Vladimir Martinusi

List of Publications by Year
in descending order

20	239	1163117 8	1125743 13
papers	citations	h-index	g-index

20	20	20	92
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First-order analytic propagation of satellites in the exponential atmosphere of an oblate planet. Celestial Mechanics and Dynamical Astronomy, 2017, 127, 451-476.	1.4	5
2	Analytic propagation of near-circular satellite orbits in the atmosphere of an oblate planet. Celestial Mechanics and Dynamical Astronomy, 2015, 123, 85-103.	1.4	6
3	Analytical Derivation of Single-Impulse Maneuvers Guaranteeing Bounded Relative Motion Under J2. Journal of Guidance, Control, and Dynamics, 2014, 37, 233-242.	2.8	7
4	Analytical solutions for J 2-perturbed unbounded equatorial orbits. Celestial Mechanics and Dynamical Astronomy, 2013, 115, 35-57.	1.4	6
5	Analytical Orbit Propagator Based on Vectorial Orbital Elements. , 2013, , .		1
6	Optimal Satellite Formation Establishment about an Oblate Planet. , 2011, , .		0
7	Solutions and periodicity of satellite relative motion under even zonal harmonics perturbations. Celestial Mechanics and Dynamical Astronomy, 2011, 111, 387-414.	1.4	47
8	State Space Analysis for The Relative Spacecraft Motion in Geopotential Fields. , 2011, , .		3
9	Super-integrability in the unperturbed relative orbital motion problem. , 2010, , .		2
10	Quaternionic Exact Solution to the Relative Orbital Motion Problem. Journal of Guidance, Control, and Dynamics, 2010, 33, 1035-1047.	2.8	23
11	Exact solution to the relative orbital motion in eccentric orbits. Solar System Research, 2009, 43, 41-52.	0.7	16
12	Analytic Solution to the Relative Orbital Motion Around an Oblate Planet. , 2009, , .		0
13	Foucault Pendulum-like problems: A tensorial approach. International Journal of Non-Linear Mechanics, 2008, 43, 743-760.	2.6	28
14	A Quaternionic Exact Solution to the Relative Orbital Motion. , 2008, , .		4
15	Exact Solution to the Relative Orbital Motion in a Central Force Field. , 2008, , .		6
16	Relative Spacecraft Motion in a Central Force Field. Journal of Guidance, Control, and Dynamics, 2007, 30, 873-876.	2.8	26
17	Kepler's Problem in Rotating Reference Frames Part I: Prime Integrals, Vectorial Regularization. Journal of Guidance, Control, and Dynamics, 2007, 30, 192-200.	2.8	19
18	Kepler's Problem in Rotating Reference Frames Part II: Relative Orbital Motion. Journal of Guidance, Control, and Dynamics, 2007, 30, 201-213.	2.8	20

#	Article	IF	Citations
19	A complete closed form vectorial solution to the Kepler problem. Meccanica, 2007, 42, 465-476.	2.0	18
20	Vectorial Regularization and Temporal Means in Keplerian Motion. Journal of Nonlinear Mathematical Physics, 2006, 13, 420.	1.3	2