

Vladimir Martinusi

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

239
citations

1163117

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1125743

13
g-index

20
all docs

20
docs citations

20
times ranked

92
citing authors

#	ARTICLE	IF	CITATIONS
1	Solutions and periodicity of satellite relative motion under even zonal harmonics perturbations. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2011, 111, 387-414.	1.4	47
2	Foucault Pendulum-like problems: A tensorial approach. <i>International Journal of Non-Linear Mechanics</i> , 2008, 43, 743-760.	2.6	28
3	Relative Spacecraft Motion in a Central Force Field. <i>Journal of Guidance, Control, and Dynamics</i> , 2007, 30, 873-876.	2.8	26
4	Quaternionic Exact Solution to the Relative Orbital Motion Problem. <i>Journal of Guidance, Control, and Dynamics</i> , 2010, 33, 1035-1047.	2.8	23
5	Kepler's Problem in Rotating Reference Frames Part II: Relative Orbital Motion. <i>Journal of Guidance, Control, and Dynamics</i> , 2007, 30, 201-213.	2.8	20
6	Kepler's Problem in Rotating Reference Frames Part I: Prime Integrals, Vectorial Regularization. <i>Journal of Guidance, Control, and Dynamics</i> , 2007, 30, 192-200.	2.8	19
7	A complete closed form vectorial solution to the Kepler problem. <i>Meccanica</i> , 2007, 42, 465-476.	2.0	18
8	Exact solution to the relative orbital motion in eccentric orbits. <i>Solar System Research</i> , 2009, 43, 41-52.	0.7	16
9	Analytical Derivation of Single-Impulse Maneuvers Guaranteeing Bounded Relative Motion Under J ₂ . <i>Journal of Guidance, Control, and Dynamics</i> , 2014, 37, 233-242.	2.8	7
10	Exact Solution to the Relative Orbital Motion in a Central Force Field. , 2008, , .		6
11	Analytical solutions for J ₂ -perturbed unbounded equatorial orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2013, 115, 35-57.	1.4	6
12	Analytic propagation of near-circular satellite orbits in the atmosphere of an oblate planet. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2015, 123, 85-103.	1.4	6
13	First-order analytic propagation of satellites in the exponential atmosphere of an oblate planet. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 127, 451-476.	1.4	5
14	A Quaternionic Exact Solution to the Relative Orbital Motion. , 2008, , .		4
15	State Space Analysis for The Relative Spacecraft Motion in Geopotential Fields. , 2011, , .		3
16	Vectorial Regularization and Temporal Means in Keplerian Motion. <i>Journal of Nonlinear Mathematical Physics</i> , 2006, 13, 420.	1.3	2
17	Super-integrability in the unperturbed relative orbital motion problem. , 2010, , .		2
18	Analytical Orbit Propagator Based on Vectorial Orbital Elements. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Analytic Solution to the Relative Orbital Motion Around an Oblate Planet. , 2009, , .		0
20	Optimal Satellite Formation Establishment about an Oblate Planet. , 2011, , .		0