

Pingyuan Cui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4734476/publications.pdf>

Version: 2024-02-01

13
papers

181
citations

1478505

6
h-index

1720034

7
g-index

13
all docs

13
docs citations

13
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and optimization of navigation and guidance techniques for Mars pinpoint landing: Review and prospect. Progress in Aerospace Sciences, 2017, 94, 82-94.	12.1	49
2	Optimal landing site selection based on safety index during planetary descent. Acta Astronautica, 2017, 132, 326-336.	3.2	35
3	Recent development of autonomous GNC technologies for small celestial body descent and landing. Progress in Aerospace Sciences, 2019, 110, 100551.	12.1	28
4	Trajectory curvature guidance for Mars landings in hazardous terrains. Automatica, 2018, 93, 161-171.	5.0	21
5	Probability-based hazard avoidance guidance for planetary landing. Acta Astronautica, 2018, 144, 12-22.	3.2	17
6	Observability-Based Navigation Using Optical and Radiometric Measurements for Asteroid Proximity. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2677-2688.	4.7	14
7	Hazard detection and avoidance for planetary landing based on Lyapunov control method. , 2012, , .		4
8	Sequence detection of planetary surface craters from DEM data. , 2012, , .		4
9	Autonomous navigation for small body landing using optical and inter-spacecraft measurements. , 2020, , .		4
10	Collision Risk-Perceptive Landing Control for Small-Body Missions. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3801-3812.	4.7	3
11	A robust Kalman filter for mars entry navigation. , 2015, , .		2
12	Spherical terrain matching for SLAM in planet exploration. , 2012, , .		0
13	Obstacles constrained Mars powered descent trajectory optimization via navigation function. , 2015, , .		0