Manuele Santoprete

List of Publications by Year
in descending order

40	544	687363	642732
papers	**citations**	13	23
		h-index	**g-index**
40	40	40	179
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	The n-Body Problem in Spaces of Constant Curvature. Part I: Relative Equilibria. Journal of Nonlinear Science, 2012, 22, 247-266.	2.1	66
2	The n-Body Problem in Spaces of Constant Curvature. Part II: Singularities. Journal of Nonlinear Science, 2012, 22, 267-275.	2.1	50
3	Convex Four-Body Central Configurations with Some Equal Masses. Archive for Rational Mechanics and Analysis, 2007, 185, 481-494.	2.4	45
4	Seven-body central configurations: a family of central configurations in the spatial seven-body problem. Celestial Mechanics and Dynamical Astronomy, 2007, 99, 293-305.	1.4	37
5	Central configurations of the five-body problem with equal masses. Celestial Mechanics and Dynamical Astronomy, 2009, 104, 369-381.	1.4	33
6	Relative Equilibria in the Four-Vortex Problem with Two Pairs of Equal Vorticities. Journal of Nonlinear Science, 2014, 24, 39-92.	2.1	30
7	Saari's conjecture for the collinear n-body problem. Transactions of the American Mathematical Society, 2004, 357, 4215-4223.	0.9	29
8	Central configurations and total collisions for quasihomogeneous -body problems. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 1425-1439.	1.1	19
9	Nonintegrability and chaos in the anisotropic Manev problem. Physica D: Nonlinear Phenomena, 2001, 156, 39-52.	2.8	17
10	On the global dynamics of the anisotropic Manev problem. Physica D: Nonlinear Phenomena, 2004, 194, 75-94.	2.8	17
11	The Kepler problem with anisotropic perturbations. Journal of Mathematical Physics, 2005, 46, 072701.	1.1	16
12	Gravitational and harmonic oscillator potentials on surfaces of revolution. Journal of Mathematical Physics, 2008, 49, 042903.	1.1	16
13	Saari's homographic conjecture of the three-body problem. Transactions of the American Mathematical Society, 2008, 360, 6447-6473.	0.9	16
14	Symmetric periodic solutions of the anisotropic Manev problem. Journal of Mathematical Physics, 2002, 43, 3207-3219.	1.1	14
15	Rosette Central Configurations, Degenerate Central Configurations and Bifurcations. Celestial Mechanics and Dynamical Astronomy, 2006, 94, 271-287.	1.4	13
16	Global stability in a mathematical model of de-radicalization. Physica A: Statistical Mechanics and Its Applications, 2018, 509, 151-161.	2.6	13
17	An approach to Mel'nikov theory in celestial mechanics. Journal of Mathematical Physics, 2000, 41, 805-815.	1.1	12
18	Chaos in Black Holes Surrounded by Electromagnetic Fields. General Relativity and Gravitation, 2002, 34, 1107-1119.	2.0	11

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19	Four-body central configurations with one pair of opposite sides parallel. Journal of Mathematical Analysis and Applications, 2018, 464, 421-434.	1.0	11
20	A bare-bones mathematical model of radicalization. Journal of Dynamics and Games, 2018, 5, 243-264.	1.0	10
21	Countering violent extremism: A mathematical model. Applied Mathematics and Computation, 2019, 358, 314-329.	2.2	9
22	Nonhyperbolic homoclinic chaos. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 256, 25-30.	2.1	7
23	A Counterexample to a Generalized Saari's Conjecture with a Continuum of Central Configurations. Celestial Mechanics and Dynamical Astronomy, 2004, 89, 357-364.	1.4	7
24	Block regularization of the Kepler problem on surfaces of revolution with positive constant curvature. Journal of Differential Equations, 2009, 247, 1043-1063.	2.2	7
25	Bifurcations of Central Configurations in the Four-Body Problem with Some Equal Masses. SIAM Journal on Applied Dynamical Systems, 2016, 15, 440-458.	1.6	7
26	Linear Stability of the Lagrangian Triangle Solutions for Quasihomogeneous Potentials. Celestial Mechanics and Dynamical Astronomy, 2006, 94, 17-35.	1.4	5
27	On the uniqueness of trapezoidal four-body central configurations. Nonlinearity, 2021, 34, 424-437.	1.4	5
28	Regularization of the Kepler Problem on the Three-sphere. Canadian Journal of Mathematics, 2014, 66, 760-782.	0.6	3
29	Bifurcation of Relative Equilibria for Vortices and General Homogeneous Potentials. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	1.7	3
30	On the Uniqueness of Co-circular Four Body Central Configurations. Archive for Rational Mechanics and Analysis, 2021, 240, 971-985.	2.4	3
31	Escape dynamics in collinear atomic-like three mass point systems. Physica D: Nonlinear Phenomena, 2010, 239, 1516-1526.	2.8	2
32	On the topology of the double spherical pendulum. Regular and Chaotic Dynamics, 2012, 17, 36-53.	0.8	2
33	Title is missing!. Regular and Chaotic Dynamics, 2001, 6, 377.	0.8	2
34	Canonoid and Poissonoid transformations, symmetries and biHamiltonian structures. Journal of Geometric Mechanics, 2015, 7, 483-515.	0.8	2
35	Motion in a Symmetric Potential on the Hyperbolic Plane. Canadian Journal of Mathematics, 2015, 67, 450-480.	0.6	2
36	Smoothed dynamics in the central field problem. Nonlinear Analysis: Real World Applications, 2009, 10, 1870-1881.	1.7	1

#	Article	IF	Citations
37	Planarity conditions and four-body central configurations equations with angles as coordinates. Journal of Geometry and Physics, 2019, 140, 74-84.	1.4	1
38	On the Relationship between Two Notions of Compatibility for Bi-Hamiltonian Systems. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , .	0.5	1
39	Saariâ€™s Conjecture in Celestial Mechanics. AIP Conference Proceedings, 2008, , .	0.4	0
40	Suslov Problem with the Clebschâ€"Tisserand Potential. Regular and Chaotic Dynamics, 2018, 23, 193-211.	0.8	0