

Daniel Casanova

List of Publications by Year in descending order

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18
papers

196
citations

1040056

9
h-index

1058476

14
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18
all docs

18
docs citations

18
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term evolution of space debris under the J_2 effect, the solar radiation pressure and the solar and lunar perturbations. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2015, 123, 223-238.	1.4	33
2	2D Necklace Flower Constellations. <i>Acta Astronautica</i> , 2018, 142, 18-28.	3.2	23
3	Seeking GDOP-optimal Flower Constellations for global coverage problems through evolutionary algorithms. <i>Aerospace Science and Technology</i> , 2014, 39, 331-337.	4.8	22
4	Space debris collision avoidance using a three-filter sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3235-3242.	4.4	16
5	Time distributions in satellite constellation design. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 128, 197-219.	1.4	15
6	3-Dimensional Necklace Flower Constellations. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 129, 433-448.	1.4	15
7	Design of flower constellations using necklaces. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2014, 50, 1347-1358.	4.7	13
8	Relative and Absolute Station-Keeping for Two-Dimensional Lattice Flower Constellations. <i>Journal of Guidance, Control, and Dynamics</i> , 2016, 39, 2602-2604.	2.8	12
9	Lattice-preserving Flower Constellations under J_2 perturbations. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2015, 121, 83-100.	1.4	9
10	4D Lattice Flower Constellations. <i>Advances in Space Research</i> , 2021, 67, 3683-3695.	2.6	9
11	Nominal definition of satellite constellations under the Earth gravitational potential. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2020, 132, 1.	1.4	7
12	2D Necklace Flower Constellations applied to Earth observation missions. <i>Acta Astronautica</i> , 2021, 178, 203-215.	3.2	7
13	Optimizing Flower Constellations for Global Coverage. , 2012, , .		5
14	Creation of a synthetic population of space debris to reduce discrepancies between simulation and observations. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	1.4	4
15	n-Dimensional congruent lattices using necklaces. <i>Advances in Space Research</i> , 2021, 67, 3725-3743.	2.6	3
16	Estimation of a reliability range for the area-to-mass ratio of orbiters at the geostationary ring. <i>Acta Astronautica</i> , 2020, 166, 104-112.	3.2	2
17	Bifurcations in the attitude dynamics of a spacecraft in a gravity field. <i>Mechanics Research Communications</i> , 2013, 48, 59-65.	1.8	1
18	New methods for space debris collision assessment. <i>Proceedings of the International Astronomical Union</i> , 2014, 9, 150-153.	0.0	0