

# Stefano Silvestrini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8456710/publications.pdf>

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