

Ping Lu

List of Publications by Year in descending order

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18
papers

1,399
citations

686830

13
h-index

996533

15
g-index

18
all docs

18
docs citations

18
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite-Thrust Natural-Motion Circumnavigation Injection by Convex Optimization. Journal of Guidance, Control, and Dynamics, 2022, 45, 453-467.	1.6	9
2	Convex-Concave Decomposition of Nonlinear Equality Constraints in Optimal Control. Journal of Guidance, Control, and Dynamics, 2021, 44, 4-14.	1.6	19
3	Exact convex relaxation for optimal flight of aerodynamically controlled missiles. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 1881-1892.	2.6	84
4	Entry Trajectory Optimization by Second-Order Cone Programming. Journal of Guidance, Control, and Dynamics, 2016, 39, 227-241.	1.6	207
5	Entry Guidance Using Time-Scale Separation in Gliding Dynamics. Journal of Spacecraft and Rockets, 2015, 52, 1253-1258.	1.3	21
6	Optimal Aerocapture Guidance. Journal of Guidance, Control, and Dynamics, 2015, 38, 553-565.	1.6	68
7	Entry Guidance: A Unified Method. Journal of Guidance, Control, and Dynamics, 2014, 37, 713-728.	1.6	289
8	Solving Nonconvex Optimal Control Problems by Convex Optimization. Journal of Guidance, Control, and Dynamics, 2014, 37, 750-765.	1.6	236
9	Autonomous Trajectory Planning for Rendezvous and Proximity Operations by Conic Optimization. Journal of Guidance, Control, and Dynamics, 2013, 36, 375-389.	1.6	218
10	Reduced Transversality Conditions in Optimal Space Trajectories. Journal of Guidance, Control, and Dynamics, 2013, 36, 1289-1300.	1.6	23
11	Robust Trajectory Optimization for Highly Constrained Rendezvous and Proximity Operations. , 2013, , .		26
12	Comparison of Fully Numerical Predictor-Corrector and Apollo Skip Entry Guidance Algorithms. Journal of the Astronautical Sciences, 2012, 59, 517-540.	0.8	19
13	Fixed-point algorithms for optimal ascent trajectories of launch vehicles. Engineering Optimization, 2008, 40, 361-381.	1.5	4
14	Closed-form control laws for linear time-varying systems. IEEE Transactions on Automatic Control, 2000, 45, 537-542.	3.6	28
15	Non-linear systems with control and state constraints. Optimal Control Applications and Methods, 1997, 18, 313-326.	1.3	15
16	Optimal predictive control of continuous nonlinear systems. International Journal of Control, 1995, 62, 633-649.	1.2	130
17	Nonlinear Tracking Controllers Design. , 1993, , .		2
18	Minimum-Energy Feedback Control of Robots. , 1992, , .		1