

Panagiotis Tsiotras

List of Publications by Year in descending order

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253
papers

7,783
citations

61857

43
h-index

74018

75
g-index

257
all docs

257
docs citations

257
times ranked

3553
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Controller Synthesis and Dynamic Quantizer Switching for Linear-Quadratic-Gaussian Systems. IEEE Transactions on Automatic Control, 2022, 67, 382-389.	3.6	6
2	Reachability-Based Covariance Control for Pursuit-Evasion in Stochastic Flow Fields. , 2022, , .		0
3	Stochastic Entry Guidance. Journal of Guidance, Control, and Dynamics, 2022, 45, 320-334.	1.6	9
4	Multiagent Consensus Subject to Communication and Privacy Constraints. IEEE Transactions on Control of Network Systems, 2022, 9, 943-955.	2.4	7
5	Linear Covariance Analysis of Entry and Aerocapture Trajectories in an Uncertain Atmosphere. , 2022, , .		2
6	Chance-Constrained Covariance Steering in a Gaussian Random Field via Successive Convex Programming. Journal of Guidance, Control, and Dynamics, 2022, 45, 599-610.	1.6	4
7	A Generalized Information-Theoretic Framework for the Emergence of Hierarchical Abstractions in Resource-Limited Systems. Entropy, 2022, 24, 809.	1.1	1
8	Simultaneous Control and Trajectory Estimation for Collision Avoidance of Autonomous Robotic Spacecraft Systems. , 2022, , .		3
9	Belief Space Planning: a Covariance Steering Approach. , 2022, , .		5
10	Trajectory Distribution Control for Model Predictive Path Integral Control using Covariance Steering. , 2022, , .		12
11	High-Speed Cornering for Autonomous Off-Road Rally Racing. IEEE Transactions on Control Systems Technology, 2021, 29, 485-501.	3.2	8
12	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
13	Bounded Rationality in Learning, Perception, Decision-Making, and Stochastic Games. Studies in Systems, Decision and Control, 2021, , 491-523.	0.8	3
14	Desensitized Trajectory Optimization for Hypersonic Vehicles. , 2021, , .		7
15	TIE: Time-Informed Exploration for Robot Motion Planning. IEEE Robotics and Automation Letters, 2021, 6, 3585-3591.	3.3	4
16	Chance-Constrained Optimal Covariance Steering with Iterative Risk Allocation. , 2021, , .		8
17	Falsification-based Verification for Multi-Mode Spacecraft Attitude Control Systems. , 2021, , .		1
18	Steering the State of Linear Stochastic Systems: A Constrained Minimum Principle Formulation. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	Information-theoretic abstractions for resource-constrained agents via mixed-integer linear programming. , 2021, , .		3
20	Bounded-Rational Pursuit-Evasion Games. , 2021, , .		2
21	Information-Theoretic Abstractions for Planning in Agents With Computational Constraints. IEEE Robotics and Automation Letters, 2021, 6, 7651-7658.	3.3	9
22	Covariance Steering With Optimal Risk Allocation. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3719-3733.	2.6	6
23	A Generalized A* Algorithm for Finding Globally Optimal Paths in Weighted Colored Graphs. , 2021, , .		2
24	Accelerating Kinodynamic RRT* Through Dimensionality Reduction. , 2021, , .		5
25	Class-Ordered LPA*: An Incremental-Search Algorithm for Weighted Colored Graphs. , 2021, , .		0
26	Partially Observed Steering the State of Linear Stochastic Systems. , 2021, , .		2
27	Forward-Backward Rapidly-Exploring Random Trees for Stochastic Optimal Control. , 2021, , .		3
28	On the Time Discretization of the Feynman-Kac Forward-Backward Stochastic Differential Equations for Value Function Approximation. , 2021, , .		2
29	Autonomous Planning and Control for Intelligent Vehicles in Traffic. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2339-2349.	4.7	40
30	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
31	Safe Optimal Control Under Parametric Uncertainties. IEEE Robotics and Automation Letters, 2020, 5, 5725-5731.	3.3	2
32	Stochastic Atmosphere Modeling for Risk Adverse Aerocapture Guidance. , 2020, , .		2
33	C-DOC: Co-State Desensitized Optimal Control. , 2020, , .		5
34	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
35	Chance Constrained Covariance Control for Linear Stochastic Systems With Output Feedback. , 2020, , .		7
36	Covariance Steering for Discrete-Time Linear-Quadratic Stochastic Dynamic Games*. , 2020, , .		2

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37	GPU Parallelization of Policy Iteration RRT#. , 2020, , .		3
38	Stochastic Differential Games: A Sampling Approach via FBSDEs. Dynamic Games and Applications, 2019, 9, 486-505.	1.1	4
39	Optimal Evading Strategies and Task Allocation in Multi-player Pursuit-Evasion Problems. Dynamic Games and Applications, 2019, 9, 1168-1187.	1.1	32
40	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
41	Optimal Stochastic Vehicle Path Planning Using Covariance Steering. IEEE Robotics and Automation Letters, 2019, 4, 2276-2281.	3.3	56
42	Multiplayer Pursuit-Evasion Games in Three-Dimensional Flow Fields. Dynamic Games and Applications, 2019, 9, 1188-1207.	1.1	5
43	Data-driven human driver lateral control models for developing haptic-shared control advanced driver assist systems. Robotics and Autonomous Systems, 2019, 114, 155-171.	3.0	24
44	Input Hard Constrained Optimal Covariance Steering. , 2019, , .		10
45	Nonlinear Uncertainty Control with Iterative Covariance Steering. , 2019, , .		28
46	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
47	Optimal Thrust Profile for Planetary Soft Landing Under Stochastic Disturbances. Journal of Guidance, Control, and Dynamics, 2019, 42, 209-216.	1.6	6
48	Advanced planning for autonomous vehicles using reinforcement learning and deep inverse reinforcement learning. Robotics and Autonomous Systems, 2019, 114, 1-18.	3.0	167
49	Minimum-fuel Powered Descent in the Presence of Random Disturbances. , 2019, , .		13
50	Free-flying Spacecraft-mounted Manipulators: A Tool for Simulating Dynamics and Control. , 2019, , .		4
51	Optimal Covariance Control for Stochastic Systems Under Chance Constraints. , 2018, 2, 266-271.		71
52	Relative Pose Stabilization using Backstepping Control with Dual Quaternions. , 2018, , .		2
53	Pursuit-Evasion Problems Involving Two Pursuers and One Evader. , 2018, , .		5
54	Optimal Evading Strategies for Two-Pursuer/One-Evader Problems. Journal of Guidance, Control, and Dynamics, 2018, 41, 851-862.	1.6	33

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73	Hierarchical state abstractions for decision-making problems with computational constraints. , 2017, , .		10
74	Pursuit-evasion games in dynamic flow fields via reachability set analysis. , 2017, , .		15
75	Cooperative Relative Navigation for Space Rendezvous and Proximity Operations using Controlled Active Vision. Journal of Field Robotics, 2016, 33, 205-228.	3.2	13
76	Reduced complexity multi-scale path-planning on probabilistic maps. , 2016, , .		2
77	Stochastic Game Theoretic trajectory optimization in continuous time. , 2016, , .		6
78	Game-theoretic and risk-sensitive stochastic optimal control via forward and backward stochastic differential equations. , 2016, , .		6
79	Partial attitude consensus for underactuated satellite clusters. , 2016, , .		3
80	Driver parameter estimation using joint E-/UKF and dual E-/UKF under nonlinear state inequality constraints. , 2016, , .		1
81	A new hybrid sensorimotor driver model with model predictive control. , 2016, , .		4
82	Incremental sampling-based motion planners using policy iteration methods. , 2016, , .		8
83	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
84	Optimal two-point visual driver model and controller development for driver-assist systems for semi-autonomous vehicles. , 2016, , .		12
85	UAV Collision Avoidance based on the Solution of the Suicidal Pedestrian Differential Game. , 2016, , .		14
86	Game Theoretic continuous time Differential Dynamic Programming. , 2015, , .		12
87	Interpolation and parallel adjustment of center-sampled trees with new balancing constraints. Visual Computer, 2015, 31, 1351-1363.	2.5	1
88	Machine learning guided exploration for sampling-based motion planning algorithms. , 2015, , .		22
89	Multi-scale perception and path planning on probabilistic obstacle maps. , 2015, , .		9
90	Extended Kalman Filter for Spacecraft Pose Estimation Using Dual Quaternions. Journal of Guidance, Control, and Dynamics, 2015, 38, 1625-1641.	1.6	64

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91	On the Suicidal Pedestrian Differential Game. <i>Dynamic Games and Applications</i> , 2015, 5, 297-317.	1.1	26
92	Extended Kalman Filter for spacecraft pose estimation using dual quaternions. , 2015, , .		6
93	Dynamic programming guided exploration for sampling-based motion planning algorithms. , 2015, , .		22
94	Pursuit evasion game of two players under an external flow field. , 2015, , .		11
95	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
96	Pose-Tracking Controller for Satellites with Time-Varying Inertia. , 2014, , .		3
97	Spectral analysis of extended consensus algorithms for multiagent systems. , 2014, , .		0
98	Curvature-Bounded Traversability Analysis in Motion Planning for Mobile Robots. <i>IEEE Transactions on Robotics</i> , 2014, 30, 1011-1019.	7.3	18
99	Design of a lane-tracking driver steering assist system and its interaction with a two-point visual driver model. , 2014, , .		23
100	Efficient Closed-Loop Detection and Pose Estimation for Vision-Only Relative Localization in Space with A Cooperative Target. , 2014, , .		6
101	Information-theoretic stochastic optimal control via incremental sampling-based algorithms. , 2014, , .		4
102	An asymmetric version of the two car pursuit-evasion game. , 2014, , .		10
103	An optimal evader strategy in a two-pursuer one-evader problem. , 2014, , .		7
104	Real-Time Near-Optimal Feedback Control of Aggressive Vehicle Maneuvers. <i>Lecture Notes in Control and Information Sciences</i> , 2014, , 109-129.	0.6	6
105	Optimal Synthesis of the Zermelo–Markov–Dubins Problem in a Constant Drift Field. <i>Journal of Optimization Theory and Applications</i> , 2013, 156, 469-492.	0.8	38
106	Optimal Feedback Guidance of a Small Aerial Vehicle in a Stochastic Wind. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 975-985.	1.6	49
107	Analysis of Energy-Optimal Aircraft Landing Operation Trajectories. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 833-845.	1.6	15
108	On-Line Path Generation for Unmanned Aerial Vehicles Using B-Spline Path Templates. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 1642-1653.	1.6	51

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109	Optimal motion planning with the half-car dynamical model for autonomous high-speed driving. , 2013, , .		46
110	Time-Optimal Path Following for Fixed-Wing Aircraft. Journal of Guidance, Control, and Dynamics, 2013, 36, 83-95.	1.6	17
111	Optimal partitioning for spatiotemporal coverage in a drift field. Automatica, 2013, 49, 2064-2073.	3.0	28
112	Simultaneous position and attitude control without linear and angular velocity feedback using dual quaternions. , 2013, , .		46
113	Time-optimal vehicle posture control to mitigate unavoidable collisions using conventional control inputs. , 2013, , .		12
114	Use of relaxation methods in sampling-based algorithms for optimal motion planning. , 2013, , .		117
115	Speed profile optimization for optimal path tracking. , 2013, , .		4
116	A sequential pursuer-target assignment problem under external disturbances. , 2013, , .		3
117	Adaptive Model-Independent Tracking of Rigid Body Position and Attitude Motion with Mass and Inertia Matrix Identification using Dual Quaternions. , 2013, , .		24
118	Fuel-Efficient Flight Optimization for ATC Operations During Descent and Approach Phases. , 2013, , .		1
119	Robust Feature Detection, Acquisition and Tracking for Relative Navigation in Space with a Known Target. , 2013, , .		17
120	Rigid body motion tracking without linear and angular velocity feedback using dual quaternions. , 2013, , .		36
121	Hierarchical motion planning with kinodynamic feasibility guarantees: Local trajectory planning via model predictive control. , 2012, , .		10
122	Multiresolution Motion Planning for Autonomous Agents via Wavelet-Based Cell Decompositions. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 1455-1469.	5.5	24
123	Feedback Navigation in an Uncertain Flowfield and Connections with Pursuit Strategies. Journal of Guidance, Control, and Dynamics, 2012, 35, 1268-1279.	1.6	24
124	The Markov-Dubins problem in the presence of a stochastic drift field. , 2012, , .		5
125	On the Computational Complexity of Peer-to-Peer Satellite Refueling Strategies. Infor, 2012, 50, 88-94.	0.5	1
126	Hierarchical Motion Planning With Dynamical Feasibility Guarantees for Mobile Robotic Vehicles. IEEE Transactions on Robotics, 2012, 28, 379-395.	7.3	65

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127	Relay pursuit of a maneuvering target using dynamic Voronoi diagrams. <i>Automatica</i> , 2012, 48, 2213-2220.	3.0	196
128	A Beamlet-Based Graph Structure for Path Planning Using Multiscale Information. <i>IEEE Transactions on Automatic Control</i> , 2012, 57, 1166-1178.	3.6	20
129	Development and Evaluation of an Automated Path Planning Aid. <i>Journal of Aircraft</i> , 2012, 49, 1774-1785.	1.7	4
130	Multiresolution Hierarchical Path-Planning for Small UAVs Using Wavelet Decompositions. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2012, 66, 505-522.	2.0	16
131	Multi-robot patrolling with coordinated behaviours in realistic environments. , 2011, , .		7
132	Incremental Multi-Scale Search Algorithm for Dynamic Path Planning With Low Worst-Case Complexity. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011, 41, 1556-1570.	5.5	31
133	Steady-state drifting stabilization of RWD vehicles. <i>Control Engineering Practice</i> , 2011, 19, 1363-1376.	3.2	85
134	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
135	Initial Guess Generation for Aircraft Landing Trajectory Optimization. , 2011, , .		4
136	Optimal pursuer and moving target assignment using dynamic Voronoi diagrams. , 2011, , .		3
137	Vehicle posture control through aggressive maneuvering for mitigation of T-bone collisions. , 2011, , .		12
138	Multi-Scale LPA* with low worst-case complexity guarantees. , 2011, , .		1
139	Extended multi-agent consensus protocols for the generation of geometric patterns in the plane. , 2011, , .		17
140	A quadratic programming approach to path smoothing. , 2011, , .		2
141	On the relay pursuit of a maneuvering target by a group of pursuers. , 2011, , .		6
142	Density Functions for Mesh Refinement in Numerical Optimal Control. <i>Journal of Guidance, Control, and Dynamics</i> , 2011, 34, 271-277.	1.6	69
143	The Zermeloâ€“Voronoi diagram: A dynamic partition problem. <i>Automatica</i> , 2010, 46, 2059-2067.	3.0	44
144	Time-optimal synthesis for the Zermelo-Markov-Dubins problem: The constant wind case. , 2010, , .		20

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145	On the existence and synthesis of curvature-bounded paths inside nonuniform rectangular channels. , 2010, , .		6
146	Multi-resolution path planning: Theoretical analysis, efficient implementation, and extensions to dynamic environments. , 2010, , .		10
147	Network Flow Formulation for Cooperative Peer-to-Peer Refueling Strategies. Journal of Guidance, Control, and Dynamics, 2010, 33, 1539-1549.	1.6	21
148	Kinematic feasibility guarantees in geometric path planning using history-based transition costs over cell decompositions. , 2010, , .		4
149	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
150	Optimal pursuit of moving targets using dynamic Voronoi diagrams. , 2010, , .		63
151	Time-Optimal Parameterization of Geometric Path for Fixed-Wing Aircraft. , 2010, , .		13
152	Minimum-Time Paths for a Small Aircraft in the Presence of Regionally-Varying Strong Winds. , 2010, , .		7
153	Lyapunov-based exact stability analysis and synthesis for linear single-parameter dependent systems. International Journal of Control, 2010, 83, 1823-1838.	1.2	16
154	The Zermelo-Voronoi Diagram: a dynamic partition problem. , 2010, , .		6
155	Beamlet-like data processing for accelerated path-planning using multiscale information of the environment. , 2010, , .		9
156	Shortest distance problems in graphs using history-dependent transition costs with application to kinodynamic path planning. , 2009, , .		14
157	On the generation of nearly optimal, planar paths of bounded curvature and bounded curvature gradient. , 2009, , .		14
158	On steady-state cornering equilibria for wheeled vehicles with drift. , 2009, , .		27
159	The asymmetric sinistral/dextral Markov-Dubins problem. , 2009, , .		2
160	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
161	Leader-follower cooperative attitude control of multiple rigid bodies. Systems and Control Letters, 2009, 58, 429-435.	1.3	305
162	Hohmann-Hohmann and Hohmann-Phasing Cooperative Rendezvous Maneuvers. Journal of the Astronautical Sciences, 2009, 57, 393-417.	0.8	13

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163	Sequential Multiresolution Trajectory Optimization Schemes for Problems with Moving Targets. Journal of Guidance, Control, and Dynamics, 2009, 32, 488-499.	1.6	2
164	A 5-dof Experimental Platform for Spacecraft Rendezvous and Docking. , 2009, , .		27
165	Pilot feedback for an automated planning aid system in the cockpit. , 2009, , .		3
166	A Hierarchical Multiresolution Adaptive Mesh Refinement for the Solution of Evolution PDEs. SIAM Journal of Scientific Computing, 2009, 31, 1221-1248.	1.3	6
167	Image segmentation on cell-center sampled quadtree and octree grids. , 2009, , .		7
168	Nonlinear-Feedback Vehicle Traction Force Control With Load Transfer. , 2009, , .		3
169	Minimum-Time Travel for a Vehicle with Acceleration Limits: Theoretical Analysis and Receding-Horizon Implementation. Journal of Optimization Theory and Applications, 2008, 138, 275-296.	0.8	71
170	On-line Path Generation for Small Unmanned Aerial Vehicles Using B-Spline Path Templates. , 2008, , .		29
171	Multiresolution Path Planning Via Sector Decompositions Compatible to On-Board Sensor Data. , 2008, , .		9
172	A Cooperative P2P Refueling Strategy for Circular Satellite Constellations. , 2008, , .		4
173	Optimality Properties and Driver Input Parameterization for Trail-braking Cornering. European Journal of Control, 2008, 14, 308-320.	1.6	58
174	Adaptive spacecraft attitude tracking control with actuator uncertainties. Journal of the Astronautical Sciences, 2008, 56, 251-268.	0.8	42
175	Robust design of a spacecraft attitude tracking control system with actuator uncertainties. , 2008, , .		4
176	Trajectory Optimization Using Multiresolution Techniques. Journal of Guidance, Control, and Dynamics, 2008, 31, 1424-1436.	1.6	80
177	On-line, kinodynamic trajectory generation through rectangular channels using path and motion primitives. , 2008, , .		3
178	Multiresolution path planning with wavelets: A local replanning approach. , 2008, , .		24
179	Egalitarian Peer-to-Peer Satellite Refueling Strategy. Journal of Spacecraft and Rockets, 2008, 45, 608-618.	1.3	33
180	Multiresolution on-line path planning for small unmanned aerial vehicles. , 2008, , .		25

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181	Leader-follower cooperative attitude control of multiple rigid bodies. , 2008, , .		6
182	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
183	Real-time Implementation and Validation of a New Hierarchical Path Planning Scheme of UAVs via Hardware-in-the-Loop Simulation. , 2008, , 163-181.		7
184	Inertial Attitude and Position Reference System Development for a Small UAV. , 2007, , .		41
185	Modeling and Hardware-in-the-Loop Simulation for a Small Unmanned Aerial Vehicle. , 2007, , .		69
186	Beyond quadrees: Cell decompositions for path planning using wavelet transforms. , 2007, , .		15
187	A hierarchical on-line path planning scheme using wavelets. , 2007, , .		24
188	Modeling aggressive maneuvers on loose surfaces: The cases of Trail-Braking and Pendulum-Turn. , 2007, , .		35
189	Asynchronous optimal mixed P2P satellite refueling strategies. Journal of the Astronautical Sciences, 2006, 54, 543-565.	0.8	21
190	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
191	Laplacian Cooperative Attitude Control of Multiple Rigid Bodies. , 2006, , .		7
192	Redundant wavelet processing on the half-axis with applications to signal denoising with small delays: theory and experiments. International Journal of Adaptive Control and Signal Processing, 2006, 20, 447-474.	2.3	1
193	Laplacian cooperative attitude control of multiple rigid bodies. , 2006, , .		17
194	Spacecraft Line-of-Sight Control Using a Single Variable-Speed Control Moment Gyro. Journal of Guidance, Control, and Dynamics, 2006, 29, 1295-1308.	1.6	60
195	Peer-to-Peer Refueling for Circular Satellite Constellations. Journal of Guidance, Control, and Dynamics, 2005, 28, 1220-1230.	1.6	58
196	Dynamic tyre friction models for combined longitudinal and lateral vehicle motion. Vehicle System Dynamics, 2005, 43, 3-29.	2.2	98
197	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
198	Adaptive Spacecraft Attitude Tracking Control with Actuator Uncertainties. , 2005, , .		21

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199	Spacecraft Angular Velocity and Line-of-Sight Control Using A Single-Gimbal Variable-Speed Control Moment Gyro. , 2005, , .		2
200	Comparison Between Peer-to-Peer and Single-Spacecraft Refueling Strategies for Spacecraft in Circular Orbits. , 2005, , .		13
201	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
202	Singularity Analysis of Variable Speed Control Moment Gyros. Journal of Guidance, Control, and Dynamics, 2004, 27, 374-386.	1.6	117
203	A LuGre Tire Friction Model With Exact Aggregate Dynamics. Vehicle System Dynamics, 2004, 42, 195-210.	2.2	32
204	Singularity Analysis and Avoidance of Variable-Speed Control Moment Gyros – Part I : No Power Constraint Case. , 2004, , .		5
205	Singularity Analysis and Avoidance of Variable-Speed Control Moment Gyros – Part II : Power Constraint Case. , 2004, , .		5
206	An Experimental Comparison of CMG Steering Control Laws. , 2004, , .		14
207	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
208	A 3-DoF Experimental Test-Bed for Integrated Attitude Dynamics and Control Research. , 2003, , .		33
209	Zero- and low-bias control designs for active magnetic bearings. IEEE Transactions on Control Systems Technology, 2003, 11, 889-904.	3.2	65
210	Dynamic Friction Models for Road/Tire Longitudinal Interaction. Vehicle System Dynamics, 2003, 39, 189-226.	2.2	284
211	Spacecraft Angular Velocity Stabilization Using a Single-Gimbal Variable Speed Control Moment Gyro. , 2003, , .		10
212	Optimal Two-Impulse Rendezvous Using Multiple-Revolution Lambert Solutions. Journal of Guidance, Control, and Dynamics, 2003, 26, 50-61.	1.6	110
213	Spacecraft Adaptive Attitude and Power Tracking with Variable Speed Control Moment Gyroscopes. Journal of Guidance, Control, and Dynamics, 2002, 25, 1081-1090.	1.6	150
214	Optimal Scheduling for Servicing Multiple Satellites in a Circular Constellation. , 2002, , .		28
215	Stability analysis of LPV time-delayed systems. International Journal of Control, 2002, 75, 538-558.	1.2	94
216	Tracking Rigid Body Motion Using Thrusters and Momentum Wheels. Journal of the Astronautical Sciences, 2002, 50, 311-323.	0.8	27

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217	Satellite Attitude Control and Power Tracking with Energy/Momentum Wheels. Journal of Guidance, Control, and Dynamics, 2001, 24, 23-34.	1.6	133
218	Stability of time-delay systems: equivalence between Lyapunov and scaled small-gain conditions. IEEE Transactions on Automatic Control, 2001, 46, 482-486.	3.6	181
219	Asymptotic stability of linear systems with multiple time-invariant state-delays. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 91-96.	0.4	2
220	Control design for chained-form systems with bounded inputs. Systems and Control Letters, 2000, 39, 123-131.	1.3	85
221	Control of underactuated spacecraft with bounded inputs. Automatica, 2000, 36, 1153-1169.	3.0	163
222	Control of Spacecraft Subject to Actuator Failures: State-of-the-Art and Open Problems. Journal of the Astronautical Sciences, 2000, 48, 337-358.	0.8	78
223	Detumbling and partial attitude stabilization of a rigid spacecraft under actuator failure. , 2000, , .		14
224	Time-Optimal Control of Axisymmetric Rigid Spacecraft Using Two Controls. Journal of Guidance, Control, and Dynamics, 1999, 22, 682-694.	1.6	111
225	Inverse optimal stabilization of a rigid spacecraft. IEEE Transactions on Automatic Control, 1999, 44, 1042-1049.	3.6	287
226	Optimal Control of Rigid Body Angular Velocity with Quadratic Cost. Journal of Optimization Theory and Applications, 1998, 96, 507-532.	0.8	6
227	An $\hat{\alpha}$, ² disturbance attenuation solution to the nonlinear benchmark problem. International Journal of Robust and Nonlinear Control, 1998, 8, 311-330.	2.1	63
228	Optimal control of a magnetic bearing without bias flux using finite voltage. Optimal Control Applications and Methods, 1998, 19, 227-246.	1.3	9
229	Exponentially convergent control laws for nonholonomic systems in power form. Systems and Control Letters, 1998, 35, 87-95.	1.3	71
230	Further passivity results for the attitude control problem. IEEE Transactions on Automatic Control, 1998, 43, 1597-1600.	3.6	268
231	Asymptotic properties of higher order Cayley transforms. , 1998, , .		2
232	Tracking rigid body motion using thrusters and momentum wheels. , 1998, , .		8
233	Higher-Order Cayley Transforms with Applications to Attitude Representations. Journal of Guidance, Control, and Dynamics, 1997, 20, 528-534.	1.6	53
234	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

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