

Marco Sansottera

List of Publications by Year in descending order

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papers

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citations

1040056

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22
all docs

22
docs citations

22
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81
citing authors

#	ARTICLE	IF	CITATIONS
1	Kolmogorov and Nekhoroshev theory for the problem of three bodies. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2009, 104, 159-173.	1.4	38
2	On the extension of the Laplace-Lagrange secular theory to order two in the masses for extrasolar systems. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2013, 117, 149-168.	1.4	27
3	On the stability of the secular evolution of the planar Sun-Jupiter-Saturn-Uranus system. <i>Mathematics and Computers in Simulation</i> , 2013, 88, 1-14.	4.4	26
4	Secular dynamics of a planar model of the Sun-Jupiter-Saturn-Uranus system; effective stability in the light of Kolmogorov and Nekhoroshev theories. <i>Regular and Chaotic Dynamics</i> , 2017, 22, 54-77.	0.8	26
5	A semi-analytic algorithm for constructing lower dimensional elliptic tori in planetary systems. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2011, 111, 337-361.	1.4	21
6	Resonant Laplace-Lagrange theory for extrasolar systems in mean-motion resonance. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2019, 131, 1.	1.4	16
7	On the convergence of an algorithm constructing the normal form for elliptic lower dimensional tori in planetary systems. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2014, 119, 397-424.	1.4	14
8	A reverse KAM method to estimate unknown mutual inclinations in exoplanetary systems. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	1.4	13
9	On the nonexistence of degenerate phase-shift discrete solitons in a dNLS nonlocal lattice. <i>Physica D: Nonlinear Phenomena</i> , 2018, 370, 1-13.	2.8	10
10	Rigorous estimates for the relegation algorithm. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2017, 127, 1-18.	1.4	8
11	Effective stability around the Cassini state in the spin-orbit problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2014, 119, 75-89.	1.4	7
12	Improved convergence estimates for the Schröder-Siegel problem. <i>Annali Di Matematica Pura Ed Applicata</i> , 2015, 194, 995-1013.	1.0	6
13	On the nonexistence of degenerate phase-shift multibreathers in Klein-Gordon models with interactions beyond nearest neighbors. <i>Physica D: Nonlinear Phenomena</i> , 2019, 398, 92-114.	2.8	5
14	Librational KAM tori in the secular dynamics of the β -Andromeda planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 2147-2166.	4.4	5
15	Effective resonant stability of Mercury. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 4145-4152.	4.4	4
16	On the continuation of degenerate periodic orbits via normal form: full dimensional resonant tori. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 61, 198-224.	3.3	4
17	Exponential Stability in the Perturbed Central Force Problem. <i>Regular and Chaotic Dynamics</i> , 2018, 23, 821-841.	0.8	4
18	On the continuation of degenerate periodic orbits via normal form: Lower dimensional resonant tori. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 90, 105360.	3.3	4

#	ARTICLE	IF	CITATIONS
19	High-order control for symplectic maps. <i>Physica D: Nonlinear Phenomena</i> , 2016, 316, 1-15.	2.8	3
20	A numerical criterion evaluating the robustness of planetary architectures; applications to the <i>Andromeda</i> system. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 65-84.	0.0	3
21	On the relativistic Lagrange-Laplace secular dynamics for extrasolar systems. <i>Proceedings of the International Astronomical Union</i> , 2014, 9, 74-77.	0.0	2
22	Continuation of spatially localized periodic solutions in discrete NLS lattices via normal forms. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 108, 106266.	3.3	1