

# Panagiotis Tsiotras

## List of Publications by Year in descending order

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253  
papers

7,783  
citations

61945

43  
h-index

74108

75  
g-index

257  
all docs

257  
docs citations

257  
times ranked

3553  
citing authors

#	ARTICLE	IF	CITATIONS
1	Leader-follower cooperative attitude control of multiple rigid bodies. <i>Systems and Control Letters</i> , 2009, 58, 429-435.	1.3	305
2	Inverse optimal stabilization of a rigid spacecraft. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 1042-1049.	3.6	287
3	Stabilization and optimality results for the attitude control problem. <i>Journal of Guidance, Control, and Dynamics</i> , 1996, 19, 772-779.	1.6	286
4	Dynamic Friction Models for Road/Tire Longitudinal Interaction. <i>Vehicle System Dynamics</i> , 2003, 39, 189-226.	2.2	284
5	Further passivity results for the attitude control problem. <i>IEEE Transactions on Automatic Control</i> , 1998, 43, 1597-1600.	3.6	268
6	Relay pursuit of a maneuvering target using dynamic Voronoi diagrams. <i>Automatica</i> , 2012, 48, 2213-2220.	3.0	196
7	Stability of time-delay systems: equivalence between Lyapunov and scaled small-gain conditions. <i>IEEE Transactions on Automatic Control</i> , 2001, 46, 482-486.	3.6	181
8	Adaptive Position and Attitude-Tracking Controller for Satellite Proximity Operations Using Dual Quaternions. <i>Journal of Guidance, Control, and Dynamics</i> , 2015, 38, 566-577.	1.6	171
9	Advanced planning for autonomous vehicles using reinforcement learning and deep inverse reinforcement learning. <i>Robotics and Autonomous Systems</i> , 2019, 114, 1-18.	3.0	167
10	Control of underactuated spacecraft with bounded inputs. <i>Automatica</i> , 2000, 36, 1153-1169.	3.0	163
11	Spacecraft Adaptive Attitude and Power Tracking with Variable Speed Control Moment Gyroscopes. <i>Journal of Guidance, Control, and Dynamics</i> , 2002, 25, 1081-1090.	1.6	150
12	Satellite Attitude Control and Power Tracking with Energy/Momentum Wheels. <i>Journal of Guidance, Control, and Dynamics</i> , 2001, 24, 23-34.	1.6	133
13	Singularity Analysis of Variable Speed Control Moment Gyros. <i>Journal of Guidance, Control, and Dynamics</i> , 2004, 27, 374-386.	1.6	117
14	Use of relaxation methods in sampling-based algorithms for optimal motion planning. , 2013, , .		117
15	A novel approach to the attitude control of axisymmetric spacecraft. <i>Automatica</i> , 1995, 31, 1099-1112.	3.0	114
16	Time-Optimal Control of Axisymmetric Rigid Spacecraft Using Two Controls. <i>Journal of Guidance, Control, and Dynamics</i> , 1999, 22, 682-694.	1.6	111
17	Optimal Two-Impulse Rendezvous Using Multiple-Revolution Lambert Solutions. <i>Journal of Guidance, Control, and Dynamics</i> , 2003, 26, 50-61.	1.6	110
18	Dynamic tyre friction models for combined longitudinal and lateral vehicle motion. <i>Vehicle System Dynamics</i> , 2005, 43, 3-29.	2.2	98

#	ARTICLE	IF	CITATIONS
19	Stability analysis of LPV time-delayed systems. <i>International Journal of Control</i> , 2002, 75, 538-558.	1.2	94
20	Spin-axis stabilization of symmetric spacecraft with two control torques. <i>Systems and Control Letters</i> , 1994, 23, 395-402.	1.3	91
21	Control design for chained-form systems with bounded inputs. <i>Systems and Control Letters</i> , 2000, 39, 123-131.	1.3	85
22	Steady-state drifting stabilization of RWD vehicles. <i>Control Engineering Practice</i> , 2011, 19, 1363-1376.	3.2	85
23	Trajectory Optimization Using Multiresolution Techniques. <i>Journal of Guidance, Control, and Dynamics</i> , 2008, 31, 1424-1436.	1.6	80
24	Control of Spacecraft Subject to Actuator Failures: State-of-the-Art and Open Problems. <i>Journal of the Astronautical Sciences</i> , 2000, 48, 337-358.	0.8	78
25	Exponentially convergent control laws for nonholonomic systems in power form. <i>Systems and Control Letters</i> , 1998, 35, 87-95.	1.3	71
26	Minimum-Time Travel for a Vehicle with Acceleration Limits: Theoretical Analysis and Receding-Horizon Implementation. <i>Journal of Optimization Theory and Applications</i> , 2008, 138, 275-296.	0.8	71
27	Optimal Covariance Control for Stochastic Systems Under Chance Constraints. , 2018, 2, 266-271.		71
28	Modeling and Hardware-in-the-Loop Simulation for a Small Unmanned Aerial Vehicle. , 2007, , .		69
29	Density Functions for Mesh Refinement in Numerical Optimal Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2011, 34, 271-277.	1.6	69
30	Zero- and low-bias control designs for active magnetic bearings. <i>IEEE Transactions on Control Systems Technology</i> , 2003, 11, 889-904.	3.2	65
31	Hierarchical Motion Planning With Dynamical Feasibility Guarantees for Mobile Robotic Vehicles. <i>IEEE Transactions on Robotics</i> , 2012, 28, 379-395.	7.3	65
32	Extended Kalman Filter for Spacecraft Pose Estimation Using Dual Quaternions. <i>Journal of Guidance, Control, and Dynamics</i> , 2015, 38, 1625-1641.	1.6	64
33	An $\hat{\alpha}_2$ disturbance attenuation solution to the nonlinear benchmark problem. <i>International Journal of Robust and Nonlinear Control</i> , 1998, 8, 311-330.	2.1	63
34	Optimal pursuit of moving targets using dynamic Voronoi diagrams. , 2010, , .		63
35	Spacecraft Line-of-Sight Control Using a Single Variable-Speed Control Moment Gyro. <i>Journal of Guidance, Control, and Dynamics</i> , 2006, 29, 1295-1308.	1.6	60
36	Principal rotation representations of proper $N \times N$ orthogonal matrices. <i>International Journal of Engineering Science</i> , 1995, 33, 2277-2295.	2.7	58

#	ARTICLE	IF	CITATIONS
37	Peer-to-Peer Refueling for Circular Satellite Constellations. Journal of Guidance, Control, and Dynamics, 2005, 28, 1220-1230.	1.6	58
38	Optimality Properties and Driver Input Parameterization for Trail-braking Cornering. European Journal of Control, 2008, 14, 308-320.	1.6	58
39	Optimal Stochastic Vehicle Path Planning Using Covariance Steering. IEEE Robotics and Automation Letters, 2019, 4, 2276-2281.	3.3	56
40	Multiple-Pursuer/One-Evader Pursuit-Evasion Game in Dynamic Flowfields. Journal of Guidance, Control, and Dynamics, 2017, 40, 1627-1637.	1.6	55
41	Higher-Order Cayley Transforms with Applications to Attitude Representations. Journal of Guidance, Control, and Dynamics, 1997, 20, 528-534.	1.6	53
42	On-Line Path Generation for Unmanned Aerial Vehicles Using B-Spline Path Templates. Journal of Guidance, Control, and Dynamics, 2013, 36, 1642-1653.	1.6	51
43	Low-bias control of AMB subject to voltage saturation: state-feedback and observer designs. IEEE Transactions on Control Systems Technology, 2005, 13, 262-273.	3.2	50
44	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
45	Optimal Feedback Guidance of a Small Aerial Vehicle in a Stochastic Wind. Journal of Guidance, Control, and Dynamics, 2013, 36, 975-985.	1.6	49
46	Optimal motion planning with the half-car dynamical model for autonomous high-speed driving. , 2013, , .		46
47	Simultaneous position and attitude control without linear and angular velocity feedback using dual quaternions. , 2013, , .		46
48	New results for the analysis of linear systems with time-invariant delays. International Journal of Robust and Nonlinear Control, 2003, 13, 1149-1175.	2.1	45
49	New Control Laws for the Attitude Stabilization of Rigid Bodies. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 321-326.	0.4	44
50	The Zermelo-Voronoi diagram: A dynamic partition problem. Automatica, 2010, 46, 2059-2067.	3.0	44
51	Pose tracking without linear and angular-velocity feedback using dual quaternions. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 411-422.	2.6	43
52	Adaptive spacecraft attitude tracking control with actuator uncertainties. Journal of the Astronautical Sciences, 2008, 56, 251-268.	0.8	42
53	Reduced Effort Control Laws for Underactuated Rigid Spacecraft. Journal of Guidance, Control, and Dynamics, 1997, 20, 1089-1095.	1.6	41
54	Inertial Attitude and Position Reference System Development for a Small UAV. , 2007, , .		41

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55	Autonomous Planning and Control for Intelligent Vehicles in Traffic. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2339-2349.	4.7	40
56	A complex analytic solution for the attitude motion of a near-symmetric rigid body under body-fixed torques. Celestial Mechanics and Dynamical Astronomy, 1991, 51, 281-301.	0.5	38
57	A combined application of H/sub /spl infin// loop shaping and /spl mu/-synthesis to control high-speed flywheels. IEEE Transactions on Control Systems Technology, 2005, 13, 766-777.	3.2	38
58	Optimal Synthesis of the Zermeloâ€“Markovâ€“Dubins Problem in a Constant Drift Field. Journal of Optimization Theory and Applications, 2013, 156, 469-492.	0.8	38
59	Rigid body motion tracking without linear and angular velocity feedback using dual quaternions. , 2013, , .		36
60	Finite-horizon covariance control of linear time-varying systems. , 2017, , .		36
61	Modeling aggressive maneuvers on loose surfaces: The cases of Trail-Braking and Pendulum-Turn. , 2007, , .		35
62	Real-time Implementation and Validation of a New Hierarchical Path Planning Scheme of UAVs via Hardware-in-the-Loop Simulation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 54, 163-181.	2.0	34
63	A 3-DoF Experimental Test-Bed for Integrated Attitude Dynamics and Control Research. , 2003, , .		33
64	Egalitarian Peer-to-Peer Satellite Refueling Strategy. Journal of Spacecraft and Rockets, 2008, 45, 608-618.	1.3	33
65	Optimal Evading Strategies for Two-Pursuer/One-Evader Problems. Journal of Guidance, Control, and Dynamics, 2018, 41, 851-862.	1.6	33
66	A LuGre Tire Friction Model With Exact Aggregate Dynamics. Vehicle System Dynamics, 2004, 42, 195-210.	2.2	32
67	Optimal Evading Strategies and Task Allocation in Multi-player Pursuitâ€“Evasion Problems. Dynamic Games and Applications, 2019, 9, 1168-1187.	1.1	32
68	Incremental Multi-Scale Search Algorithm for Dynamic Path Planning With Low Worst-Case Complexity. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1556-1570.	5.5	31
69	Toward an Algorithmic Control Theory. Journal of Guidance, Control, and Dynamics, 2017, 40, 194-196.	1.6	31
70	Optimal Regulation and Passivity Results for Axisymmetric Rigid Bodies Using Two Controls. Journal of Guidance, Control, and Dynamics, 1997, 20, 457-463.	1.6	30
71	On-line Path Generation for Small Unmanned Aerial Vehicles Using B-Spline Path Templates. , 2008, , .		29
72	Nonlinear Driver Parameter Estimation and Driver Steering Behavior Analysis for ADAS Using Field Test Data. IEEE Transactions on Human-Machine Systems, 2017, 47, 686-699.	2.5	29

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73	Drag-law effects in the goddard problem. <i>Automatica</i> , 1991, 27, 481-490.	3.0	28
74	Optimal Scheduling for Servicing Multiple Satellites in a Circular Constellation. , 2002, , .		28
75	Optimal partitioning for spatiotemporal coverage in a drift field. <i>Automatica</i> , 2013, 49, 2064-2073.	3.0	28
76	Nonlinear Uncertainty Control with Iterative Covariance Steering. , 2019, , .		28
77	Bank-to-Turn Control for a Small UAV using Backstepping and Parameter Adaptation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 4406-4411.	0.4	27
78	On steady-state cornering equilibria for wheeled vehicles with drift. , 2009, , .		27
79	A 5-dof Experimental Platform for Spacecraft Rendezvous and Docking. , 2009, , .		27
80	Tracking Rigid Body Motion Using Thrusters and Momentum Wheels. <i>Journal of the Astronautical Sciences</i> , 2002, 50, 311-323.	0.8	27
81	On the Suicidal Pedestrian Differential Game. <i>Dynamic Games and Applications</i> , 2015, 5, 297-317.	1.1	26
82	Goddard problem with constrained time of flight. <i>Journal of Guidance, Control, and Dynamics</i> , 1992, 15, 289-296.	1.6	25
83	Multiresolution on-line path planning for small unmanned aerial vehicles. , 2008, , .		25
84	A hierarchical on-line path planning scheme using wavelets. , 2007, , .		24
85	Multiresolution path planning with wavelets: A local replanning approach. , 2008, , .		24
86	Optimal Synthesis of the Asymmetric Sinistral/Dextral Markovâ€“Dubins Problem. <i>Journal of Optimization Theory and Applications</i> , 2011, 150, 233-250.	0.8	24
87	Multiresolution Motion Planning for Autonomous Agents via Wavelet-Based Cell Decompositions. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012, 42, 1455-1469.	5.5	24
88	Feedback Navigation in an Uncertain Flowfield and Connections with Pursuit Strategies. <i>Journal of Guidance, Control, and Dynamics</i> , 2012, 35, 1268-1279.	1.6	24
89	Adaptive Model-Independent Tracking of Rigid Body Position and Attitude Motion with Mass and Inertia Matrix Identification using Dual Quaternions. , 2013, , .		24
90	Data-driven human driver lateral control models for developing haptic-shared control advanced driver assist systems. <i>Robotics and Autonomous Systems</i> , 2019, 114, 155-171.	3.0	24

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91	Design of a lane-tracking driver steering assist system and its interaction with a two-point visual driver model. , 2014, , .		23
92	Machine learning guided exploration for sampling-based motion planning algorithms. , 2015, , .		22
93	Dynamic programming guided exploration for sampling-based motion planning algorithms. , 2015, , .		22
94	Stochastic $L_1$ control via forward and backward sampling. Systems and Control Letters, 2018, 118, 101-108.	1.3	22
95	Adaptive Spacecraft Attitude Tracking Control with Actuator Uncertainties. , 2005, , .		21
96	Asynchronous optimal mixed P2P satellite refueling strategies. Journal of the Astronautical Sciences, 2006, 54, 543-565.	0.8	21
97	Network Flow Formulation for Cooperative Peer-to-Peer Refueling Strategies. Journal of Guidance, Control, and Dynamics, 2010, 33, 1539-1549.	1.6	21
98	Time-optimal synthesis for the Zermelo-Markov-Dubins problem: The constant wind case. , 2010, , .		20
99	A Beamlet-Based Graph Structure for Path Planning Using Multiscale Information. IEEE Transactions on Automatic Control, 2012, 57, 1166-1178.	3.6	20
100	Min-Max Differential Dynamic Programming: Continuous and Discrete Time Formulations. Journal of Guidance, Control, and Dynamics, 2018, 41, 2568-2580.	1.6	20
101	Curvature-Bounded Traversability Analysis in Motion Planning for Mobile Robots. IEEE Transactions on Robotics, 2014, 30, 1011-1019.	7.3	18
102	Laplacian cooperative attitude control of multiple rigid bodies. , 2006, , .		17
103	Extended multi-agent consensus protocols for the generation of geometric patterns in the plane. , 2011, , .		17
104	Time-Optimal Path Following for Fixed-Wing Aircraft. Journal of Guidance, Control, and Dynamics, 2013, 36, 83-95.	1.6	17
105	Robust Feature Detection, Acquisition and Tracking for Relative Navigation in Space with a Known Target. , 2013, , .		17
106	Dynamics and Control of Spacecraft Manipulators with Thrusters and Momentum Exchange Devices. Journal of Guidance, Control, and Dynamics, 2019, 42, 15-29.	1.6	17
107	An approach for computing the exact stability domain for a class of LTI parameter dependent systems. International Journal of Control, 2006, 79, 1046-1061.	1.2	16
108	Lyapunov-based exact stability analysis and synthesis for linear single-parameter dependent systems. International Journal of Control, 2010, 83, 1823-1838.	1.2	16

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109	Multiresolution Hierarchical Path-Planning for Small UAVs Using Wavelet Decompositions. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 66, 505-522.	2.0	16
110	Beyond quadtrees: Cell decompositions for path planning using wavelet transforms. , 2007, , .		15
111	Analysis of Energy-Optimal Aircraft Landing Operation Trajectories. Journal of Guidance, Control, and Dynamics, 2013, 36, 833-845.	1.6	15
112	Vision-Based Autonomous Path Following Using a Human Driver Control Model With Reliable Input-Feature Value Estimation. IEEE Transactions on Intelligent Vehicles, 2019, 4, 497-506.	9.4	15
113	Pursuit-evasion games in dynamic flow fields via reachability set analysis. , 2017, , .		15
114	New kinematic relations for the large angle problem in rigid body attitude dynamics. Acta Astronautica, 1994, 32, 181-190.	1.7	14
115	Detumbling and partial attitude stabilization of a rigid spacecraft under actuator failure. , 2000, , .		14
116	An Experimental Comparison of CMG Steering Control Laws. , 2004, , .		14
117	Shortest distance problems in graphs using history-dependent transition costs with application to kinodynamic path planning. , 2009, , .		14
118	On the generation of nearly optimal, planar paths of bounded curvature and bounded curvature gradient. , 2009, , .		14
119	UAV Collision Avoidance based on the Solution of the Suicidal Pedestrian Differential Game. , 2016, , .		14
120	Dual Quaternion Framework for Modeling of Spacecraft-Mounted Multibody Robotic Systems. Frontiers in Robotics and AI, 2018, 5, 128.	2.0	14
121	Partial attitude synchronization for networks of underactuated spacecraft. Automatica, 2018, 97, 27-37.	3.0	14
122	Comparison Between Peer-to-Peer and Single-Spacecraft Refueling Strategies for Spacecraft in Circular Orbits. , 2005, , .		13
123	Hohmann-Hohmann and Hohmann-Phasing Cooperative Rendezvous Maneuvers. Journal of the Astronautical Sciences, 2009, 57, 393-417.	0.8	13
124	Time-Optimal Parameterization of Geometric Path for Fixed-Wing Aircraft. , 2010, , .		13
125	Cooperative Relative Navigation for Space Rendezvous and Proximity Operations using Controlled Active Vision. Journal of Field Robotics, 2016, 33, 205-228.	3.2	13
126	Vehicle modeling and parameter estimation using adaptive limited memory joint-state UKF. , 2017, , .		13



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127	Minimum-fuel Powered Descent in the Presence of Random Disturbances. , 2019, , .		13
128	Minimum-Fuel Closed-Loop Powered Descent Guidance with Stochastically Derived Throttle Margins. Journal of Guidance, Control, and Dynamics, 2021, 44, 537-547.	1.6	13
129	Vehicle posture control through aggressive maneuvering for mitigation of T-bone collisions. , 2011, , .		12
130	Time-optimal vehicle posture control to mitigate unavoidable collisions using conventional control inputs. , 2013, , .		12
131	Game Theoretic continuous time Differential Dynamic Programming. , 2015, , .		12
132	Optimal two-point visual driver model and controller development for driver-assist systems for semi-autonomous vehicles. , 2016, , .		12
133	Sequential pursuit of multiple targets under external disturbances via Zermelo's Voronoi diagrams. Automatica, 2017, 81, 253-260.	3.0	12
134	Dual Quaternions as a Tool for Modeling, Control, and Estimation for Spacecraft Robotic Servicing Missions. Journal of the Astronautical Sciences, 2020, 67, 595-629.	0.8	12
135	Trajectory Distribution Control for Model Predictive Path Integral Control using Covariance Steering. , 2022, , .		12
136	Pursuit evasion game of two players under an external flow field. , 2015, , .		11
137	Spacecraft Angular Velocity Stabilization Using a Single-Gimbal Variable Speed Control Moment Gyro. , 2003, , .		10
138	Multi-resolution path planning: Theoretical analysis, efficient implementation, and extensions to dynamic environments. , 2010, , .		10
139	Hierarchical motion planning with kinodynamic feasibility guarantees: Local trajectory planning via model predictive control. , 2012, , .		10
140	An asymmetric version of the two car pursuit-evasion game. , 2014, , .		10
141	Hierarchical state abstractions for decision-making problems with computational constraints. , 2017, , .		10
142	Input Hard Constrained Optimal Covariance Steering. , 2019, , .		10
143	NEW CONTROL LAWS FOR THE ATTITUDE STABILIZATION OF RIGID BODIES. , 1995, , 321-326.		10
144	Optimal mass for aerobraking tethers. Acta Astronautica, 1995, 35, 489-500.	1.7	9

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145	Optimal control of a magnetic bearing without bias flux using finite voltage. Optimal Control Applications and Methods, 1998, 19, 227-246.	1.3	9
146	Multiresolution Path Planning Via Sector Decompositions Compatible to On-Board Sensor Data. , 2008, , .		9
147	Beamlet-like data processing for accelerated path-planning using multiscale information of the environment. , 2010, , .		9
148	Multi-scale perception and path planning on probabilistic obstacle maps. , 2015, , .		9
149	Information-Theoretic Abstractions for Planning in Agents With Computational Constraints. IEEE Robotics and Automation Letters, 2021, 6, 7651-7658.	3.3	9
150	Stochastic Entry Guidance. Journal of Guidance, Control, and Dynamics, 2022, 45, 320-334.	1.6	9
151	Tracking rigid body motion using thrusters and momentum wheels. , 1998, , .		8
152	Incremental sampling-based motion planners using policy iteration methods. , 2016, , .		8
153	Spacecraft Trajectory Tracking with Identification of Mass Properties Using Dual Quaternions. , 2018, , .		8
154	Trajectory Desensitization in Optimal Control Problems. , 2018, , .		8
155	Q-Tree Search: An Information-Theoretic Approach Toward Hierarchical Abstractions for Agents With Computational Limitations. IEEE Transactions on Robotics, 2020, 36, 1669-1685.	7.3	8
156	High-Speed Cornering for Autonomous Off-Road Rally Racing. IEEE Transactions on Control Systems Technology, 2021, 29, 485-501.	3.2	8
157	Chance-Constrained Optimal Covariance Steering with Iterative Risk Allocation. , 2021, , .		8
158	Title is missing!. Journal of Dynamical and Control Systems, 1997, 7, 215-233.	0.4	7
159	Laplacian Cooperative Attitude Control of Multiple Rigid Bodies. , 2006, , .		7
160	Image segmentation on cell-center sampled quadtree and octree grids. , 2009, , .		7
161	Minimum-Time Paths for a Small Aircraft in the Presence of Regionally-Varying Strong Winds. , 2010, , .		7
162	Multi-robot patrolling with coordinated behaviours in realistic environments. , 2011, , .		7

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163	An optimal evader strategy in a two-pursuer one-evader problem. , 2014, , .		7
164	Desensitized Trajectory Optimization for Hypersonic Vehicles. , 2021, , .		7
165	Real-time Implementation and Validation of a New Hierarchical Path Planning Scheme of UAVs via Hardware-in-the-Loop Simulation. , 2008, , 163-181.		7
166	Invariant manifold techniques for control of underactuated mechanical systems. , 1997, , .		7
167	Chance Constrained Covariance Control for Linear Stochastic Systems With Output Feedback. , 2020, , .		7
168	Multiagent Consensus Subject to Communication and Privacy Constraints. IEEE Transactions on Control of Network Systems, 2022, 9, 943-955.	2.4	7
169	Optimal Control of Rigid Body Angular Velocity with Quadratic Cost. Journal of Optimization Theory and Applications, 1998, 96, 507-532.	0.8	6
170	Leader-follower cooperative attitude control of multiple rigid bodies. , 2008, , .		6
171	Trail-Braking Driver Input Parameterization for General Corner Geometry. , 0, , .		6
172	A Hierarchical Multiresolution Adaptive Mesh Refinement for the Solution of Evolution PDEs. SIAM Journal of Scientific Computing, 2009, 31, 1221-1248.	1.3	6
173	On the existence and synthesis of curvature-bounded paths inside nonuniform rectangular channels. , 2010, , .		6
174	The Zermelo-Voronoi Diagram: a dynamic partition problem. , 2010, , .		6
175	On the relay pursuit of a maneuvering target by a group of pursuers. , 2011, , .		6
176	Efficient Closed-Loop Detection and Pose Estimation for Vision-Only Relative Localization in Space with A Cooperative Target. , 2014, , .		6
177	Extended Kalman Filter for spacecraft pose estimation using dual quaternions. , 2015, , .		6
178	Stochastic Game Theoretic trajectory optimization in continuous time. , 2016, , .		6
179	Game-theoretic and risk-sensitive stochastic optimal control via forward and backward stochastic differential equations. , 2016, , .		6
180	Optimal Thrust Profile for Planetary Soft Landing Under Stochastic Disturbances. Journal of Guidance, Control, and Dynamics, 2019, 42, 209-216.	1.6	6

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181	Covariance Steering With Optimal Risk Allocation. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3719-3733.	2.6	6
182	Optimal Controller Synthesis and Dynamic Quantizer Switching for Linear-Quadratic-Gaussian Systems. IEEE Transactions on Automatic Control, 2022, 67, 382-389.	3.6	6
183	Real-Time Near-Optimal Feedback Control of Aggressive Vehicle Maneuvers. Lecture Notes in Control and Information Sciences, 2014, , 109-129.	0.6	6
184	Singularity Analysis and Avoidance of Variable-Speed Control Moment Gyros – Part I : No Power Constraint Case. , 2004, , .		5
185	Singularity Analysis and Avoidance of Variable-Speed Control Moment Gyros – Part II : Power Constraint Case. , 2004, , .		5
186	The Markov-Dubins problem in the presence of a stochastic drift field. , 2012, , .		5
187	Pursuit-Evasion Problems Involving Two Pursuers and One Evader. , 2018, , .		5
188	Optimal Aircraft Trajectories for Wind Energy Extraction. Journal of Guidance, Control, and Dynamics, 2018, 41, 488-496.	1.6	5
189	Modeling of Spacecraft-Mounted Robot Dynamics and Control Using Dual Quaternions. , 2018, , .		5
190	Multiplayer Pursuit-Evasion Games in Three-Dimensional Flow Fields. Dynamic Games and Applications, 2019, 9, 1188-1207.	1.1	5
191	C-DOC: Co-State Desensitized Optimal Control. , 2020, , .		5
192	Accelerating Kinodynamic RRT* Through Dimensionality Reduction. , 2021, , .		5
193	Belief Space Planning: a Covariance Steering Approach. , 2022, , .		5
194	Comments on a new parameterization of the attitude kinematics. , 1996, , .		4
195	A Cooperative P2P Refueling Strategy for Circular Satellite Constellations. , 2008, , .		4
196	Robust design of a spacecraft attitude tracking control system with actuator uncertainties. , 2008, , .		4
197	Kinematic feasibility guarantees in geometric path planning using history-based transition costs over cell decompositions. , 2010, , .		4
198	Initial Guess Generation for Aircraft Landing Trajectory Optimization. , 2011, , .		4

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199	Development and Evaluation of an Automated Path Planning Aid. <i>Journal of Aircraft</i> , 2012, 49, 1774-1785.	1.7	4
200	Speed profile optimization for optimal path tracking. , 2013, , .		4
201	Information-theoretic stochastic optimal control via incremental sampling-based algorithms. , 2014, , .		4
202	A new hybrid sensorimotor driver model with model predictive control. , 2016, , .		4
203	Anticipating Human Collision Avoidance Behavior for Safe Robot Reaction. , 2018, , .		4
204	Stochastic Differential Games: A Sampling Approach via FBSDEs. <i>Dynamic Games and Applications</i> , 2019, 9, 486-505.	1.1	4
205	Free-flying Spacecraft-mounted Manipulators: A Tool for Simulating Dynamics and Control. , 2019, , .		4
206	TIE: Time-Informed Exploration for Robot Motion Planning. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 3585-3591.	3.3	4
207	Chance-Constrained Covariance Steering in a Gaussian Random Field via Successive Convex Programming. <i>Journal of Guidance, Control, and Dynamics</i> , 2022, 45, 599-610.	1.6	4
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