

Vadim V Yudintsev

List of Publications by Year in descending order

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papers

508
citations

687363

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18
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167
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of large space debris removal using tethered space tug. <i>Acta Astronautica</i> , 2013, 91, 149-156.	3.2	103
2	Dynamics of Large Debris Connected to Space Tug by a Tether. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 1654-1660.	2.8	82
3	Dynamics, analytical solutions and choice of parameters for towed space debris with flexible appendages. <i>Advances in Space Research</i> , 2015, 55, 660-667.	2.6	73
4	Behavior of tethered debris with flexible appendages. <i>Acta Astronautica</i> , 2014, 104, 91-98.	3.2	41
5	The motion of tethered tug-debris system with fuel residuals. <i>Advances in Space Research</i> , 2015, 56, 1493-1501.	2.6	40
6	Detumbling Space Debris Using Modified Yo-Yo Mechanism. <i>Journal of Guidance, Control, and Dynamics</i> , 2017, 40, 714-721.	2.8	26
7	Chaotic attitude motion of a low-thrust tug-debris tethered system in a Keplerian orbit. <i>Acta Astronautica</i> , 2017, 139, 419-427.	3.2	23
8	Chaos in Tethered Tug-Debris System Induced by Attitude Oscillations of Debris. <i>Journal of Guidance, Control, and Dynamics</i> , 2019, 42, 1630-1637.	2.8	20
9	Rotary Space Tether System for Active Debris Removal. <i>Journal of Guidance, Control, and Dynamics</i> , 2020, 43, 354-364.	2.8	20
10	Newton-Euler equations of multibody systems with changing structures for space applications. <i>Acta Astronautica</i> , 2011, 68, 2080-2087.	3.2	17
11	Dynamics and control of dual-spin gyrostat spacecraft with changing structure. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2013, 115, 91-105.	1.4	15
12	Motion Control of Space Tug During Debris Removal by a Coulomb Force. <i>Journal of Guidance, Control, and Dynamics</i> , 2018, 41, 1476-1484.	2.8	15
13	Dynamics and chaos control of gyrostat satellite. <i>Chaos, Solitons and Fractals</i> , 2012, 45, 1100-1107.	5.1	13
14	Dynamics of rotating tethered system for active debris removal. <i>Acta Astronautica</i> , 2022, 195, 405-415.	3.2	10
15	Dynamics and chaos control of asymmetric gyrostat satellites. <i>Cosmic Research</i> , 2014, 52, 216-228.	0.6	7
16	Reducing Environmental Damage After Emergency Engine Cutoff of the Launch Vehicle. <i>Journal of Spacecraft and Rockets</i> , 2021, 58, 685-696.	1.9	2
17	Dynamic control of tug-debris tethered system after the capturing of the debris. <i>Journal of Physics: Conference Series</i> , 2018, 1050, 012092.	0.4	1
18	Rotating tethered system for active space debris removal. <i>Journal of Physics: Conference Series</i> , 2019, 1260, 112032.	0.4	0