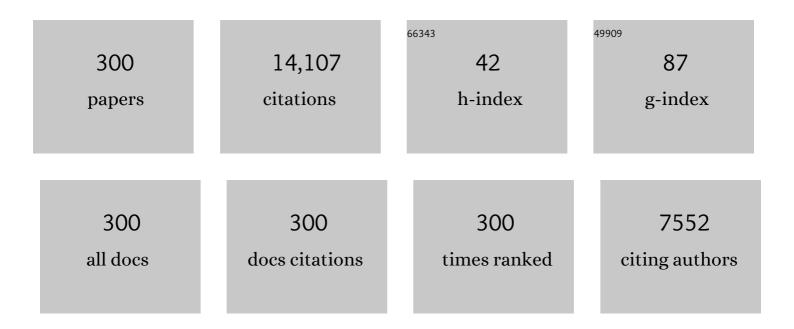
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	MADER: Trajectory Planner in Multiagent and Dynamic Environments. IEEE Transactions on Robotics, 2022, 38, 463-476.	10.3	47
2	Certifiable Robustness to Adversarial State Uncertainty in Deep Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4184-4198.	11.3	9
3	FASTER: Fast and Safe Trajectory Planner for Navigation in Unknown Environments. IEEE Transactions on Robotics, 2022, 38, 922-938.	10.3	41
4	Communication-Aware Consensus-Based Decentralized Task Allocation in Communication Constrained Environments. IEEE Access, 2022, 10, 19753-19767.	4.2	7
5	PANTHER: Perception-Aware Trajectory Planner in Dynamic Environments. IEEE Access, 2022, 10, 22662-22677.	4.2	20
6	MINVO Basis: Finding Simplexes with Minimum Volume Enclosing Polynomial Curves. CAD Computer Aided Design, 2022, 151, 103341.	2.7	9
7	A resource-aware approach to collaborative loop-closure detection with provable performance guarantees. International Journal of Robotics Research, 2021, 40, 1212-1233.	8.5	15
8	Robust Adaptive Control Barrier Functions: An Adaptive and Data-Driven Approach to Safety. , 2021, 5, 1031-1036.		83
9	Distributed Certifiably Correct Pose-Graph Optimization. IEEE Transactions on Robotics, 2021, 37, 2137-2156.	10.3	30
10	Collision Avoidance in Pedestrian-Rich Environments With Deep Reinforcement Learning. IEEE Access, 2021, 9, 10357-10377.	4.2	86
11	Human Trajectory Prediction Using Similarity-Based Multi-Model Fusion. IEEE Robotics and Automation Letters, 2021, 6, 715-722.	5.1	11
12	Where to go Next: Learning a Subgoal Recommendation Policy for Navigation in Dynamic Environments. IEEE Robotics and Automation Letters, 2021, 6, 4616-4623.	5.1	32
13	Robustness Analysis of Neural Networks via Efficient Partitioning With Applications in Control Systems. , 2021, 5, 2114-2119.		12
14	Airborne Sensing for Ship Air Wake Surveys with a Tethered Autonomous UAV. , 2021, , .		2
15	Kimera-Multi: a System for Distributed Multi-Robot Metric-Semantic Simultaneous Localization and Mapping. , 2021, , .		28
16	Efficient Reachability Analysis of Closed-Loop Systems with Neural Network Controllers. , 2021, , .		6
17	Reachability Analysis of Neural Feedback Loops. IEEE Access, 2021, 9, 163938-163953.	4.2	23
18	CLEAR: A Consistent Lifting, Embedding, and Alignment Rectification Algorithm for Multiview Data Association. IEEE Transactions on Robotics, 2020, 36, 1686-1703.	10.3	11

#	Article	IF	CITATIONS
19	SILA: An Incremental Learning Approach for Pedestrian Trajectory Prediction. , 2020, , .		7
20	Asynchronous and Parallel Distributed Pose Graph Optimization. IEEE Robotics and Automation Letters, 2020, 5, 5819-5826.	5.1	19
21	A Distributed Pipeline for Scalable, Deconflicted Formation Flying. IEEE Robotics and Automation Letters, 2020, 5, 5213-5220.	5.1	15
22	Multi-Agent Motion Planning for Dense and Dynamic Environments via Deep Reinforcement Learning. IEEE Robotics and Automation Letters, 2020, 5, 3221-3226.	5.1	69
23	Onboard Detection and Localization of Drones Using Depth Maps. IEEE Access, 2020, 8, 30480-30490.	4.2	33
24	Crossmodal attentive skill learner: learning in Atari and beyond with audio–video inputs. Autonomous Agents and Multi-Agent Systems, 2020, 34, 1.	2.1	1
25	VPS-SLAM: Visual Planar Semantic SLAM for Aerial Robotic Systems. IEEE Access, 2020, 8, 60704-60718.	4.2	60
26	Search and Rescue Under the Forest Canopy Using Multiple UAS. Springer Proceedings in Advanced Robotics, 2020, , 140-152.	1.3	11
27	Dynamic Clustering Algorithms via Small-Variance Analysis of Markov Chain Mixture Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1338-1352.	13.9	10
28	Automatic Pan–Tilt Camera Control for Learning Dirichlet Process Gaussian Process (DPGP) Mixture Models of Multiple Moving Targets. IEEE Transactions on Automatic Control, 2019, 64, 159-173.	5.7	16
29	Real-Time Planning with Multi-Fidelity Models for Agile Flights in Unknown Environments. , 2019, , .		20
30	FASTER: Fast and Safe Trajectory Planner for Flights in Unknown Environments. , 2019, , .		96
31	Vision-Based Multirotor Following Using Synthetic Learning Techniques. Sensors, 2019, 19, 4794.	3.8	5
32	Dynamic Tube MPC for Nonlinear Systems. , 2019, , .		55
33	Failure-Adverse Closed-Loop Statistical Verification. , 2019, , .		0
34	Partial Replanning for Decentralized Dynamic Task Allocation. , 2019, , .		33
35	Active Sampling-Based Binary Verification of Dynamical Systems. , 2018, , .		8
36	Motion Planning Among Dynamic, Decision-Making Agents with Deep Reinforcement Learning. , 2018, , .		317

Motion Planning Among Dynamic, Decision-Making Agents with Deep Reinforcement Learning. , 2018, , . 36

#	Article	IF	CITATIONS
37	Transferable Pedestrian Motion Prediction Models at Intersections. , 2018, , .		12
38	Talk Resource-Efficiently to Me: Optimal Communication Planning for Distributed Loop Closure Detection. , 2018, , .		22
39	Learning in the Curbside Coordinate Frame for a Transferable Pedestrian Trajectory Prediction Model. , 2018, , .		10
40	Gaussian Processes for Learning and Control: A Tutorial with Examples. IEEE Control Systems, 2018, 38, 53-86.	0.8	63
41	Autonomous task allocation for multi-UAV systems based on the locust elastic behavior. Applied Soft Computing Journal, 2018, 71, 110-126.	7.2	44
42	Machine Learning for Efficient Sampling-Based Algorithms in Robust Multi-Agent Planning Under Uncertainty. , 2017, , .		3
43	Decentralized Task Allocation Using Local Information Consistency Assumptions. Journal of Aerospace Information Systems, 2017, 14, 103-122.	1.4	18
44	Decentralized control of multi-robot partially observable Markov decision processes using belief space macro-actions. International Journal of Robotics Research, 2017, 36, 231-258.	8.5	44
45	Decentralized non-communicating multiagent collision avoidance with deep reinforcement learning. , 2017, , .		319
46	Aggressive 3-D collision avoidance for high-speed navigation. , 2017, , .		77
47	Semantic-level decentralized multi-robot decision-making using probabilistic macro-observations. , 2017, , .		1
48	Socially aware motion planning with deep reinforcement learning. , 2017, , .		429
49	Human-Autonomy Teaming Using Flexible Human Performance Models: An Initial Pilot Study. Advances in Intelligent Systems and Computing, 2017, , 211-224.	0.6	7
50	Aggressive collision avoidance with limited field-of-view sensing. , 2017, , .		30
51	Learning for multi-robot cooperation in partially observable stochastic environments with macro-actions. , 2017, , .		15
52	Online Regression for Data With Changepoints Using Gaussian Processes and Reusable Models. IEEE Transactions on Neural Networks and Learning Systems, 2016, 28, 1-14.	11.3	7
53	Graph-based Cross Entropy method for solving multi-robot decentralized POMDPs. , 2016, , .		11

#	Article	IF	CITATIONS
55	Policy search for multi-robot coordination under uncertainty. International Journal of Robotics Research, 2016, 35, 1760-1778.	8.5	35
56	Region-of-convergence estimation for learning-based adaptive controllers. , 2016, , .		5
57	Motion planning with diffusion maps. , 2016, , .		12
58	Dynamic arrival rate estimation for campus Mobility On Demand network graphs. , 2016, , .		11
59	SLAM with objects using a nonparametric pose graph. , 2016, , .		57
60	Adaptive mission planning for coupled human-robot teams. , 2016, , .		8
61	Distributed Control and Estimation of Robotic Vehicle Networks [About This Issue]. IEEE Control Systems, 2016, 36, 5-7.	0.8	1
62	The role of information assumptions in decentralized task allocation: A tutorial. IEEE Control Systems, 2016, 36, 45-58.	0.8	23
63	Case Studies in Data-Driven Verification of Dynamical Systems. , 2016, , .		17
64	Wind Uncertainty Modeling and Robust Trajectory Planning for Autonomous Parafoils. Journal of Guidance, Control, and Dynamics, 2016, 39, 1614-1630.	2.8	26
65	Measurable Augmented Reality for Prototyping Cyberphysical Systems: A Robotics Platform to Aid the Hardware Prototyping and Performance Testing of Algorithms. IEEE Control Systems, 2016, 36, 65-87.	0.8	16
66	Information value in nonparametric Dirichlet-process Gaussian-process (DPGP) mixture models. Automatica, 2016, 74, 360-368.	5.0	10
67	Autonomous drifting using simulation-aided reinforcement learning. , 2016, , .		45
68	Health-Aware Multi-UAV Planning using Decentralized Partially Observable Semi-Markov Decision Processes. , 2016, , .		6
69	Predictive Modeling of Pedestrian Motion Patterns with Bayesian Nonparametrics. , 2016, , .		13
70	Potential Game-Theoretic Analysis of a Market-Based Decentralized Task Allocation Algorithm. Springer Tracts in Advanced Robotics, 2016, , 207-220.	0.4	5
71	The Hybrid Information and Plan Consensus Algorithm with Imperfect Situational Awareness. Springer Tracts in Advanced Robotics, 2016, , 221-233.	0.4	16
72	MAR-CPS: Measurable Augmented Reality for Prototyping Cyber-Physical Systems. , 2015, , .		15

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73	Online heterogeneous multiagent learning under limited communication with applications to forest fire management. , 2015, , .		6
74	A Situationally Aware Voice ommandable Robotic Forklift Working Alongside People in Unstructured Outdoor Environments. Journal of Field Robotics, 2015, 32, 590-628.	6.0	24
75	Real-World Reinforcement Learning via Multifidelity Simulators. IEEE Transactions on Robotics, 2015, 31, 655-671.	10.3	31
76	Bayesian Nonparametric Reward Learning From Demonstration. IEEE Transactions on Robotics, 2015, 31, 369-386.	10.3	37
77	Robust State Estimation with Sparse Outliers. Journal of Guidance, Control, and Dynamics, 2015, 38, 1229-1240.	2.8	20
78	Decentralized control of Partially Observable Markov Decision Processes using belief space macro-actions. , 2015, , .		34
79	Top Equations in the Field [From the Editor]. IEEE Control Systems, 2015, 35, 6-8.	0.8	2
80	Robust incremental SLAM with consistency-checking. , 2015, , .		25
81	Hybrid model reference adaptive control for unmatched uncertainties. , 2015, , .		7
82	Bayesian nonparametric set construction for robust optimization. , 2015, , .		23
83	Vehicular Control [About This Issue]. IEEE Control Systems, 2015, 35, 9-11.	0.8	0
84	Small-variance nonparametric clustering on the hypersphere. , 2015, , .		16
85	Planning for decentralized control of multiple robots under uncertainty. , 2015, , .		55
86	Analysis and Control of a Variable-Pitch Quadrotor for Agile Flight. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	1.6	57
87	Bayesian Nonparametric Adaptive Control Using Gaussian Processes. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 537-550.	11.3	116
88	Efficient reinforcement learning for robots using informative simulated priors. , 2015, , .		43
89	Importance-Weighted Adaptive Search for Multi-Class Targets. IEEE Transactions on Signal Processing, 2015, 63, 6299-6314.	5.3	0
90	Learning and Predicting Pilot Behavior in Uncontrolled Airspace. , 2015, , .		5

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91	Decoupled multiagent path planning via incremental sequential convex programming. , 2015, , .		96
92	An Automated Battery Management System to Enable Persistent Missions With Multiple Aerial Vehicles. IEEE/ASME Transactions on Mechatronics, 2015, 20, 275-286.	5.8	99
93	Linear Flight Control Techniques for Unmanned Aerial Vehicles. , 2015, , 529-576.		11
94	Cooperative Mission Planning for Multi-UAV Teams. , 2015, , 1447-1490.		44
95	Real-Time Predictive Modeling and Robust Avoidance of Pedestrians with Uncertain, Changing Intentions. Springer Tracts in Advanced Robotics, 2015, , 161-177.	0.4	22
96	Experimental Validation of Bayesian Nonparametric Adaptive Control Using Gaussian Processes. Journal of Aerospace Information Systems, 2014, 11, 565-578.	1.4	18
97	Reinforcement learning with multi-fidelity simulators. , 2014, , .		30
98	Convergence analysis of the Hybrid Information and Plan Consensus Algorithm. , 2014, , .		5
99	Health aware stochastic planning for persistent package delivery missions using quadrotors. , 2014, , .		30
100	Human aware UAS path planning in urban environments using nonstationary MDPs. , 2014, , .		11
101	Planning for large-scale multiagent problems via hierarchical decomposition with applications to UAV health management. , 2014, , .		14
102	An optimizing sampling-based motion planner with guaranteed robustness to bounded uncertainty. , 2014, , .		8
103	Efficient distributed sensing using adaptive censoring-based inference. Automatica, 2014, 50, 1590-1602.	5.0	15
104	Robust simultaneous localization and mapping via information matrix estimation. , 2014, , .		7
105	Camera control for learning nonlinear target dynamics via Bayesian nonparametric Dirichlet-process Gaussian-process (DP-GP) models. , 2014, , .		6
106	Distributed Learning for Planning Under Uncertainty Problems with Heterogeneous Teams. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 529-544.	3.4	8
107	Off-policy reinforcement learning with Gaussian processes. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 227-238.	13.1	22
108	Intelligent Cooperative Control Architecture: A Framework for Performance Improvement Using Safe Learning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 72, 83-103.	3.4	24

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109	An outer-approximation approach for information-maximizing sensor selection. Optimization Letters, 2013, 7, 745-764.	1.6	13
110	Probabilistically safe motion planning to avoid dynamic obstacles with uncertain motion patterns. Autonomous Robots, 2013, 35, 51-76.	4.8	195
111	Decentralized learning-based planning for multiagent missions in the presence of actuator failures. , 2013, , .		4
112	Reinforcement learning with misspecified model classes. , 2013, , .		6
113	Concurrent Learning Adaptive Model Predictive Control. , 2013, , 29-47.		32
114	Bayesian Nonparameteric Model Reference Adaptive Control using Gaussian Processes. , 2013, , .		5
115	Dynamic Mission Planning for Communication Control in Multiple Unmanned Aircraft Teams. Unmanned Systems, 2013, 01, 41-58.	3.6	38
116	Robust Trajectory Planning for Autonomous Parafoils under Wind Uncertainty. , 2013, , .		15
117	Distributed Learning for Large-scale Planning Under Uncertainty Problems with Heterogeneous Teams. , 2013, , .		0
118	Adaptive-Optimal Control of Constrained Nonlinear Uncertain Dynamical Systems using Concurrent Learning Model Predictive Control. , 2013, , .		2
119	Value-of-information aware active task assignment. , 2013, , .		3
120	Nonparametric adaptive control using Gaussian Processes with online hyperparameter estimation. , 2013, , .		16
121	A concurrent learning adaptive-optimal control architecture for nonlinear systems. , 2013, , .		12
122	Scalable reward learning from demonstration. , 2013, , .		10
123	Bayesian nonparametric adaptive control of time-varying systems using Gaussian processes. , 2013, , .		21
124	Multiagent allocation of Markov decision process tasks. , 2013, , .		11
125	Efficient distributed sensing using adaptive censoring based inference. , 2013, , .		1

126 Hybrid Information and Plan Consensus in Distributed Task Allocation. , 2013, , .

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127	Lightweight infrared sensing for relative navigation of quadrotors. , 2013, , .		12
128	Rapid transfer of controllers between UAVs using learning-based adaptive control. , 2013, , .		10
129	Information-Theoretic Motion Planning for Constrained Sensor Networks. Journal of Aerospace Information Systems, 2013, 10, 476-496.	1.4	15
130	A Bayesian nonparametric approach to adaptive control using Gaussian Processes. , 2013, , .		13
131	A Tutorial on Linear Function Approximators for Dynamic Programming and Reinforcement Learning. Foundations and Trends in Machine Learning, 2013, 6, 375-451.	69.0	74
132	Robust Sampling-based Motion Planning with Asymptotic Optimality Guarantees. , 2013, , .		71
133	Value-of Information Aware Active Task Assignment. , 2013, , .		0
134	Health Aware Planning under uncertainty for UAV missions with heterogeneous teams. , 2013, , .		15
135	Experimental Results of Concurrent Learning Adaptive Controllers. , 2012, , .		13
136	Experimental Demonstration of Multi-Agent Learning and Planning under Uncertainty for Persistent Missions with Automated Battery Management. , 2012, , .		6
137	Flight Testing a Heterogeneous Multi-UAV System with Human Supervision. , 2012, , .		14
138	Model Reference Adaptive Control using Nonparametric Adaptive Elements. , 2012, , .		19
139	Allowing non-submodular score functions in distributed task allocation. , 2012, , .		21
140	Model estimation within planning and learning. , 2012, , .		3
141	Actuator Constrained Trajectory Generation and Control for Variable-Pitch Quadrotors. , 2012, , .		68
142	Distributed chance-constrained task allocation for autonomous multi-agent teams. , 2012, , .		29
143	Operator Object Function Guidance for a Real-Time Unmanned Vehicle Scheduling Algorithm. Journal of Aerospace Computing, Information, and Communication, 2012, 9, 161-173.	0.8	24

144 Improving the efficiency of Bayesian inverse reinforcement learning. , 2012, , .

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145	Planning under Uncertainty using Bayesian Nonparametric Models. , 2012, , .		2
146	Multi-UAV network control through dynamic task allocation: Ensuring data-rate and bit-error-rate support. , 2012, , .		15
147	Scalable, MDP-based planning for multiple, cooperating agents. , 2012, , .		8
148	Driver Behavior Classification at Intersections and Validation on Large Naturalistic Data Set. IEEE Transactions on Intelligent Transportation Systems, 2012, 13, 724-736.	8.0	191
149	Robust Adaptive Markov Decision Processes: Planning with Model Uncertainty. IEEE Control Systems, 2012, 32, 96-109.	0.8	20
150	Guest Editorial: Communications Challenges and Dynamics for Unmanned Autonomous Vehicles. IEEE Journal on Selected Areas in Communications, 2012, 30, 849-851.	14.0	6
151	Distributed Planning Strategies to Ensure Network Connectivity for Dynamic Heterogeneous Teams. IEEE Journal on Selected Areas in Communications, 2012, 30, 861-869.	14.0	67
152	Adaptive Planning for Markov Decision Processes with Uncertain Transition Models via Incremental Feature Dependency Discovery. Lecture Notes in Computer Science, 2012, , 99-115.	1.3	15
153	Guaranteed infinite horizon avoidance of unpredictable, dynamically constrained obstacles. Autonomous Robots, 2012, 32, 227-242.	4.8	58
154	Decentralized path planning for multi-agent teams with complex constraints. Autonomous Robots, 2012, 32, 385-403.	4.8	92
155	A hyperparameter consensus method for agreement under uncertainty. Automatica, 2012, 48, 374-380.	5.0	15
156	The Impact of Human–Automation Collaboration in Decentralized Multiple Unmanned Vehicle Control. Proceedings of the IEEE, 2012, 100, 660-671.	21.3	57
157	Bayesian Nonparametric Inverse Reinforcement Learning. Lecture Notes in Computer Science, 2012, , 148-163.	1.3	24
158	Decentralized risk sharing in teams of unmanned vehicles. , 2011, , .		0
159	Design and flight testing of an autonomous variable-pitch quadrotor. , 2011, , .		26
160	Efficient Targeting of Sensor Networks for Large-Scale Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 1569-1577.	5.2	25
161	Coordinated Targeting of Mobile Sensor Networks for Ensemble Forecast Improvement. IEEE Sensors Journal, 2011, 11, 621-633.	4.7	23
162	Cooperative Distributed Robust Trajectory Optimization Using Receding Horizon MILP. IEEE Transactions on Control Systems Technology, 2011, 19, 423-431.	5.2	142

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163	Throughput Optimization in Mobile Backbone Networks. IEEE Transactions on Mobile Computing, 2011, 10, 560-572.	5.8	19
164	Automated Battery Swap and Recharge to Enable Persistent UAV Missions. , 2011, , .		51
165	Asynchronous Decentralized Task Allocation for Dynamic Environments. , 2011, , .		40
166	Ensuring Network Connectivity for Decentralized Planning in Dynamic Environments. , 2011, , .		8
167	Collaborative Sensor Fusion and Management for Multiple UAVs. , 2011, , .		9
168	Mobile Agent Trajectory Prediction using Bayesian Nonparametric Reachability Trees. , 2011, , .		54
169	Information-rich Task Allocation and Motion Planning for Heterogeneous Sensor Platforms. , 2011, , .		3
170	Probabilistic Feasibility for Nonlinear Systems with Non-Gaussian Uncertainty using RRT. , 2011, , .		11
171	Active Exploration in Robust Unmanned Vehicle Task Assignment. Journal of Aerospace Computing, Information, and Communication, 2011, 8, 250-268.	0.8	12
172	Decentralized Information-Rich Planning and Hybrid Sensor Fusion for Uncertainty Reduction in Human-Robot Missions. , 2011, , .		6
173	Multi-Agent Planning for Persistent Missions with Automated Battery Management. , 2011, , .		7
174	Real-time dynamic planning to maintain network connectivity in a team of unmanned air vehicles. , 2011, , ,		8
175	Comparison of Fixed and Variable Pitch Actuators for Agile Quadrotors. , 2011, , .		76
176	Decentralized task allocation with coupled constraints in complex missions. , 2011, , .		49
177	Behavior classification algorithms at intersections and validation using naturalistic data. , 2011, , .		64
178	A decentralized approach to multi-agent planning in the presence of constraints and uncertainty. , 2011, , .		8
179	UAV cooperative control with stochastic risk models. , 2011, , .		12
180	Region of attraction comparison for gradient projection anti-windup compensated systems. , 2011, , .		1

#	Article	IF	CITATIONS
181	Decentralized path planning for multi-agent teams in complex environments using rapidly-exploring random trees. , 2011, , .		50
182	Actor-Critic Policy Learning in Cooperative Planning. , 2010, , .		5
183	Sampling-Based Threat Assessment Algorithms for Intersection Collisions Involving Errant Drivers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 581-586.	0.4	9
184	Chance Constrained RRT for Probabilistic Robustness to Environmental Uncertainty. , 2010, , .		119
185	Continuous trajectory planning of mobile sensors for informative forecasting. Automatica, 2010, 46, 1266-1275.	5.0	58
186	Analysis of mutual information for informative forecasting using mobile sensors. , 2010, , .		1
187	Bounds on tracking error using closed-loop rapidly-exploring random trees. , 2010, , .		39
188	Avoid communication outages in decentralized planning. , 2010, , .		0
189	Threat-aware path planning in uncertain urban environments. , 2010, , .		33
190	Analysis of gradient projection anti-windup scheme. , 2010, , .		2
191	A voice-commandable robotic forklift working alongside humans in minimally-prepared outdoor environments. , 2010, , .		43
192	Autonomous driving in urban environments: approaches, lessons and challenges. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4649-4672.	3.4	238
193	Decentralized planning for complex missions with dynamic communication constraints. , 2010, , .		77
194	Air-Combat Strategy Using Approximate Dynamic Programming. Journal of Guidance, Control, and Dynamics, 2010, 33, 1641-1654.	2.8	156
195	Geometric properties of gradient projection anti-windup compensated systems. , 2010, , .		4
196	An online algorithm for constrained POMDPs. , 2010, , .		26
197	An intelligent Cooperative Control Architecture. , 2010, , .		16
198	Predictive Planning for Heterogeneous Human-Robot Teams. , 2010, , .		20

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199	Information-Rich Path Planning with General Constraints Using Rapidly-Exploring Random Trees. , 2010, , .		37
200	A Cross-Entropy Based Approach for UAV Task Allocation with Nonlinear Reward. , 2010, , .		4
201	Improving the Efficiency of a Decentralized Tasking Algorithm for UAV Teams with Asynchronous Communications. , 2010, , .		43
202	Proportional-Integral Controllers for Minimum-Phase Nonaffine-in-Control Systems. IEEE Transactions on Automatic Control, 2010, 55, 1477-1483.	5.7	32
203	Threat assessment design for driver assistance system at intersections. , 2010, , .		73
204	Learning the Covariance Dynamics of a Large-Scale Environment for Informative Path Planning of Unmanned Aerial Vehicle Sensors. International Journal of Aeronautical and Space Sciences, 2010, 11, 326-337.	2.0	5
205	On Approximate Dynamic Inversion and Proportional-Integral control. , 2009, , .		7
206	On the roles of smoothing in planning of informative paths. , 2009, , .		7
207	Robust adaptive Markov Decision Processes in multi-vehicle applications. , 2009, , .		4
208	Increasing autonomy of UAVs. IEEE Robotics and Automation Magazine, 2009, 16, 43-51.	2.0	74
209	L1 Adaptive Control for Indoor Autonomous Vehicles: Design Process and Flight Testing. , 2009, , .		46
210	Real-Time Motion Planning With Applications to Autonomous Urban Driving. IEEE Transactions on Control Systems Technology, 2009, 17, 1105-1118.	5.2	676
211	Active Learning in Persistent Surveillance UAV Missions. , 2009, , .		3
212	Multi-UAV Persistent Surveillance with Communication Constraints and Health Mangement. , 2009, , .		29
213	Reaching Consensus with Imprecise Probabilities over a Network. , 2009, , .		2
214	Real-Time Multi-UAV Task Assignment in Dynamic and Uncertain Environments. , 2009, , .		82
215	Learning Covariance Dynamics for Path Planning of UAV Sensors in a Large-Scale Dynamic Environment. , 2009, , .		4
216	Approximate dynamic programming using Bellman residual elimination and Gaussian process regression. , 2009, , .		11

#	Article	IF	CITATIONS
217	Vision-based guidance and control of a hovering vehicle in unknown, GPS-denied environments. , 2009, , .		100
218	Anti-windup compensation for nonlinear systems via gradient projection: Application to adaptive control. , 2009, , .		11
219	Consensus-Based Decentralized Auctions for Robust Task Allocation. IEEE Transactions on Robotics, 2009, 25, 912-926.	10.3	680
220	The MIT – Cornell Collision and Why It Happened. Springer Tracts in Advanced Robotics, 2009, , 509-548.	0.4	9
221	A Perception-Driven Autonomous Urban Vehicle. Springer Tracts in Advanced Robotics, 2009, , 163-230.	0.4	19
222	A robust approach to the UAV task assignment problem. International Journal of Robust and Nonlinear Control, 2008, 18, 118-134.	3.7	46
223	A perceptionâ€driven autonomous urban vehicle. Journal of Field Robotics, 2008, 25, 727-774.	6.0	364
224	The MIT–Cornell collision and why it happened. Journal of Field Robotics, 2008, 25, 775-807.	6.0	73
225	Real-time indoor autonomous vehicle test environment. IEEE Control Systems, 2008, 28, 51-64.	0.8	334
226	Experimental Demonstration of Adaptive MDP-Based Planning with Model Uncertainty. , 2008, , .		20
227	Consensus-Based Auction Approaches for Decentralized Task Assignment. , 2008, , .		63
228	Motion Planning in Complex Environments Using Closed-loop Prediction. , 2008, , .		106
229	Motion planning for urban driving using RRT. , 2008, , .		158
230	Two-stage path planning approach for solving multiple spacecraft reconfiguration maneuvers. Journal of the Astronautical Sciences, 2008, 56, 515-544.	1.5	17
231	Equivalence between Approximate Dynamic Inversion and Proportional-Integral control. , 2008, , .		8
232	Group health management of UAV teams with applications to persistent surveillance. , 2008, , .		51
233	Continuous motion planning for information forecast. , 2008, , .		6
234	Approximate dynamic programming using support vector regression. , 2008, , .		14

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235	Safe Trajectories for Autonomous Rendezvous of Spacecraft. Journal of Guidance, Control, and Dynamics, 2008, 31, 1478-1489.	2.8	188
236	Unbiased Kalman Consensus Algorithm. Journal of Aerospace Computing, Information, and Communication, 2008, 5, 298-311.	0.8	9
237	Simultaneous placement and assignment for exploration in mobile backbone networks. , 2008, , .		2
238	Optimization of mobile backbone networks: Improved algorithms and approximation. , 2008, , .		4
239	An outer-approximation algorithm for generalized maximum entropy sampling. , 2008, , .		3
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