decision processes with Ï‰-regular objectives. Journal of Computer and System Sciences, 2016, 82, 878-911.	0.9	37
328	Radiocoloring in Planar Graphs. , 2016, , 1725-1728.		0
329	R-Trees. , 2016, , 1884-1887.		0
330	Robust Control of Partially Observable Failing Systems. Operations Research, 2016, 64, 999-1014.	1.2	15
331	High-Performance Intrusion Response Planning on Many-Core Architectures. , 2016, , .		10
332	Uncertainty based online planning for UAV target finding in cluttered and GPS-denied environments. , 2016, , .		18
333	Reducing Bayesian Mechanism Design to Algorithm Design. , 2016, , 1801-1808.		0
334	Planning for robotic exploration based on forward simulation. Robotics and Autonomous Systems, 2016, 83, 15-31.	3.0	68
335	Registers. , 2016, , 1808-1812.		0
337	Reverse Search; Enumeration Algorithms. , 2016, , 1840-1842.		1
338	Robust Bin Packing. , 2016, , 1858-1860.		0
339	Decision-making of UAV for tracking moving target via information geometry. , 2016, , .		3
340	Revenue Monotone Auctions. , 2016, , 1824-1839.		0
341	A genetic algorithm for the arrival probability in the stochastic networks. SpringerPlus, 2016, 5, 675.	1.2	2

#	Article	IF	Citations
342	Feedback motion planning under non-Gaussian uncertainty and non-convex state constraints. , 2016, , .		9
343	A Concise Introduction to Decentralized POMDPs. SpringerBriefs in Intelligent Systems, 2016, , .	1.0	304
344	Rumor Blocking. , 2016, , 1887-1892.		3
345	Quantitative verification and strategy synthesis for stochastic games. European Journal of Control, 2016, 30, 15-30.	1.6	31
346	Massively parallel motion planning algorithms under uncertainty using POMDP. International Journal of Robotics Research, 2016, 35, 928-942.	5.8	12
347	Rank and Select Operations on Bit Strings. , 2016, , 1772-1775.		1
348	Rank and Select Operations on Sequences. , 2016, , 1776-1780.		2
349	POMDP-lite for robust robot planning under uncertainty. , 2016, , .		26
350	A Near-Optimal Maintenance Policy for Automated DR Devices. IEEE Transactions on Smart Grid, 2016, 7, 1411-1419.	6.2	9
351	Approximation Algorithms for Stochastic Combinatorial Optimization Problems. Journal of the Operations Research Society of China, 2016, 4, 1-47.	0.9	9
352	Algorithmic and Strategic Aspects to Integrating Demand-Side Aggregation and Energy Management Methods. IEEE Transactions on Smart Grid, 2016, 7, 2748-2760.	6.2	51
353	Optimal cost almost-sure reachability in POMDPs. Artificial Intelligence, 2016, 234, 26-48.	3.9	34
354	Goal-Directed Decision Making with Spiking Neurons. Journal of Neuroscience, 2016, 36, 1529-1546.	1.7	62
355	Decentralized Patrolling Under Constraints in Dynamic Environments. IEEE Transactions on Cybernetics, 2016, 46, 3364-3376.	6.2	28
356	Building Dialogue POMDPs from Expert Dialogues. Springer Briefs in Electrical and Computer Engineering, 2016, , .	0.3	0
357	Empirical Dynamic Programming. Mathematics of Operations Research, 2016, 41, 402-429.	0.8	39
358	Online task planning and control for fuel-constrained aerial robots in wind fields. International Journal of Robotics Research, 2016, 35, 438-453.	5.8	19
359	Cooperative Decision-Making Under Uncertainties for Multi-Target Surveillance with Multiples UAVs. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 371-386.	2.0	58

#	ARTICLE	IF	CITATIONS
360	Robotic manipulation of multiple objects as a POMDP. Artificial Intelligence, 2017, 247, 213-228.	3.9	35
361	Extremal Pure Strategies and Monotonicity in Repeated Games. Computational Economics, 2017, 49, 387-404.	1.5	5
362	Quantum Robotics: A Primer on Current Science and Future Perspectives. Synthesis Lectures on Quantum Computing, 2017, 6, 1-149.	0.1	5
363	Optimal monitoring and control under state uncertainty: Application to lionfish management. Journal of Environmental Economics and Management, 2017, 84, 223-245.	2.1	12
364	Interactive POMDPs with finite-state models of other agents. Autonomous Agents and Multi-Agent Systems, 2017, 31, 861-904.	1.3	17
365	Meeting a deadline: shortest paths on stochastic directed acyclic graphs with information gathering. Annals of Mathematics and Artificial Intelligence, 2017, 79, 337-370.	0.9	2
366	Thompson Sampling for Stochastic Control: The Finite Parameter Case. IEEE Transactions on Automatic Control, 2017, 62, 6415-6422.	3.6	59
367	An Approach for Service Function Chain Routing and Virtual Function Network Instance Migration in Network Function Virtualization Architectures. IEEE/ACM Transactions on Networking, 2017, 25, 2008-2025.	2.6	259
368	Polynomial-Time Computation of Strong and n-Present-Value Optimal Policies in Markov Decision Chains. Mathematics of Operations Research, 2017, 42, 577-598.	0.8	2
369	Performance analysis of an aggregation and disaggregation solution procedure to obtain a maintenance plan for a partially observable multi-component system. Reliability Engineering and System Safety, 2017, 167, 652-662.	5.1	5
370	On Efficient Packet-Switched Wireless Networking: A Markovian Approach to Trans-Layer Design and Optimization of ROHC. IEEE Transactions on Wireless Communications, 2017, 16, 4232-4245.	6.1	8
371	Multipolicy decision-making for autonomous driving via changepoint-based behavior prediction: Theory and experiment. Autonomous Robots, 2017, 41, 1367-1382.	3.2	100
372	Linear programming formulation for non-stationary, finite-horizon Markov decision process models. Operations Research Letters, 2017, 45, 570-574.	0.5	5
373	Random, Persistent, and Adaptive Spectrum Sensing Strategies for Multiband Spectrum Sensing in Cognitive Radio Networks With Secondary User Hardware Limitation. IEEE Access, 2017, 5, 14854-14866.	2.6	16
374	Energy Management for Energy Harvesting Wireless Sensors With Adaptive Retransmission. IEEE Transactions on Communications, 2017, 65, 5487-5498.	4.9	25
375	Relay employment problem for unacknowledged transmissions: Myopic policy and structure. , 2017, , .		5
376	The limitations of optimization from samples. , 2017, , .		18
377	No-regret replanning under uncertainty. , 2017, , .		4

#	Article	IF	Citations
378	Efficiently detecting switches against non-stationary opponents. Autonomous Agents and Multi-Agent Systems, 2017, 31, 767-789.	1.3	19
379	Optimization methods to solve adaptive management problems. Theoretical Ecology, 2017, 10, 1-20.	0.4	47
380	Efficient Planning in Non-Gaussian Belief Spaces and Its Application to Robot Grasping. Springer Tracts in Advanced Robotics, 2017, , 253-269.	0.3	12
381	Motion Planning Under Uncertainty Using Differential Dynamic Programming in Belief Space. Springer Tracts in Advanced Robotics, 2017, , 473-490.	0.3	18
382	Nonmyopic data association aware belief space planning for robust active perception. , 2017, , .		5
383	A hierarchical decision-making algorithm of UAV for collision avoidance in target tracking. , 2017, , .		0
384	An Explicit Decision Tree Approach for Automated Driving. , 2017, , .		12
385	Active online visual-inertial navigation and sensor calibration via belief space planning and factor graph based incremental smoothing. , 2017, , .		3
386	Randomized function fitting-based empirical value iteration. , 2017, , .		3
387	Complexity of Bayesian belief exchange over a network. , 2017, , .		3
388	Hybrid modeling and simulation of tactical maneuvers in computer generated force. , 2017, , .		0
389	Variation in classification accuracy with number of glimpses. , 2017, , .		1
390	Data-Driven Management of Post-Transplant Medications: An APOMDP Approach. SSRN Electronic Journal, 2017, , .	0.4	2
391	Multiband Spectrum Sensing in Cognitive Radio Networks With Secondary User Hardware Limitation: Random and Adaptive Spectrum Sensing Strategies. IEEE Transactions on Wireless Communications, 2018, 17, 3018-3029.	6.1	49
392	Deep Reinforcement Learning for Dynamic Multichannel Access in Wireless Networks. IEEE Transactions on Cognitive Communications and Networking, 2018, 4, 257-265.	4.9	328
393	On the relationship between dynamics and complexity in multi-agent collision avoidance. Autonomous Robots, 2018, 42, 1389-1404.	3.2	13
394	Cooperating with machines. Nature Communications, 2018, 9, 233.	5.8	124
395	Four aspects of building robotic systems: lessons from the Amazon Picking Challenge 2015. Autonomous Robots, 2018, 42, 1459-1475.	3.2	21

#	Article	IF	Citations
396	Fast and Bounded Probabilistic Collision Detection for High-DOF Trajectory Planning in Dynamic Environments. IEEE Transactions on Automation Science and Engineering, 2018, 15, 980-991.	3.4	26
397	A unified framework for data association aware robust belief space planning and perception. International Journal of Robotics Research, 2018, 37, 287-315.	5.8	20
398	Cooperative multi-robot belief space planning for autonomous navigation in unknown environments. Autonomous Robots, 2018, 42, 353-373.	3.2	20
400	On the computability of Solomonoff induction and AIXI. Theoretical Computer Science, 2018, 716, 28-49.	0.5	2
401	Decentralized multi-robot belief space planning in unknown environments via identification and efficient re-evaluation of impacted paths. Autonomous Robots, 2018, 42, 691-713.	3.2	6
402	Target Tracking using Friendship Paradox. , 2018, , .		0
403	Closed-Loop Policies for Operational Tests of Safety-Critical Systems. IEEE Transactions on Intelligent Vehicles, 2018, 3, 317-328.	9.4	6
404	Transfer Entropy in MDPs with Temporal Logic Specifications. , 2018, , .		4
405	Charging Policies for PHEVs used for Service Delivery: A Reinforcement Learning Approach. , 2018, , .		1
406	Policy Design for Active Sequential Hypothesis Testing using Deep Learning. , 2018, , .		16
407	Utilizing Human Feedback in POMDP Execution and Specification. , 2018, , .		4
408	Information geometry-based action decision-making for target tracking by fixed-wing unmanned aerial vehicle. International Journal of Advanced Robotic Systems, 2018, 15, 172988141878706.	1.3	3
409	Distributed Deep Reinforcement Learning for Fighting Forest Fires with a Network of Aerial Robots. , 2018, , .		45
410	A Reinforcement Learning Approach for Solving the Mean Variance Customer Portfolio in Partially Observable Models. International Journal on Artificial Intelligence Tools, 2018, 27, 1850034.	0.7	10
411	A Fast Approximation Method for Partially Observable Markov Decision Processes. Journal of Systems Science and Complexity, 2018, 31, 1423-1436.	1.6	1
412	From Footprints to Beliefprints: Motion Planning under Uncertainty for Maneuvering Automated Vehicles in Dense Scenarios. , 2018, , .		9
413	Reachability analysis of quantum Markov decision processes. Information and Computation, 2018, 263, 31-51.	0.5	12
414	Reliably Arranging Objects in Uncertain Domains. , 2018, , .		8

#	Article	IF	Citations
415	Evolving Robust Policy Coverage Sets in Multi-Objective Markov Decision Processes Through Intrinsically Motivated Self-Play. Frontiers in Neurorobotics, 2018, 12, 65.	1.6	3
416	Topological Multi-Robot Belief Space Planning in Unknown Environments. , 2018, , .		7
417	Motion planning under uncertainty in graduated fidelity lattices. Robotics and Autonomous Systems, 2018, 109, 168-182.	3.0	6
418	From Reinforcement Learning to Deep Reinforcement Learning: An Overview. Lecture Notes in Computer Science, 2018, , 298-328.	1.0	21
419	On the Optimality of Ergodic Trajectories for Information Gathering Tasks. , 2018, , .		2
420	Graph Games and Reactive Synthesis. , 2018, , 921-962.		37
421	A Sample Average Approximation-Based Parallel Algorithm for Application Placement in Edge Computing Systems. , 2018, , .		11
422	Data-driven planning via imitation learning. International Journal of Robotics Research, 2018, 37, 1632-1672.	5.8	29
423	On learning bandwidth allocation models for time-varying traffic in flexible optical networks. , 2018, , .		11
424	A simulated annealing heuristic for the online symmetric traveling salesman problem. Journal of Information and Optimization Sciences, 2018, 39, 1283-1296.	0.2	5
425	A joint sensing and transmission power control policy for RF energy harvesting cognitive radio networks. International Journal of Communication Systems, 2018, 31, e3715.	1.6	2
426	Importance sampling for online planning under uncertainty. International Journal of Robotics Research, 2019, 38, 162-181.	5.8	23
427	MPDM: Multi-policy Decision-Making from Autonomous Driving to Social Robot Navigation. Lecture Notes in Control and Information Sciences, 2019, , 201-223.	0.6	8
428	Indirect Customer-to-Customer Energy Trading With Reinforcement Learning. IEEE Transactions on Smart Grid, 2019, 10, 4338-4348.	6.2	108
429	Active sensing for motion planning in uncertain environments via mutual information policies. International Journal of Robotics Research, 2019, 38, 146-161.	5.8	15
430	Point-Based Policy Synthesis for POMDPs With Boolean and Quantitative Objectives. IEEE Robotics and Automation Letters, 2019, 4, 1860-1867.	3.3	1
431	Multi-objective optimal control for proactive decision making with temporal logic models. International Journal of Robotics Research, 2019, 38, 1490-1512.	5.8	5
432	Partially Observable Double DQN Based IoT Scheduling for Energy Harvesting. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
433	Graduated Fidelity Lattices for Motion Planning under Uncertainty. , 2019, , .		3
434	Defending Against Data Integrity Attacks in Smart Grid: A Deep Reinforcement Learning-Based Approach. IEEE Access, 2019, 7, 110835-110845.	2.6	60
435	Learning Partially Observable Markov Decision Processes Using Coupled Canonical Polyadic Decomposition. , 2019, , .		0
436	Uncertainty-Aware Path Planning for Navigation on Road Networks Using Augmented MDPs. , 2019, , .		12
437	Adaptive Polling in Hierarchical Social Networks Using Blackwell Dominance. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 538-553.	1.6	2
438	On the cluster admission problem for cloud computing. , 2019, , .		4
439	Robust Quadratic Programming for MDPs with uncertain observation noise. Neurocomputing, 2019, 370, 28-38.	3.5	1
440	On the Structure and Computation of Random Walk Times in Finite Graphs. IEEE Transactions on Automatic Control, 2019, 64, 4470-4483.	3.6	2
441	A Data-Driven Bandwidth Allocation Framework With QoS Considerations for EONs. Journal of Lightwave Technology, 2019, 37, 1853-1864.	2.7	42
442	SPEEDING Up the Metabolism in E-commerce by Reinforcement Mechanism DESIGN. Lecture Notes in Computer Science, 2019, , 105-119.	1.0	1
443	A POMDPâ€based longâ€term transmission rate maximization for cognitive radio networks with wirelessâ€powered ambient backscatter. International Journal of Communication Systems, 2019, 32, e3993.	1.6	5
444	A Dynamic Strategy for Home Pick-Up Service with Uncertain Customer Requests and Its Implementation. Sustainability, 2019, 11, 2060.	1.6	2
445	Capacity Requirements Planning for Production Companies Using Deep Reinforcement Learning. IFIP Advances in Information and Communication Technology, 2019, , 259-271.	0.5	0
446	Data-Driven Percentile Optimization for Multiclass Queueing Systems with Model Ambiguity: Theory and Application. INFORMS Journal on Optimization, 2019, 1, 267-287.	0.9	5
447	Control in belief space with temporal logic specifications using vision-based localization. International Journal of Robotics Research, 2019, 38, 702-722.	5.8	11
448	An Optimal Greedy Algorithm for the Single Access Contention Resolution Problem. IEEE Access, 2019, 7, 28452-28463.	2.6	5
449	Thompson Sampling for Stochastic Control: The Continuous Parameter Case. IEEE Transactions on Automatic Control, 2019, 64, 4137-4152.	3.6	5
450	Agent-Based Control System as a Tool towards Industry 4.0: Directed Communication Graph Approach. , 0, , .		1

#	ARTICLE	IF	CITATIONS
451	Optimal Reset Strategies for Mitigating Malware Epidemics. , 2019, , .		0
452	Real-Time Bidding with Soft Actor-Critic Reinforcement Learning in Display Advertising. , 2019, , .		0
453	Graph Planning with Expected Finite Horizon. , 2019, , .		1
454	Learning Q-network for Active Information Acquisition. , 2019, , .		9
455	Competitive Multi-agent Deep Reinforcement Learning with Counterfactual Thinking. , 2019, , .		3
456	Online Active Perception for Partially Observable Markov Decision Processes with Limited Budget. , 2019, , .		8
457	Privacy-Aware Location Sharing with Deep Reinforcement Learning. , 2019, , .		4
458	Online Flight Planner with Dynamic Obstacles for Urban Air Mobility. , 2019, , .		9
459	Towards Assume-Guarantee Profiles for Autonomous Vehicles. , 2019, , .		7
460	Unpredictable Planning Under Partial Observability. , 2019, , .		6
461	Planning in Stochastic Environments with Goal Uncertainty. , 2019, , .		0
462	Optimal Assignment of Augmented Reality Tasks for Edge-Based Variable Infrastructures. Proceedings (mdpi), 2019, 31, .	0.2	0
463	Model-based reinforcement learning for output-feedback optimal control of a class of nonlinear systems. , 2019, , .		3
464	A Real-Time Fuzzy Learning Algorithm for Markov Chain and Its Application on Prediction of Vehicle Speed. , 2019, , .		2
465	Deep Reinforcement Learning for Adaptive Caching in Hierarchical Content Delivery Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1024-1033.	4.9	88
466	A Tour of Reinforcement Learning: The View from Continuous Control. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 253-279.	7.5	289
467	Temporal-Difference Learning-Based Stochastic Energy Management for Plug-in Hybrid Electric Buses. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 2378-2388.	4.7	29
468	Computation of weighted sums of rewards for concurrent MDPs. Mathematical Methods of Operations Research, 2019, 89, 1-42.	0.4	13

#	Article	IF	Citations
469	Value Iteration Architecture Based Deep Learning for Intelligent Routing Exploiting Heterogeneous Computing Platforms. IEEE Transactions on Computers, 2019, 68, 939-950.	2.4	29
470	Weakly Supervised Human Activity Recognition From Wearable Sensors by Recurrent Attention Learning. IEEE Sensors Journal, 2019, 19, 2287-2297.	2.4	37
471	Layered Behavior Modeling via Combining Descriptive and Prescriptive Approaches: A Case Study of Infantry Company Engagement. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2551-2565.	5.9	1
472	A robust policy bootstrapping algorithm for multi-objective reinforcement learning in non-stationary environments. Adaptive Behavior, 2020, 28, 273-292.	1.1	3
473	Hierarchical reinforcement learning via dynamic subspace search for multi-agent planning. Autonomous Robots, 2020, 44, 485-503.	3.2	17
474	Reasoning about uncertain parameters and agent behaviors through encoded experiences and belief planning. Artificial Intelligence, 2020, 280, 103228.	3.9	2
475	Perception‐aware autonomous mast motion planning for planetary exploration rovers. Journal of Field Robotics, 2020, 37, 812-829.	3.2	19
476	A Connectivity-Prediction Algorithm and its Application in Active Cooperative Localization for Multi-Robot Systems. , 2020, , .		2
477	Answerable and Unanswerable Questions in Risk Analysis with Open‐World Novelty. Risk Analysis, 2020, 40, 2144-2177.	1.5	2
478	An Approach for Multi-UAV System Navigation and Target Finding in Cluttered Environments. , 2020, , .		5
479	A Shiny <scp>r</scp> app to solve the problem of when to stop managing or surveying species under imperfect detection. Methods in Ecology and Evolution, 2020, 11, 1707-1715.	2.2	4
480	K-spin Hamiltonian for quantum-resolvable Markov decision processes. Quantum Machine Intelligence, 2020, 2, 1.	2.7	1
481	Probabilistic Approach to Physical Object Disentangling. IEEE Robotics and Automation Letters, 2020, 5, 5510-5517.	3.3	2
482	Role Switching in Task-Oriented Multimodal Human-Robot Collaboration. , 2020, , .		4
483	The Colliding Reciprocal Dance Problem: A Mitigation Strategy with Application to Automotive Active Safety Systems. , 2020, , .		0
484	Quality of Service‐aware matchmaking for adaptive microservice‐based applications. Concurrency Computation Practice and Experience, 2020, 33, e6120.	1.4	3
485	Safe Motion Planning under Partial Observability with an Optimal Deterministic Planner. , 2020, , .		1
486	Integer Programming on the Junction Tree Polytope for Influence Diagrams. INFORMS Journal on Optimization, 2020, 2, 209-228.	0.9	2

#	Article	IF	Citations
487	UAV Framework for Autonomous Onboard Navigation and People/Object Detection in Cluttered Indoor Environments. Remote Sensing, 2020, 12, 3386.	1.8	53
488	Optimal Switching Sequence for Switched Linear Systems. SIAM Journal on Control and Optimization, 2020, 58, 1183-1206.	1.1	9
489	Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. IEEE Transactions on Vehicular Technology, 2020, 69, 7146-7158.	3.9	25
490	Formal Controller Synthesis for Continuous-Space MDPs via Model-Free Reinforcement Learning. , 2020, , .		26
491	Formal Techniques for Distributed Objects, Components, and Systems. Lecture Notes in Computer Science, 2020, , .	1.0	0
492	Minimalistic Attacks: How Little It Takes to Fool Deep Reinforcement Learning Policies. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 806-817.	2.6	17
493	Multiagent Deep Reinforcement Learning for Joint Multichannel Access and Task Offloading of Mobile-Edge Computing in Industry 4.0. IEEE Internet of Things Journal, 2020, 7, 6201-6213.	5.5	95
494	Measure twice, cut once: Optimal inventory and harvest under volume uncertainty and stochastic price dynamics. Journal of Environmental Economics and Management, 2020, 103, 102357.	2.1	5
495	Towards automatically generating block comments for code snippets. Information and Software Technology, 2020, 127, 106373.	3.0	19
499	Foundations of Probability. , 2020, , 12-35.		0
500	Stochastic Processes and Markov Chains. , 2020, , 36-44.		0
501	Stochastic Bandits. , 2020, , 45-59.		0
502	Concentration of Measure. , 2020, , 60-72.		0
504	The Explore-Then-Commit Algorithm. , 2020, , 75-83.		0
505	The Upper Confidence Bound Algorithm. , 2020, , 84-96.		0
506	The Upper Confidence Bound Algorithm: Asymptotic Optimality. , 2020, , 97-102.		0
507	The Upper Confidence Bound Algorithm: Minimax Optimality. , 2020, , 103-111.		0
508	The Upper Confidence Bound Algorithm: Bernoulli Noise. , 2020, , 112-122.		0

#	ARTICLE	IF	CITATIONS
510	The Exp3 Algorithm. , 2020, , 127-141.		0
511	The Exp3-IX Algorithm. , 2020, , 142-152.		0
513	Lower Bounds: Basic Ideas. , 2020, , 155-159.		0
514	Foundations of Information Theory. , 2020, , 160-169.		0
515	Minimax Lower Bounds. , 2020, , 170-176.		0
516	Instance-Dependent Lower Bounds. , 2020, , 177-184.		0
517	High-Probability Lower Bounds. , 2020, , 185-190.		0
519	Contextual Bandits. , 2020, , 193-204.		2
520	Stochastic Linear Bandits. , 2020, , 205-218.		0
521	Confidence Bounds for Least Squares Estimators. , 2020, , 219-230.		0
522	Optimal Design for Least Squares Estimators. , 2020, , 231-235.		0
523	Stochastic Linear Bandits with Finitely Many Arms. , 2020, , 236-239.		0
524	Stochastic Linear Bandits with Sparsity. , 2020, , 240-249.		0
525	Minimax Lower Bounds for Stochastic Linear Bandits. , 2020, , 250-257.		0
526	Asymptotic Lower Bounds for Stochastic Linear Bandits. , 2020, , 258-264.		0
528	Foundations of Convex Analysis. , 2020, , 267-277.		0
529	Exp3 for Adversarial Linear Bandits. , 2020, , 278-285.		0
530	Follow-the-regularised-Leader and Mirror Descent. , 2020, , 286-305.		0

#	ARTICLE	IF	CITATIONS
531	The Relation between Adversarial and Stochastic Linear Bandits. , 2020, , 306-312.		0
533	Combinatorial Bandits. , 2020, , 317-330.		0
534	Non-stationary Bandits. , 2020, , 331-339.		0
535	Ranking. , 2020, , 340-352.		0
536	Pure Exploration. , 2020, , 353-368.		0
537	Foundations of Bayesian Learning. , 2020, , 369-385.		0
538	Bayesian Bandits. , 2020, , 386-403.		0
539	Thompson Sampling. , 2020, , 404-420.		0
541	Partial Monitoring. , 2020, , 423-451.		0
542	Markov Decision Processes. , 2020, , 452-483.		0
545	Data Collection Versus Data Estimation: A Fundamental Trade-Off in Dynamic Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2000-2015.	4.1	5
546	Inventory Auditing and Replenishment Using Point‐of‐Sales Data. Production and Operations Management, 2020, 29, 1219-1231.	2.1	8
547	Energy-Aware Application Placement in Mobile Edge Computing: A Stochastic Optimization Approach. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 909-922.	4.0	78
548	Caching in Dynamic IoT Networks by Deep Reinforcement Learning. IEEE Internet of Things Journal, 2021, 8, 3268-3275.	5.5	28
549	A bi-objective manufacturing/remanufacturing system considering downward substitutions between three markets. Journal of Manufacturing Systems, 2021, 58, 75-92.	7.6	8
550	Remote state estimation with usage-dependent Markovian packet losses. Automatica, 2021, 123, 109342.	3.0	6
551	A Survey of Recent Progress in the Asymptotic Analysis of Inventory Systems. Production and Operations Management, 2021, 30, 1718-1750.	2.1	22
552	Privacy-Aware Time-Series Data Sharing With Deep Reinforcement Learning. IEEE Transactions on Information Forensics and Security, 2021, 16, 389-401.	4.5	23

#	Article	IF	Citations
553	Intrinsically Motivated Hierarchical Policy Learning in Multiobjective Markov Decision Processes. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 262-273.	2.6	2
554	Why Be Random?. Mind, 2021, 130, 111-139.	0.2	9
556	Reactive Workflow Scheduling in Fluctuant Infrastructure-as-a-Service Clouds Using Deep Reinforcement Learning. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 285-304.	0.2	1
557	Runtime Monitors for Markov Decision Processes. Lecture Notes in Computer Science, 2021, , 553-576.	1.0	8
558	Strategic and Crowd-Aware Itinerary Recommendation. Lecture Notes in Computer Science, 2021, , 69-85.	1.0	3
559	3D real-time path planning of UAVs in dynamic environments in the presence of uncertainty. , 2021, , .		1
560	A Survey on Hybrid Human-Artificial Intelligence for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6011-6026.	4.7	18
561	An Efficiency Enhancing Methodology for Multiple Autonomous Vehicles in an Urban Network Adopting Deep Reinforcement Learning. Applied Sciences (Switzerland), 2021, 11, 1514.	1.3	11
562	Hardness of Motion Planning with Obstacle Uncertainty in Two Dimensions. International Journal of Robotics Research, 2021, 40, 1151-1166.	5.8	1
563	Adaptive Learning of Drug Quality and Optimization of Patient Recruitment for Clinical Trials with Dropouts. Manufacturing and Service Operations Management, 2022, 24, 580-599.	2.3	8
564	Optimal Policies for Quantum Markov Decision Processes. International Journal of Automation and Computing, 2021, 18, 410-421.	4.5	6
565	Towards Energy-Aware Feedback Planning for Long-Range Autonomous Underwater Vehicles. Frontiers in Robotics and AI, 2021, 8, 621820.	2.0	5
566	Bayesian Decision Making in Groups is Hard. Operations Research, 2021, 69, 632-654.	1.2	15
567	Knowledge-Based Hierarchical POMDPs for Task Planning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 101, 1.	2.0	6
568	Autonomous Maintenance in IoT Networks via AoI-driven Deep Reinforcement Learning. , 2021, , .		5
569	Stochastic Processes with Expected Stopping Time. , 2021, , .		0
570	Building an intelligent recommendation system for personalized test scheduling in computerized assessments: A reinforcement learning approach. Behavior Research Methods, 2021, , 1.	2.3	7
571	Active Privacy-Utility Trade-Off Against A Hypothesis Testing Adversary. , 2021, , .		7

#	ARTICLE	IF	CITATIONS
572	Online Partial Conditional Plan Synthesis for POMDPs With Safe-Reachability Objectives: Methods and Experiments. IEEE Transactions on Automation Science and Engineering, 2021, 18, 932-945.	3.4	5
573	Socially Aware Robot Obstacle Avoidance Considering Human Intention and Preferences. International Journal of Social Robotics, 2023, 15, 661-678.	3.1	10
574	SACBP: Belief space planning for continuous-time dynamical systems via stochastic sequential action control. International Journal of Robotics Research, 2021, 40, 1167-1195.	5.8	3
575	Algorithms and conditional lower bounds for planning problems. Artificial Intelligence, 2021, 297, 103499.	3.9	2
576	A path planning strategy unified with a COLREGS collision avoidance function based on deep reinforcement learning and artificial potential field. Applied Ocean Research, 2021, 113, 102759.	1.8	126
577	Motion Planning of Mobile Robots in Indoor Topological Environments using Partially Observable Markov Decision Process. IEEE Latin America Transactions, 2021, 19, 1315-1324.	1.2	6
578	Partially Observable Monte Carlo Planning with state variable constraints for mobile robot navigation. Engineering Applications of Artificial Intelligence, 2021, 104, 104382.	4.3	8
579	End-to-End Probabilistic Depth Perception and 3D Obstacle Avoidance using POMDP. Journal of Intelligent and Robotic Systems: Theory and Applications, 2021, 103, 1.	2.0	7
580	Optimal adaptive inspection and maintenance planning for deteriorating structural systems. Reliability Engineering and System Safety, 2021, 215, 107891.	5.1	22
581	Decentralized Communication Strategies for Coordinated Multi-Agent Policies. , 2005, , 93-105.		16
582	An Approximate Dynamic Programming Approach to Decentralized Control of Stochastic Systems. , 0, , 243-256.		24
583	An Overview of Cooperative and Competitive Multiagent Learning. Lecture Notes in Computer Science, 2006, , 1-46.	1.0	40
584	Characterizing Markov Decision Processes. Lecture Notes in Computer Science, 2002, , 391-404.	1.0	6
585	Hidden-Mode Markov Decision Processes for Nonstationary Sequential Decision Making. Lecture Notes in Computer Science, 2000, , 264-287.	1.0	16
586	Bounds on Sample Size for Policy Evaluation in Markov Environments. Lecture Notes in Computer Science, 2001, , 616-629.	1.0	7
587	LC-Learning: Phased Method for Average Reward Reinforcement Learning â€"Preliminary Results â€". Lecture Notes in Computer Science, 2002, , 208-217.	1.0	8
588	A theory of strict P-completeness. Lecture Notes in Computer Science, 1992, , 33-44.	1.0	7
589	On the complexity of finite memory policies for Markov decision processes. Lecture Notes in Computer Science, 1995, , 191-200.	1.0	4

#	Article	IF	Citations
590	What to Communicate? Execution-Time Decision in Multi-agent POMDPs. , 2006, , 177-186.		32
591	Bounded Error Probabilistic Finite State Automata. Combinatorial Optimization, 2001, , 509-531.	0.7	5
592	Tuning the Discount Factor in Order to Reach Average Optimality on Deterministic MDPs. Lecture Notes in Computer Science, 2018, , 92-105.	1.0	3
593	Probabilistic Timed Automata with One Clock and Initialised Clock-Dependent Probabilities. Lecture Notes in Computer Science, 2020, , 150-168.	1.0	2
594	Strengthening Deterministic Policies for POMDPs. Lecture Notes in Computer Science, 2020, , 115-132.	1.0	3
595	Components in Probabilistic Systems: Suitable by Construction. Lecture Notes in Computer Science, 2020, , 240-261.	1.0	6
596	Intention-Aware Pedestrian Avoidance. Springer Tracts in Advanced Robotics, 2013, , 963-977.	0.3	48
597	A State Lattice Approach for Motion Planning under Control and Sensor Uncertainty. Advances in Intelligent Systems and Computing, 2014, , 247-260.	0.5	6
598	Robust Person Guidance by Using Online POMDPs. Advances in Intelligent Systems and Computing, 2014, , 289-303.	0.5	4
599	Analysis of Methods for Playing Human Robot Hide-and-Seek in a Simple Real World Urban Environment. Advances in Intelligent Systems and Computing, 2014, , 505-520.	0.5	2
600	Solving Hidden-Semi-Markov-Mode Markov Decision Problems. Lecture Notes in Computer Science, 2014, , 176-189.	1.0	7
601	Scaling up Gaussian Belief Space Planning Through Covariance-Free Trajectory Optimization and Automatic Differentiation. Springer Tracts in Advanced Robotics, 2015, , 515-533.	0.3	41
603	An Online POMDP Solver for Uncertainty Planning in Dynamic Environment. Springer Tracts in Advanced Robotics, 2016, , 611-629.	0.3	68
604	Data Exfiltration Detection and Prevention: Virtually Distributed POMDPs for Practically Safer Networks. Lecture Notes in Computer Science, 2016, , 39-61.	1.0	8
605	Model Checking Probabilistic Timed Automata with One or Two Clocks. , 2007, , 170-184.		17
606	Q-Learning with Linear Function Approximation. , 2007, , 308-322.		37
607	Planning and Learning in Environments with Delayed Feedback. Lecture Notes in Computer Science, 2007, , 442-453.	1.0	13
608	Bounded Uncertainty Roadmaps for Path Planning. Springer Tracts in Advanced Robotics, 2009, , 199-215.	0.3	28

#	ARTICLE	IF	CITATIONS
609	Model Checking Linear-Time Properties of Probabilistic Systems. Monographs in Theoretical Computer Science, 2009, , 519-570.	0.6	11
610	Concavely-Priced Probabilistic Timed Automata. Lecture Notes in Computer Science, 2009, , 415-430.	1.0	13
611	Quasi-Deterministic Partially Observable Markov Decision Processes. Lecture Notes in Computer Science, 2009, , 237-246.	1.0	3
612	A Decision-Theoretic Approach to Collaboration: Principal Description Methods and Efficient Heuristic Approximations. Studies in Computational Intelligence, 2010, , 87-124.	0.7	4
613	Qualitative Analysis of Partially-Observable Markov Decision Processes. Lecture Notes in Computer Science, 2010, , 258-269.	1.0	20
614	PageRank Optimization in Polynomial Time by Stochastic Shortest Path Reformulation. Lecture Notes in Computer Science, 2010, , 89-103.	1.0	10
615	Monte Carlo Value Iteration for Continuous-State POMDPs. Springer Tracts in Advanced Robotics, 2010, , 175-191.	0.3	47
616	Upper Confidence Trees with Short Term Partial Information. Lecture Notes in Computer Science, 2011, , 153-162.	1.0	16
617	Exploration from Generalization Mediated by Multiple Controllers. , 2013, , 73-91.		10
619	Intention-Aware Motion Planning. Springer Tracts in Advanced Robotics, 2013, , 475-491.	0.3	116
620	Point-Based Policy Transformation: Adapting Policy to Changing POMDP Models. Springer Tracts in Advanced Robotics, 2013, , 493-509.	0.3	7
621	LTL Model Checking of Interval Markov Chains. Lecture Notes in Computer Science, 2013, , 32-46.	1.0	46
624	Safe and Effective Picking Paths in Clutter given Discrete Distributions of Object Poses. , 2020, , .		3
625	Multi-agent policies. , 2002, , .		50
626	When Optimal Feedback Control Is Not Enough: Feedforward Strategies Are Required for Optimal Control with Active Sensing. PLoS Computational Biology, 2016, 12, e1005190.	1.5	42
627	Robot Planning in Partially Observable Continuous Domains. , 0, , .		17
628	SARSOP: Efficient Point-Based POMDP Planning by Approximating Optimally Reachable Belief Spaces. , 0, , .		363
629	POMDPs for robotic tasks with mixed observability. , 0, , .		37

#	Article	IF	Citations
630	Belief space planning assuming maximum likelihood observations. , 0, , .		160
631	Unmanned Aircraft Collision Avoidance using Continuous-State POMDPs. , 0, , .		27
632	Multipolicy Decision-Making for Autonomous Driving via Changepoint-based Behavior Prediction. , 0, , .		39
633	Lessons from the Amazon Picking Challenge: Four Aspects of Building Robotic Systems. , 0, , .		69
634	Sequence-to-Sequence Language Grounding of Non-Markovian Task Specifications. , 0, , .		19
635	Column Generation Algorithms for Constrained POMDPs. Journal of Artificial Intelligence Research, 0, 62, 489-533.	7.0	6
636	Point-Based Value Iteration for Finite-Horizon POMDPs. Journal of Artificial Intelligence Research, 0, 65, 307-341.	7.0	13
637	The Communicative Multiagent Team Decision Problem: Analyzing Teamwork Theories and Models. Journal of Artificial Intelligence Research, 0, 16, 389-423.	7.0	191
638	On Polynomial Sized MDP Succinct Policies. Journal of Artificial Intelligence Research, 0, 21, 551-577.	7.0	1
639	Decision-Theoretic Bidding Based on Learned Density Models in Simultaneous, Interacting Auctions. Journal of Artificial Intelligence Research, 0, 19, 209-242.	7.0	36
640	Complexity Results and Approximation Strategies for MAP Explanations. Journal of Artificial Intelligence Research, 0, 21, 101-133.	7.0	98
641	Restricted Value Iteration: Theory and Algorithms. Journal of Artificial Intelligence Research, 0, 23, 123-165.	7.0	6
642	Decentralized Control of Cooperative Systems: Categorization and Complexity Analysis. Journal of Artificial Intelligence Research, 0, 22, 143-174.	7.0	125
643	Hybrid BDI-POMDP Framework for Multiagent Teaming. Journal of Artificial Intelligence Research, 0, 23, 367-420.	7.0	37
644	A Framework for Sequential Planning in Multi-Agent Settings. Journal of Artificial Intelligence Research, 0, 24, 49-79.	7.0	175
645	Perseus: Randomized Point-based Value Iteration for POMDPs. Journal of Artificial Intelligence Research, 0, 24, 195-220.	7.0	310
646	Optimal and Approximate Q-value Functions for Decentralized POMDPs. Journal of Artificial Intelligence Research, 0, 32, 289-353.	7.0	155
647	Communication-Based Decomposition Mechanisms for Decentralized MDPs. Journal of Artificial Intelligence Research, 0, 32, 169-202.	7.0	11

#	Article	IF	Citations
648	Online Planning Algorithms for POMDPs. Journal of Artificial Intelligence Research, 0, 32, 663-704.	7.0	286
649	An Investigation into Mathematical Programming for Finite Horizon Decentralized POMDPs. Journal of Artificial Intelligence Research, 0, 37, 329-396.	7.0	10
651	A Decision-Theoretic Model of Assistance. Journal of Artificial Intelligence Research, 0, 50, 71-104.	7.0	20
652	The Computational Complexity of Probabilistic Planning. Journal of Artificial Intelligence Research, 0, 9, 1-36.	7.0	91
653	Decision-Theoretic Planning: Structural Assumptions and Computational Leverage. Journal of Artificial Intelligence Research, 0, 11, 1-94.	7.0	485
654	Value-Function Approximations for Partially Observable Markov Decision Processes. Journal of Artificial Intelligence Research, 0, 13, 33-94.	7.0	282
655	Nonapproximability Results for Partially Observable Markov Decision Processes. Journal of Artificial Intelligence Research, 0, 14, 83-103.	7.0	35
656	Speeding Up the Convergence of Value Iteration in Partially Observable Markov Decision Processes. Journal of Artificial Intelligence Research, 0, 14, 29-51.	7.0	66
659	Dynamic Marketing Mix Allocation for Long-Term Profitability. SSRN Electronic Journal, 0, , .	0.4	4
660	Bayesian Group Decisions: Algorithms and Complexity. SSRN Electronic Journal, 0, , .	0.4	6
661	Linear Programming Based Online Policies for Real-Time Assortment of Reusable Resources. SSRN Electronic Journal, 0, , .	0.4	11
662	Near-Optimal Bayesian Online Assortment of Reusable Resources. SSRN Electronic Journal, 0, , .	0.4	4
663	Model Checking Probabilistic Timed Automata with One or Two Clocks. Logical Methods in Computer Science, 2008, 4, .	0.4	25
664	Goal-HSVI: Heuristic Search Value Iteration for Goal POMDPs. , 2018, , .		7
665	Interactive Learning and Decision Making: Foundations, Insights & Challenges. , 2018, , .		4
666	Probabilistic Automata over Infinite Words: Expressiveness, Efficiency, and Decidability. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 3, 3-16.	0.8	4
667	FUZZY RECURRENT MAPPINGS IN MULTIAGENT SIMULATION OF POPULATION DYNAMICS SYSTEMS. International Journal of Computing, 0, , 290-297.	1.5	12
669	A ModifiedÂPolicy Iteration Algorithm for Discounted Reward Markov Decision Processes. International Journal of Computer Applications, 2016, 133, 28-33.	0.2	1

#	ARTICLE	IF	CITATIONS
671	Reinforcement Learning of User Preferences for a Ubiquitous Personal Assistant. , 0, , .		3
672	An On-Line POMDP Solver for Continuous Observation Spaces. , 2021, , .		8
673	Value Iteration over Belief Subspace. Lecture Notes in Computer Science, 2001, , 60-71.	1.0	0
674	Space-Progressive Value Iteration: An Anytime Algorithm for a Class of POMDPs. Lecture Notes in Computer Science, 2001, , 72-83.	1.0	2
675	An Online POMDP Algorithm Used by the PoliceForce Agents in the RoboCupRescue Simulation. Lecture Notes in Computer Science, 2006, , 196-207.	1.0	0
676	Prise de dÃ©cision en temps-rÃ©el pour des POMDP de grande taille. Revue D'Intelligence Artificielle, 2006, 20, 203-234.	0.5	0
677	Processos de DecisÃ£o de Markov: um tutorial. Revista De Informatica Teorica E Aplicada, 2007, 14, 133-179.	0.2	4
679	Probabilistic Acceptors for Languages over Infinite Words. Lecture Notes in Computer Science, 2009, , 19-33.	1.0	1
680	Markov Decision Process-Based Resource and Information Management for Sensor Networks. Signals and Communication Technology, 2010, , 167-216.	0.4	1
681	On Model Checking Techniques for Randomized Distributed Systems. Lecture Notes in Computer Science, 2010, , 1-11.	1.0	1
683	Reinforcement Based U-Tree: A Novel Approach for Solving POMDP. Intelligent Systems Reference Library, 2010, , 205-232.	1.0	1
684	HTN-Style Planning in Relational POMDPs Using First-Order FSCs. Lecture Notes in Computer Science, 2011, , 216-227.	1.0	3
687	Motion Planning Under Uncertainty. , 2012, , 309-385.		0
689	Utility-Maximizing Task Scheduling for Partially Observable Multiagent Systems. Advances in Intelligent and Soft Computing, 2012, , 387-394.	0.2	0
690	An Introduction to Fully and Partially Observable Markov Decision Processes. , 2012, , 33-62.		4
691	Purpose Restrictions on Information Use. Lecture Notes in Computer Science, 2013, , 610-627.	1.0	5
692	Modeling Combat Entity with POMDP and DEVS. Journal of Korean Institute of Industrial Engineers, 2013, 39, 498-516.	0.1	3
694	Cooperative Decision Algorithm for Time Critical Assignment without Explicit Communication. Lecture Notes in Computer Science, 2014, , 197-206.	1.0	1

#	ARTICLE	IF	CITATIONS
695	Dynamic Maintenance of a Deteriorating System Under Uncertainty. , 1993, , 341-358.		0
696	On the complexity of computational problems associated with simple stochastic games. Lecture Notes in Computer Science, 1996, , 310-322.	1.0	0
699	Planning in Partially Observable Domains with Fuzzy Epistemic States and Probabilistic Dynamics. Lecture Notes in Computer Science, 2015, , 220-233.	1.0	1
700	Navigation Under Uncertainty Based on Active SLAM Concepts. Studies in Systems, Decision and Control, 2015, , 209-235.	0.8	4
702	An Adaptive Multi-resolution State Lattice Approach for Motion Planning with Uncertainty. Advances in Intelligent Systems and Computing, 2016, , 257-268.	0.5	3
704	Sequential Decision Making in Spoken Dialog Management. Springer Briefs in Electrical and Computer Engineering, 2016, , 21-43.	0.3	0
705	Decision-Theoretic Monitoring of Cyber-Physical Systems. Lecture Notes in Computer Science, 2016, , 404-419.	1.0	1
706	A Near-Optimal Sensing Schedule for Spectrum Access in Multi-Hop Cognitive Radio Network. IEICE Transactions on Communications, 2017, E100.B, 1160-1171.	0.4	0
707	Reduction Techniques for Model Checking and Learning in MDPs. , 2017, , .		5
708	Expectation Optimization with Probabilistic Guarantees in POMDPs with Discounted-Sum Objectives. , 2018, , .		0
709	Optimization for Non-Markovian Disease Models: An Application to Active Surveillance for Prostate Cancer. SSRN Electronic Journal, 0, , .	0.4	0
710	Indoor Pursuit-Evasion with Hybrid Hierarchical Partially Observable Markov Decision Processes for Multi-robot Systems. Springer Proceedings in Advanced Robotics, 2019, , 251-264.	0.9	4
711	Linear Programming Based Near-Optimal Pricing for Laminar Bayesian Online Selection. SSRN Electronic Journal, 0, , .	0.4	0
712	Learning optimal actions with imperfect images. , 2019, , .		0
713	Regular Decision Processes: A Model for Non-Markovian Domains. , 2019, , .		4
714	Reinforcement Learning - A Technical Introduction. Journal of Autonomous Intelligence, 2019, 2, 25.	0.1	3
715	Multi-objective Optimal Control for Proactive Decision Making with Temporal Logic Models. Springer Proceedings in Advanced Robotics, 2020, , 127-144.	0.9	0
716	Undersea Active Terrain-Aided Navigation (ATAN). , 2020, , .		1

#	Article	IF	Citations
717	An Improved Approach towards Multi-Agent Pursuit–Evasion Game Decision-Making Using Deep Reinforcement Learning. Entropy, 2021, 23, 1433.	1.1	19
718	Hardness of 3D Motion Planning Under Obstacle Uncertainty. Springer Proceedings in Advanced Robotics, 2020, , 852-867.	0.9	1
720	Partially Observable Markov Decision Processes. Advances in Computer Vision and Pattern Recognition, 2021, , 249-266.	0.9	0
721	Barrier Functions for Multiagent-POMDPs with DTL Specifications. , 2020, , .		4
722	Computing Nash Equilibria in Multiplayer DAG-Structured Stochastic Games with Persistent Imperfect Information. Lecture Notes in Computer Science, 2021, , 3-16.	1.0	2
723	On the Complexity of Sequential Incentive Design. IEEE Transactions on Automatic Control, 2022, 67, 5809-5824.	3.6	0
724	Game Theory on Attack Graph for Cyber Deception. Lecture Notes in Computer Science, 2020, , 445-456.	1.0	9
725	Robot Task Planning in Deterministic and Probabilistic Conditions Using Semantic Knowledge Base. , 2020, , 1097-1120.		0
726	Online Partial Conditional Plan Synthesis for POMDPs with Safe-Reachability Objectives. Springer Proceedings in Advanced Robotics, 2020, , 127-143.	0.9	0
727	Estimation and control using sampling-based Bayesian reinforcement learning. IET Cyber-Physical Systems: Theory and Applications, 2020, 5, 127-135.	1.9	0
728	Reactive Motion Planning in Uncertain Environments via Mutual Information Policies. Springer Proceedings in Advanced Robotics, 2020, , 256-271.	0.9	2
729	Explaining the Influence of Prior Knowledge on POMCP Policies. Lecture Notes in Computer Science, 2020, , 261-276.	1.0	3
730	Towards a distributed planning of decision making under uncertainty for a fleet of robots. , 2020, , .		0
731	Latent Belief Space Motion Planning under Cost, Dynamics, and Intent Uncertainty. , 0, , .		2
732	Sparse Tree Search Optimality Guarantees in POMDPs with Continuous Observation Spaces. , 2020, , .		4
733	Feature Selection and Sensor Array Optimization in Machine Olfaction. , 0, , 1-61.		1
734	Data-Driven Management of Post-transplant Medications: An Ambiguous Partially Observable Markov Decision Process Approach. Manufacturing and Service Operations Management, 2020, 22, 1066-1087.	2.3	14
735	A POMDP-Based Antenna Selection for Massive MIMO Communication. IEEE Transactions on Communications, 2022, 70, 2025-2041.	4.9	5

#	ARTICLE	IF	CITATIONS
736	Partially Observable Markov Decision Processes and Robotics. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 253-277.	7.5	30
737	Trust in Multi-Vehicle Systems Using MDP Control Strategies. , 2020, , .		0
738	A Probabilistic Online Policy Estimator for Autonomous Systems Planning and Decision Making. , 2020, , .		2
739	An Improved Exponential-Time Approximation Algorithm for Fully-Alternating Games Against Nature. , 2020, , .		1
740	POMP++: Pomcp-based Active Visual Search in unknown indoor environments. , 2021, , .		7
741	Constrained Iterative LQG for Real-Time Chance-Constrained Gaussian Belief Space Planning. , 2021, , .		1
743	Fast and Efficient Online Selection of Sensors for Transmitter Localization. , 2022, , .		1
745	Waveform Codesign for Radarâ€"Communication Spectral Coexistence via Dynamic Programming. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 4315-4326.	2.6	2
746	Scenario Understanding and Motion Prediction for Autonomous Vehiclesâ€"Review and Comparison. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16962-16982.	4.7	27
747	Privacy preserving planning in multi-agent stochastic environments. Autonomous Agents and Multi-Agent Systems, 2022, 36, 1.	1.3	1
748	Time Dependent Biased Random Walks. ACM Transactions on Algorithms, 2022, 18, 1-30.	0.9	1
749	A unifying review of NDE models towards optimal decision support. Structural Safety, 2022, 97, 102213.	2.8	3
750	Improved Virtual Landmark Approximation for Belief-Space Planning. , 2021, , .		0
751	A Class of Solvable Markov Decision Models with Incomplete Information. , 2021, , .		4
752	On Anderson Acceleration for Partially Observable Markov Decision Processes. , 2021, , .		1
753	A Markov Decision Process Model for a Reinforcement Learning-based Autonomous Pedestrian Crossing Protocol. , 2021, , .		2
754	Voronoi Progressive Widening: Efficient Online Solvers for Continuous State, Action, and Observation POMDPs. , 2021, , .		4
755	Cooperative Multi-Agent Reinforcement-Learning-Based Distributed Dynamic Spectrum Access in Cognitive Radio Networks. IEEE Internet of Things Journal, 2022, 9, 19477-19488.	5.5	26

#	ARTICLE	IF	CITATIONS
758	The Limitations of Optimization from Samples. Journal of the ACM, 2022, 69, 1-33.	1.8	0
759	Improving quantum state detection with adaptive sequential observations. Quantum Science and Technology, 2022, 7, 034004.	2.6	0
760	Graph planning with expected finite horizon. Journal of Computer and System Sciences, 2022, 129, 1-21.	0.9	0
761	Honeypot Allocation for Cyber Deception Under Uncertainty. IEEE Transactions on Network and Service Management, 2022, 19, 3438-3452.	3.2	5
762	Controller-Based Interactive Proof to Ensure Trust in Multiagent Systems. IEEE Transactions on Automatic Control, 2022, 67, 4963-4970.	3.6	0
763	Efficient Approximate Value Iteration for Continuous Gaussian POMDPs. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 1832-1838.	3.6	9
764	MOMDPs: A Solution for Modelling Adaptive Management Problems. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 267-273.	3.6	13
765	Entropy Maximization for Partially Observable Markov Decision Processes. IEEE Transactions on Automatic Control, 2022, 67, 6948-6955.	3.6	1
766	Improving Automated Driving Through POMDP Planning With Human Internal States. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20073-20083.	4.7	8
767	Intrusion Prevention Through Optimal Stopping. IEEE Transactions on Network and Service Management, 2022, 19, 2333-2348.	3.2	5
768	Multilevel Monte Carlo for solving POMDPs on-line. International Journal of Robotics Research, 2023, 42, 196-213.	5.8	1
769	Charting the trade-off between design complexity and plan execution under probabilistic actions. , 2022, , .		2
770	Gaussian Belief Trees for Chance Constrained Asymptotically Optimal Motion Planning. , 2022, , .		8
771	D2A-BSP: Distilled Data Association Belief Space Planning with Performance Guarantees Under Budget Constraints. , 2022, , .		6
772	Freezing revisited: coordinated autonomic and central optimization of threat coping. Nature Reviews Neuroscience, 2022, 23, 568-580.	4.9	42
773	Quantum circuit architectures via quantum observable Markov decision process planning. Journal of Physics Communications, 2022, 6, 075006.	0.5	4
774	Learning State-Variable Relationships in POMCP: A Framework for Mobile Robots. Frontiers in Robotics and AI, 0, 9, .	2.0	0
775	A sequential decision-making framework with uncertainty quantification for groundwater management. Advances in Water Resources, 2022, 166, 104266.	1.7	8

#	Article	IF	Citations
776	Optimal and Efficient Stochastic Motion Planning in Partially-Known Environments. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	3.6	9
777	A POMDP Formulation of Proactive Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	0
778	Target Surveillance in Adversarial Environments Using POMDPs. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	3
779	Solving Risk-Sensitive POMDPs With and Without Cost Observations. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	5
780	A Symbolic SAT-Based Algorithm for Almost-Sure Reachability with Small Strategies in POMDPs. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	6
781	Markov Decision Processes with Incomplete Information and Semiuniform Feller Transition Probabilities. SIAM Journal on Control and Optimization, 2022, 60, 2488-2513.	1.1	4
782	Bayesian incremental inference update by re-using calculations from belief space planning: a new paradigm. Autonomous Robots, 0, , .	3.2	0
783	Model-Based Reinforcement Learning with Automated Planning for Network Management. Sensors, 2022, 22, 6301.	2.1	1
784	Machine Learning in Tissue Engineering. Tissue Engineering - Part A, 2023, 29, 2-19.	1.6	14
785	Co-optimization of robotic design and skill inspired by human hand evolution. Bioinspiration and Biomimetics, 0, , .	1.5	0
786	Rule-based Shielding for Partially Observable Monte-Carlo Planning. , 0, 31, 243-251.		1
787	Stochastic Optimal Control for Multivariable Dynamical Systems Using Expectation Maximization. IEEE Transactions on Neural Networks and Learning Systems, 2022, , 1-15.	7.2	1
788	On Team Decision Problems with Nonclassical Information Structures. IEEE Transactions on Automatic Control, 2022, , 1-16.	3.6	11
789	Exploiting Partial Observability for Optimal Deception. IEEE Transactions on Automatic Control, 2022, , 1-8.	3.6	2
790	Model-Free Deep Recurrent Q-Network Reinforcement Learning for Quantum Circuit Architectures Design. Quantum Reports, 2022, 4, 380-389.	0.6	2
791	Planning with Theory of Mind. Trends in Cognitive Sciences, 2022, 26, 959-971.	4.0	23
792	Partial observability and management of ecological systems. Ecology and Evolution, 2022, 12, .	0.8	3
793	Bayesian Optimized Monte Carlo Planning. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 11880-11887.	3.6	6

#	Article	IF	Citations
794	Assistant Agents for Sequential Planning Problems. Proceedings, 2012, 8, 27-30.	0.7	1
795	Review on Functional Testing Scenario Library Generation for Connected and Automated Vehicles. Sensors, 2022, 22, 7735.	2.1	4
796	Revisiting Risk-Sensitive MDPs: New Algorithms and Results. , 0, 24, 136-144.		12
797	Planning for Partial Observability by SAT and Graph Constraints. , 0, 28, 190-198.		5
798	Closing the Gap: Improved Bounds on Optimal POMDP Solutions. , 0, 21, 194-201.		24
799	Learning Accuracy and Availability of Humans Who Help Mobile Robots. Proceedings of the AAAI Conference on Artificial Intelligence, 2011, 25, 1501-1506.	3.6	16
800	Scheduling with Contingent Resources and Tasks. , 0, 23, 189-196.		0
801	In-silico Behavior Discovery System: An Application of Planning in Ethology. , 0, 25, 296-304.		0
802	Indefinite-Horizon Reachability in Goal-DEC-POMDPs. , 0, 26, 88-96.		1
803	Path Planning for Multiple Agents under Uncertainty. , 0, 27, 577-585.		14
804	An On-Line Planner for POMDPs with Large Discrete Action Space: A Quantile-Based Approach. , 0, 28, 273-277.		5
805	Efficient Polling Algorithms using Friendship Paradox and Blackwell Dominance. , 2019, , .		0
806	Optimal decisions in stochastic graphs with uncorrelated and correlated edge weights. Computers and Operations Research, 2022, , 106085.	2.4	0
808	An interpretation framework for autonomous vehicles decision-making via SHAP and RF. , 2022, , .		4
809	Efficient Motion Planning Under Obstacle Uncertainty withÂLocal Dependencies. Springer Proceedings in Advanced Robotics, 2023, , 68-84.	0.9	0
810	Adaptive Discretization Using Voronoi Trees for Continuous-Action POMDPs. Springer Proceedings in Advanced Robotics, 2023, , 170-187.	0.9	0
811	Deep Reinforcement Learning for Simultaneous Sensing and Channel Access in Cognitive Networks. IEEE Transactions on Wireless Communications, 2023, 22, 4930-4946.	6.1	3
814	Speeding up POMDP Planning via Simplification. , 2022, , .		2

#	Article	IF	Citations
815	Online Planning for Interactive-POMDPs using Nested Monte Carlo Tree Search. , 2022, , .		0
816	Safe and Efficient Exploration of Human Models During Human-Robot Interaction. , 2022, , .		2
819	Fair Markovian Search. SSRN Electronic Journal, 0, , .	0.4	0
820	Prediction-Uncertainty-Aware Threat Detection for ADAS: A Case Study on Lane-Keeping Assistance. IEEE Transactions on Intelligent Vehicles, 2023, 8, 2914-2925.	9.4	6
821	Separation of learning and control for cyberâ€"physical systems. Automatica, 2023, 151, 110912.	3.0	5
822	A discrete-time optimal execution problem with market prices subject to random environments. Top, 0, , .	1.1	1
823	Future memories are not needed for large classes of POMDPs. Operations Research Letters, 2023, 51, 270-277.	0.5	1
824	Rules of the Road: Formal Guarantees for Autonomous Vehicles With Behavioral Contract Design. IEEE Transactions on Robotics, 2023, , 1-20.	7.3	0
825	Optimizing Age of Information in Wireless Uplink Networks With Partial Observations. IEEE Transactions on Communications, 2023, 71, 4105-4118.	4.9	4
826	A Review on Software Defined Content Delivery Network: A Novel Combination of CDN and SDN. IEEE Access, 2023, 11, 43822-43843.	2.6	3
834	On the Complexity and Approximability of Optimal Sensor Selection for Mixed-Observable Markov Decision Processes. , 2023, , .		0
835	Answerable and Unanswerable Questions in Decision and Risk Analysis. Profiles in Operations Research, 2023, , 105-156.	0.3	0
837	The Design ofÂTransparency Communication forÂHuman-Multirobot Teams. Lecture Notes in Computer Science, 2023, , 311-321.	1.0	0
844	Banded Controllers for Scalable POMDP Decision-Making. , 2023, , .		0
845	COLREGs-compliant autonomous collision avoidance method based on deep reinforcement learning for USVs. , 2023, , .		0
846	Deterministic Weighted Automata Under Partial Observability. Lecture Notes in Computer Science, 2023, , 771-784.	1.0	0
848	Online Parameter Estimation in Partially Observed Markov Decision Processes. , 2023, , .		0
850	Recurrent Macro Actions Generator for POMDP Planning. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
852	Improving Online POMDP Planning Algorithms with Decaying Q Value. , 2023, , .		0
854	Optimal Scheduling Policies for Remote Estimation of Autoregressive Markov Processes Over Time-Correlated Fading Channel. , 2023, , .		1
855	Selective Negotiations for Scaling Stochastic Dynamic Games. , 2023, , .		0