

# Pingyuan Cui

## List of Publications by Year in descending order

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

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13  
papers

181  
citations

1478505

6  
h-index

1720034

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g-index

13  
all docs

13  
docs citations

13  
times ranked

153  
citing authors

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