

Christopher G Mayhew

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12053423/publications.pdf>

Version: 2024-02-01

23
papers

881
citations

1306789

7
h-index

1719596

7
g-index

23
all docs

23
docs citations

23
times ranked

459
citing authors

#	ARTICLE	IF	CITATIONS
1	Quaternion-Based Hybrid Control for Robust Global Attitude Tracking. IEEE Transactions on Automatic Control, 2011, 56, 2555-2566.	3.6	303
2	Robust global asymptotic attitude stabilization of a rigid body by quaternion-based hybrid feedback. , 2009, , .		65
3	Quaternion-Based Hybrid Feedback for Robust Global Attitude Synchronization. IEEE Transactions on Automatic Control, 2012, 57, 2122-2127.	3.6	64
4	Synergistic Hybrid Feedback for Global Rigid-Body Attitude Tracking on \mathbb{S}^3 and \mathbb{S}^2 . IEEE Transactions on Automatic Control, 2013, 58, 2730-2742.	3.6	61
5	On quaternion-based attitude control and the unwinding phenomenon. , 2011, , .		55
6	Robust Source-Seeking Hybrid Controllers for Autonomous Vehicles. Proceedings of the American Control Conference, 2007, , .	0.0	39
7	On the topological structure of attraction basins for differential inclusions. Systems and Control Letters, 2011, 60, 1045-1050.	1.3	33
8	Robust source-seeking hybrid controllers for nonholonomic vehicles. , 2008, , .		31
9	Hybrid control of rigid-body attitude with synergistic potential functions. , 2011, , .		24
10	Synergistic potential functions for hybrid control of rigid-body attitude. , 2011, , .		24
11	Global stabilization of spherical orientation by synergistic hybrid feedback with application to reduced-attitude tracking for rigid bodies. Automatica, 2013, 49, 1945-1957.	3.0	24
12	Hybrid control of planar rotations. , 2010, , .		23
13	Robust global exponential stabilization on the n -dimensional sphere with applications to trajectory tracking for quadrotors. Automatica, 2019, 110, 108534.	3.0	22
14	Robust hybrid source-seeking algorithms based on directional derivatives and their approximations. , 2008, , .		21
15	Robust global asymptotic stabilization of a 6-DOF rigid body by quaternion-based hybrid feedback. , 2009, , .		19
16	Hybrid control of spherical orientation. , 2010, , .		15
17	Synergistic Lyapunov functions and backstepping hybrid feedbacks. , 2011, , .		14
18	Further results on synergistic Lyapunov functions and hybrid feedback design through backstepping. , 2011, , .		13

#	ARTICLE	IF	CITATIONS
19	Global asymptotic stabilization of the inverted equilibrium manifold of the 3-D pendulum by hybrid feedback. , 2010, , .		12
20	Global exponential stabilization on the n-dimensional sphere. , 2015, , .		8
21	Reduced-order modeling for studying and controlling misfire in four-stroke HCCI engines. , 2009, , .		7
22	Robust global asymptotic attitude synchronization by hybrid control. , 2010, , .		4
23	Exponential stabilization of a vectored-thrust vehicle using synergistic potential functions. , 2016, , .		0