

Stefano Silvestrini

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

178
citations

1478505

6
h-index

1474206

9
g-index

12
all docs

12
docs citations

12
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Radial basis function neural network aided adaptive extended Kalman filter for spacecraft relative navigation. <i>Aerospace Science and Technology</i> , 2020, 96, 105527.	4.8	58
2	HERMES: An ultra-wide band X and gamma-ray transient monitor on board a nano-satellite constellation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 936, 199-203.	1.6	36
3	Optical navigation for Lunar landing based on Convolutional Neural Network crater detector. <i>Aerospace Science and Technology</i> , 2022, 123, 107503.	4.8	22
4	Neural-aided GNC reconfiguration algorithm for distributed space system: development and PIL test. <i>Advances in Space Research</i> , 2021, 67, 1490-1505.	2.6	19
5	Neural-Based Predictive Control for Safe Autonomous Spacecraft Relative Maneuvers. <i>Journal of Guidance, Control, and Dynamics</i> , 2021, 44, 2303-2310.	2.8	15
6	Sky visibility analysis for astrophysical data return maximization in HERMES constellation. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2020, 6, .	1.8	11
7	Spacecraft Formation Relative Trajectories Identification for Collision-Free Maneuvers using Neural-Reconstructed Dynamics. , 2020, , .		8
8	Small bodies non-uniform gravity field on-board learning through Hopfield Neural Networks. <i>Planetary and Space Science</i> , 2022, 212, 105425.	1.7	4
9	A Comprehensive Model for Control of Vaporizing Liquid Microthrusters. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 2606-2613.	5.2	2
10	Centralized Autonomous Relative Navigation of Multiple Spacecraft Around Small Bodies. , 2020, , .		2
11	Centralized Autonomous Relative Navigation of Multiple Cubesats around Didymos System. <i>Journal of the Astronautical Sciences</i> , 2021, 68, 750-784.	1.5	1