

Emilio Frazzoli

List of Publications by Year in descending order

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218
papers

15,612
citations

109321

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218
times ranked

9489
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Synthesis of Symbolic Abstractions With Guaranteed Confidence. , 2023, 7, 253-258.		7
2	Constructing MDP Abstractions Using Data With Formal Guarantees. , 2023, 7, 460-465.		7
3	Analysis and Control of Autonomous Mobility-on-Demand Systems. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 633-658.	11.8	34
4	Posetal Games: Efficiency, Existence, and Refinement of Equilibria in Games With Prioritized Metrics. IEEE Robotics and Automation Letters, 2022, 7, 1292-1299.	5.1	6
5	Bacterial chemotaxis to saccharides is governed by a trade-off between sensing and uptake. Biophysical Journal, 2022, 121, 2046-2059.	0.5	1
6	Quantifying the Efficiency of Ride Sharing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5811-5816.	8.0	30
7	Simultaneous mode, input and state estimation for switched linear stochastic systems. International Journal of Robust and Nonlinear Control, 2021, 31, 640-661.	3.7	3
8	Scalable Model Predictive Control for Autonomous Mobility-on-Demand Systems. IEEE Transactions on Control Systems Technology, 2021, 29, 635-644.	5.2	21
9	From driverless dilemmas to more practical commonsense tests for automated vehicles. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	27
10	Minimum-Violation Planning for Autonomous Systems: Theoretical and Practical Considerations. , 2021, , .		13
11	Simulation-Based Assessment of Parking Constraints for Automated Mobility on Demand: A Case Study of Zurich. Vehicles, 2021, 3, 272-286.	3.1	2
12	Urban Driving Games With Lexicographic Preferences and Socially Efficient Nash Equilibria. IEEE Robotics and Automation Letters, 2021, 6, 4978-4985.	5.1	15
13	Hierarchical Multiobjective Shortest Path Problems. Springer Proceedings in Advanced Robotics, 2021, , 261-276.	1.3	1
14	Image Representation of a City and Its Taxi Fleet for End-To-End Learning of Rebalancing Policies. , 2021, , .		1
15	Co-Design of Autonomous Systems: From Hardware Selection to Control Synthesis. , 2021, , .		14
16	Co-design of Embodied Intelligence: A Structured Approach. , 2021, , .		9
17	The +1 Method: Model-Free Adaptive Repositioning Policies for Robotic Multi-Agent Systems. IEEE Transactions on Network Science and Engineering, 2020, 7, 3171-3184.	6.4	24
18	Impact of vehicle automation and electric propulsion on production costs for mobility services worldwide. Transportation Research, Part A: Policy and Practice, 2020, 138, 105-126.	4.2	27

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19	The AI Driving Olympics at NeurIPS 2018. The Springer Series on Challenges in Machine Learning, 2020, , 37-68.	10.4	5
20	On the Co-Design of AV-Enabled Mobility Systems. , 2020, , .		8
21	Efficient Nearest-Neighbor Search for Dynamical Systems with Nonholonomic Constraints. Springer Proceedings in Advanced Robotics, 2020, , 608-623.	1.3	1
22	Integrated Benchmarking and Design for Reproducible and Accessible Evaluation of Robotic Agents. , 2020, , .		7
23	Wormhole Learning. , 2019, , .		2
24	What lies in the shadows? Safe and computation-aware motion planning for autonomous vehicles using intent-aware dynamic shadow regions. , 2019, , .		27
25	Liability, Ethics, and Culture-Aware Behavior Specification using Rulebooks. , 2019, , .		62
26	Model Predictive Control of Ride-sharing Autonomous Mobility-on-Demand Systems. , 2019, , .		35
27	Imbalance in Mobility-on-Demand Systems. ACM Transactions on Spatial Algorithms and Systems, 2019, 5, 1-22.	1.4	6
28	On Maximizing Lateral Clearance of an Autonomous Vehicle in Urban Environments. , 2019, , .		5
29	Today Me, Tomorrow Thee: Efficient Resource Allocation in Competitive Settings using Karma Games. , 2019, , .		8
30	Learning to Operate a Fleet of Cars. , 2019, , .		8
31	Regulation of Linear Systems Using Event-Based Detection Sensors. IEEE Transactions on Automatic Control, 2019, 64, 373-380.	5.7	4
32	Locally-optimal multi-robot navigation under delaying disturbances using homotopy constraints. Autonomous Robots, 2018, 42, 895-907.	4.8	17
33	Asymptotically Optimal Pruning for Nonholonomic Nearest-Neighbor Search. , 2018, , .		5
34	Fleet Sizing in Vehicle Sharing Systems with Service Quality Guarantees. , 2018, , .		2
35	Adaptive Optimal Receding-Horizon Robot Navigation via Short-Term Policy Development. , 2018, , .		2
36	AMoDeus, a Simulation-Based Testbed for Autonomous Mobility-on-Demand Systems. , 2018, , .		37

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37	Guest editorial: Special issue on distributed robotics“from fundamentals to applications. Autonomous Robots, 2018, 42, 1521-1523.	4.8	2
38	Inertial Properties Estimation of a Passive On-orbit Object Using Polhode Analysis. Journal of Guidance, Control, and Dynamics, 2018, 41, 2214-2231.	2.8	20
39	Switching and Data Injection Attacks on Stochastic Cyber-Physical Systems. ACM Transactions on Cyber-Physical Systems, 2018, 2, 1-2.	2.5	30
40	Analysis of Price of Total Anarchy in Congestion Games via Smoothness Arguments. IEEE Transactions on Control of Network Systems, 2017, 4, 876-885.	3.7	5
41	Verification and Synthesis of Admissible Heuristics for Kinodynamic Motion Planning. IEEE Robotics and Automation Letters, 2017, 2, 648-655.	5.1	11
42	Numerical Approach to Reachability-Guided Sampling-Based Motion Planning Under Differential Constraints. IEEE Robotics and Automation Letters, 2017, 2, 1232-1239.	5.1	15
43	Supermodular Batch State Estimation in Optimal Sensor Scheduling. , 2017, 1, 292-297.		2
44	On-demand high-capacity ride-sharing via dynamic trip-vehicle assignment. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 462-467.	7.1	740
45	Iterative Tuning With Reactive Compensation for Urban Traffic Signal Control. IEEE Transactions on Control Systems Technology, 2017, 25, 2047-2059.	5.2	10
46	Duckietown: An open, inexpensive and flexible platform for autonomy education and research. , 2017, , .		114
47	Simultaneous Input and State Estimation for Linear Time-Varying Continuous-Time Stochastic Systems. IEEE Transactions on Automatic Control, 2017, 62, 2531-2538.	5.7	17
48	Supermodular mean squared error minimization for sensor scheduling in optimal Kalman Filtering. , 2017, , .		15
49	Ridepooling with trip-chaining in a shared-vehicle mobility-on-demand system. , 2017, , .		9
50	Landmark guided probabilistic roadmap queries. , 2017, , .		2
51	Stabilization of stochastic linear continuous-time systems using noisy neuromorphic vision sensors. , 2017, , .		1
52	Torque efficient motion through singularity. , 2017, , .		4
53	Selection of input primitives for the generalized label correcting method. , 2017, , .		0
54	Revisiting Street Intersections Using Slot-Based Systems. PLoS ONE, 2016, 11, e0149607.	2.5	155

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55	A Survey of Motion Planning and Control Techniques for Self-Driving Urban Vehicles. IEEE Transactions on Intelligent Vehicles, 2016, 1, 33-55.	12.7	1,540
56	Fast Joint Compatibility Branch and Bound for feature cloud matching. , 2016, , .		7
57	Provably safe and deadlock-free execution of multi-robot plans under delaying disturbances. , 2016, , .		10
58	Back-pressure traffic signal control with partial routing control. , 2016, , .		11
59	Robust and resilient estimation for Cyber-Physical Systems under adversarial attacks. , 2016, , .		19
60	Vehicle routing for shared-mobility systems with time-varying demand. , 2016, , .		13
61	Simulation Framework for Rebalancing of Autonomous Mobility on Demand Systems. MATEC Web of Conferences, 2016, 81, 01005.	0.2	22
62	Adaptive hidden mode tracking control with input constraints and bounded disturbances. , 2016, , .		1
63	Microsimulation of Demand and Supply of Autonomous Mobility On Demand. Transportation Research Record, 2016, 2564, 21-30.	1.9	90
64	Hybrid centralized/distributed autonomous intersection control: Using a job scheduler as a planner and inheriting its efficiency guarantees. , 2016, , .		15
65	Stabilization of linear continuous-time systems using neuromorphic vision sensors. , 2016, , .		6
66	RRT ^X : Asymptotically optimal single-query sampling-based motion planning with quick replanning. International Journal of Robotics Research, 2016, 35, 797-822.	8.5	147
67	Iterative tuning strategy for setting phase splits with anticipation of traffic demand in urban traffic network. IET Control Theory and Applications, 2016, 10, 1469-1479.	2.1	4
68	Efficient collision checking in sampling-based motion planning via safety certificates. International Journal of Robotics Research, 2016, 35, 767-796.	8.5	36
69	POMDP-lite for robust robot planning under uncertainty. , 2016, , .		26
70	An incremental sampling-based algorithm for stochastic optimal control. International Journal of Robotics Research, 2016, 35, 305-333.	8.5	8
71	Teleoperation of On-Road Vehicles via Immersive Telepresence Using Off-the-shelf Components. Advances in Intelligent Systems and Computing, 2016, , 1419-1433.	0.6	23
72	Distributed robust adaptive equilibrium computation for generalized convex games. Automatica, 2016, 63, 82-91.	5.0	101

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73	A unified filter for simultaneous input and state estimation of linear discrete-time stochastic systems. Automatica, 2016, 63, 321-329.	5.0	140
74	Asymptotically optimal feedback planning using a numerical Hamilton-Jacobi-Bellman solver and an adaptive mesh refinement. International Journal of Robotics Research, 2016, 35, 565-584.	8.5	12
75	Autonomous golf cars for public trial of mobility-on-demand service. , 2015, , .		32
76	Simultaneous input and state estimation of linear discrete-time stochastic systems with input aggregate information. , 2015, , .		3
77	A Situationally Aware Voice-Commandable Robotic Forklift Working Alongside People in Unstructured Outdoor Environments. Journal of Field Robotics, 2015, 32, 590-628.	6.0	24
78	Models, algorithms, and evaluation for autonomous mobility-on-demand systems. , 2015, , .		43
79	Low-latency heading feedback control with neuromorphic vision sensors using efficient approximated incremental inference. , 2015, , .		8
80	Asymptotically reachable states and related symmetry in systems theory. , 2015, , .		1
81	Simultaneous input and state estimation for linear time-invariant continuous-time stochastic systems with unknown inputs. , 2015, , .		2
82	A Power-Performance Approach to Comparing Sensor Families, with application to comparing neuromorphic to traditional vision sensors. , 2015, , .		10
83	Convergence speed analysis for evolutionary congestion games. , 2015, , .		2
84	Further study on extended back-pressure traffic signal control algorithm. , 2015, , .		9
85	Analysis of Price of Anarchy in Traffic Networks With Heterogeneous Price-Sensitivity Populations. IEEE Transactions on Control Systems Technology, 2015, 23, 2227-2237.	5.2	9
86	Computational methods for MIMO flat linear systems: Flat output characterization, test and tracking control. , 2015, , .		10
87	Simultaneous input and state estimation with a delay. , 2015, , .		23
88	Autonomous mobility on demand in SimMobility: Case study of the central business district in Singapore. , 2015, , .		26
89	Towards autonomous navigation of unsignalized intersections under uncertainty of human driver intent. , 2015, , .		44
90	Resilient state estimation against switching attacks on stochastic cyber-physical systems. , 2015, , .		50

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91	Throughput optimality of extended back-pressure traffic signal control algorithm. , 2015, , .		11
92	Efficient high speed signal estimation with neuromorphic vision sensors. , 2015, , .		3
93	Iterative Tuning Strategy for Setting Two-Way Offset by Using Histogram of Traffic Flows in Traffic Signal Control. , 2015, , .		1
94	Optimal sampling-based Feedback Motion Trees among obstacles for controllable linear systems with linear constraints. , 2015, , .		8
95	Decentralised dynamic games for large population stochastic multi-agent systems. IET Control Theory and Applications, 2015, 9, 503-510.	2.1	13
96	Capacity-Aware Backpressure Traffic Signal Control. IEEE Transactions on Control of Network Systems, 2015, 2, 164-173.	3.7	109
97	The Impact of Cooperative Perception on Decision Making and Planning of Autonomous Vehicles. IEEE Intelligent Transportation Systems Magazine, 2015, 7, 39-50.	3.8	90
98	Multivehicle Cooperative Driving Using Cooperative Perception: Design and Experimental Validation. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 663-680.	8.0	172
99	Linear Flight Control Techniques for Unmanned Aerial Vehicles. , 2015, , 529-576.		11
100	UAV Routing and Coordination in Stochastic, Dynamic Environments. , 2015, , 2079-2109.		14
101	Vehicle Autonomy Using Cooperative Perception for Mobility-on-Demand Systems. Mechanisms and Machine Science, 2015, , 331-360.	0.5	3
102	$\mathbb{R}T^X$: Real-Time Motion Planning/Replanning for Environments with Unpredictable Obstacles. Springer Tracts in Advanced Robotics, 2015, , 461-478.	0.4	46
103	Asymptotically Optimal Feedback Planning: FMM Meets Adaptive Mesh Refinement. Springer Tracts in Advanced Robotics, 2015, , 695-710.	0.4	2
104	Incremental minimum-violation control synthesis for robots interacting with external agents. , 2014, , .		4
105	Iterative Tuning strategy for setting phase splits in traffic signal control. , 2014, , .		7
106	Cow-Path Games in dynamic environments: Strategic search algorithms for a changing world. , 2014, , .		0
107	Any-com collision checking: Sharing certificates in decentralized multi-robot teams. , 2014, , .		4
108	Sampling-based algorithms for optimal motion planning using process algebra specifications. , 2014, , .		10

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109	Special Issue on the Tenth International Workshop on Algorithmic Foundations of Robotics (WAFR). International Journal of Robotics Research, 2014, 33, 3-4.	8.5	0
110	Asymptotic adaptive tracking with input amplitude and rate constraints and bounded disturbances. , 2014, , .		2
111	A martingale approach and time-consistent sampling-based algorithms for risk management in stochastic optimal control. , 2014, , .		4
112	Pressure releasing policy in traffic signal control with finite queue capacities. , 2014, , .		17
113	Analysis of price of anarchy in heterogeneous price-sensitive populations. , 2014, , .		2
114	Generalized innovation and inference algorithms for hidden mode switched linear stochastic systems with unknown inputs. , 2014, , .		9
115	Game theoretic controller synthesis for multi-robot motion planning Part I: Trajectory based algorithms. , 2014, , .		16
116	Computing Earth mover's distances on a road map with applications to one-way vehicle sharing. , 2014, , .		0
117	The effect of reversals for a stochastic source-seeking process inspired by bacterial chemotaxis. , 2014, , .		0
118	On minimum-time paths of bounded curvature with position-dependent constraints. Automatica, 2014, 50, 537-546.	5.0	11
119	Improving Positioning Accuracy Using GPS Pseudorange Measurements for Cooperative Vehicular Localization. IEEE Transactions on Vehicular Technology, 2014, 63, 2544-2556.	6.3	135
120	Back-pressure traffic signal control with unknown routing rates. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11332-11337.	0.4	37
121	Simultaneous input and state smoothing for linear discrete-time stochastic systems with unknown inputs. , 2014, , .		5
122	Discrete-time mean field games in multi-agent systems. , 2014, , .		8
123	Road pricing design based on game theory and multi-agent consensus. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 31-39.	13.1	9
124	Toward a Systematic Approach to the Design and Evaluation of Automated Mobility-on-Demand Systems: A Case Study in Singapore. Lecture Notes in Mobility, 2014, , 229-245.	0.2	239
125	Multi-vehicle Routing. , 2014, , 1-11.		3
126	Stability Analysis of Transportation Networks with Multiscale Driver Decisions. SIAM Journal on Control and Optimization, 2013, 51, 230-252.	2.1	44

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127	Asymptotically Optimal Algorithms for One-to-One Pickup and Delivery Problems With Applications to Transportation Systems. IEEE Transactions on Automatic Control, 2013, 58, 2261-2276.	5.7	58
128	Efficient Collision Checking in Sampling-Based Motion Planning. Springer Tracts in Advanced Robotics, 2013, , 365-380.	0.4	29
129	Robust Distributed Routing in Dynamical Networksâ€”Part I: Locally Responsive Policies and Weak Resilience. IEEE Transactions on Automatic Control, 2013, 58, 317-332.	5.7	66
130	Robust Distributed Routing in Dynamical Networksâ€”Part II: Strong Resilience, Equilibrium Selection and Cascaded Failures. IEEE Transactions on Automatic Control, 2013, 58, 333-348.	5.7	70
131	Least-violating control strategy synthesis with safety rules. , 2013, , .		51
132	Incremental sampling-based algorithm for minimum-violation motion planning. , 2013, , .		37
133	Real-time game theoretic coordination of competitive mobility-on-demand systems. , 2013, , .		0
134	Rebalancing the rebalancers: optimally routing vehicles and drivers in mobility-on-demand systems. , 2013, , .		50
135	Free-configuration biased sampling for motion planning. , 2013, , .		14
136	Sampling-based optimal motion planning for non-holonomic dynamical systems. , 2013, , .		104
137	Navigation with foraging. , 2013, , .		4
138	Incremental synthesis of control policies for heterogeneous multi-agent systems with linear temporal logic specifications. , 2013, , .		20
139	On resilience of distributed routing in networks under cascade dynamics. , 2013, , .		1
140	Simultaneous input and state estimation for linear discrete-time stochastic systems with direct feedthrough. , 2013, , .		14
141	Distributed consensus in noncooperative congestion games: An application to road pricing. , 2013, , .		35
142	Anytime computation algorithms for stochastically parametric approach-evasion differential games. , 2013, , .		4
143	Sampling-based algorithms for continuous-time POMDPs. , 2013, , .		9
144	A review of urban computing for mobile phone traces. , 2013, , .		147

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145	Intention-Aware Pedestrian Avoidance. Springer Tracts in Advanced Robotics, 2013, , 963-977.	0.4	48
146	Intention-Aware Motion Planning. Springer Tracts in Advanced Robotics, 2013, , 475-491.	0.4	116
147	Optimal foraging of renewable resources. , 2012, , .		3
148	On competitive search games for multiple vehicles. , 2012, , .		4
149	Incremental temporal logic synthesis of control policies for robots interacting with dynamic agents. , 2012, , .		8
150	Control of probabilistic systems under dynamic, partially known environments with temporal logic specifications. , 2012, , .		28
151	Sampling-based algorithms for optimal motion planning with deterministic μ-calculus specifications. , 2012, , .		39
152	An incremental sampling-based algorithm for stochastic optimal control. , 2012, , .		25
153	High-speed flight in an ergodic forest. , 2012, , .		66
154	The Cow-Path Game: A competitive vehicle routing problem. , 2012, , .		9
155	Multiple vehicle driving control for traffic flow efficiency. , 2012, , .		18
156	On the Dubins Traveling Salesman Problem. IEEE Transactions on Automatic Control, 2012, 57, 265-270.	5.7	104
157	Sampling-based algorithm for filtering using Markov chain approximations. , 2012, , .		2
158	High-speed motion with limited sensing range in a poisson forest. , 2012, , .		9
159	Robust distributed routing in dynamical networks with cascading failures. , 2012, , .		5
160	Robotic load balancing for mobility-on-demand systems. International Journal of Robotics Research, 2012, 31, 839-854.	8.5	218
161	Dynamic traffic congestion pricing mechanism with User-Centric considerations. , 2012, , .		8
162	A GPS Pseudorange Based Cooperative Vehicular Distance Measurement Technique. , 2012, , .		22

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163	On distributed equilibrium seeking for generalized convex games. , 2012, , .		15
164	Distributed traffic signal control for maximum network throughput. , 2012, , .		97
165	Distributed Event-Triggered Control for Multi-Agent Systems. IEEE Transactions on Automatic Control, 2012, 57, 1291-1297.	5.7	1,917
166	Probabilistically-sound and asymptotically-optimal algorithm for stochastic control with trajectory constraints. , 2012, , .		3
167	Models and efficient algorithms for pickup and delivery problems on roadmaps. , 2012, , .		10
168	A Process Algebra Genetic Algorithm. IEEE Transactions on Evolutionary Computation, 2012, 16, 489-503.	10.0	15
169	A Dynamical Queue Approach to Intelligent Task Management for Human Operators. Proceedings of the IEEE, 2012, 100, 672-686.	21.3	49
170	Synthesis of provably correct controllers for autonomous vehicles in urban environments. , 2011, , .		16
171	Asymptotically-optimal path planning for manipulation using incremental sampling-based algorithms. , 2011, , .		24
172	Adaptive and Distributed Algorithms for Vehicle Routing in a Stochastic and Dynamic Environment. IEEE Transactions on Automatic Control, 2011, 56, 1259-1274.	5.7	84
173	Anytime Motion Planning using the RRT*. , 2011, , .		529
174	Distributed Algorithms for Environment Partitioning in Mobile Robotic Networks. IEEE Transactions on Automatic Control, 2011, 56, 1834-1848.	5.7	86
175	Impact of GPS and ADS-B Reported Accuracy on Conflict Detection Performance in Dense Traffic. , 2011, , .		6
176	Steady-state drifting stabilization of RWD vehicles. Control Engineering Practice, 2011, 19, 1363-1376.	5.5	85
177	Sampling-based algorithms for optimal motion planning. International Journal of Robotics Research, 2011, 30, 846-894.	8.5	3,085
178	Massively parallelizing the RRT and the RRT. , 2011, , .		60
179	Anytime computation of time-optimal off-road vehicle maneuvers using the RRT*. , 2011, , .		78
180	Stability analysis of transportation networks with multiscale driver decisions. , 2011, , .		5

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181	An asymptotically optimal algorithm for pickup and delivery problems. , 2011, , .		6
182	Differential flatness of a front-steered vehicle with tire force control. , 2011, , .		22
183	Robust distributed routing in dynamical flow networks. , 2011, , .		4
184	Asymptotically-optimal path planning for manipulation using incremental sampling-based algorithms. , 2011, , .		37
185	Fundamental performance limits and efficient polices for Transportation-On-Demand systems. , 2010, , .		22
186	Persistent patrol with limited-range on-board sensors. , 2010, , .		17
187	Bounds on tracking error using closed-loop rapidly-exploring random trees. , 2010, , .		39
188	A voice-commandable robotic forklift working alongside humans in minimally-prepared outdoor environments. , 2010, , .		43
189	Closed-loop pallet manipulation in unstructured environments. , 2010, , .		17
190	Maximally stabilizing task release control policy for a dynamical queue. , 2010, , .		2
191	Steady-state cornering equilibria and stabilisation for a vehicle during extreme operating conditions. International Journal of Vehicle Autonomous Systems, 2010, 8, 217.	0.2	49
192	Optimal kinodynamic motion planning using incremental sampling-based methods. , 2010, , .		265
193	Cooperative mission planning for a class of carrier-vehicle systems. , 2010, , .		10
194	Distributed self-triggered control for multi-agent systems. , 2010, , .		27
195	Analysis of decentralized potential field based multi-agent navigation via primal-dual Lyapunov theory. , 2010, , .		18
196	Maximally Stabilizing Task Release Control Policy for a Dynamical Queue. IEEE Transactions on Automatic Control, 2010, 55, 2655-2660.	5.7	10
197	Incremental Sampling-Based Algorithms for a Class of Pursuit-Evasion Games. Springer Tracts in Advanced Robotics, 2010, , 71-87.	0.4	23
198	Persistent Patrol in Stochastic Environments with Limited Sensors. , 2010, , .		3

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199	On steady-state cornering equilibria for wheeled vehicles with drift. , 2009, , .		27
200	Specification and planning of UAV missions: a Process Algebra approach. , 2009, , .		22
201	Sampling-based motion planning with deterministic μ-calculus specifications. , 2009, , .		89
202	Efficient Routing Algorithms for Multiple Vehicles With no Explicit Communications. IEEE Transactions on Automatic Control, 2009, 54, 2302-2317.	5.7	81
203	Efficient routing of multiple vehicles with no explicit communications. International Journal of Robust and Nonlinear Control, 2008, 18, 154-164.	3.7	35
204	A perceptionâ€driven autonomous urban vehicle. Journal of Field Robotics, 2008, 25, 727-774.	6.0	364
205	Vehicle Routing with Linear Temporal Logic Specifications: Applications to Multi-UAV Mission Planning. , 2008, , .		28
206	Traveling Salesperson Problems for the Dubins Vehicle. IEEE Transactions on Automatic Control, 2008, 53, 1378-1391.	5.7	186
207	Complex mission optimization for Multiple-UAVs using Linear Temporal Logic. , 2008, , .		34
208	Cooperative path planning for a class of carrier-vehicle systems.. , 2008, , .		7
209	Distributed policies for equitable partitioning: Theory and applications. , 2008, , .		24
210	Vehicle Routing Problem with Metric Temporal Logic Specifications. , 2008, , .		68
211	Human-in-the-loop vehicle routing policies for dynamic environments. , 2008, , .		31
212	Discussion on: Optimality Properties and Driver Input Parameterization for Trail-braking Cornering. European Journal of Control, 2008, 14, 321-328.	2.6	5
213	Decentralized Cooperative Policy for Conflict Resolution in Multivehicle Systems. , 2007, 23, 1170-1183.		193
214	Symbolic planning and control of robot motion [Grand Challenges of Robotics]. IEEE Robotics and Automation Magazine, 2007, 14, 61-70.	2.0	281
215	Incremental Search Methods for Reachability Analysis of Continuous and Hybrid Systems. Lecture Notes in Computer Science, 2004, , 142-156.	1.3	80
216	Real-Time Motion Planning for Agile Autonomous Vehicles. Journal of Guidance, Control, and Dynamics, 2002, 25, 116-129.	2.8	602

#	ARTICLE	IF	CITATIONS
217	A Compositional Sheaf-Theoretic Framework for Event-Based Systems. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 333, 139-153.	0.8	2
218	Load Balancing for Mobility-on-Demand Systems. , 0, , .		19