

# Mercedes Arribas

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

280  
citations

933447

10  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric evolution of periodic orbits in the restricted four-body problem with radiation pressure. Planetary and Space Science, 2007, 55, 475-493.	1.7	45
2	Bifurcations and equilibria in the extended N-body ring problem. Mechanics Research Communications, 2004, 31, 1-8.	1.8	41
3	Quaternions and the rotation of a rigid body. Celestial Mechanics and Dynamical Astronomy, 2006, 96, 239-251.	1.4	36
4	Homographic solutions in the planar $n+1$ body problem with quasi-homogeneous potentials. Celestial Mechanics and Dynamical Astronomy, 2007, 99, 1-12.	1.4	33
5	Periodic Solutions in the Planar $(n+1)$ Ring Problem with Oblateness. Journal of Guidance, Control, and Dynamics, 2007, 30, 1640-1648.	2.8	27
6	Dynamical properties of the restricted four-body problem with radiation pressure. Mechanics Research Communications, 2006, 33, 811-817.	1.8	23
7	Non-integrability of the motion of a particle around a massive straight segment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 281, 142-148.	2.1	17
8	Oscillators in resonance $p:q:r$ . Chaos, Solitons and Fractals, 2006, 27, 1220-1228.	5.1	17
9	Non-integrability of anisotropic quasi-homogeneous Hamiltonian systems. Mechanics Research Communications, 2003, 30, 209-216.	1.8	16
10	Symmetric periodic orbits in the Moulton's "Copenhagen problem. Celestial Mechanics and Dynamical Astronomy, 2019, 131, 1.	1.4	13
11	Attitude dynamics of a rigid body on a Keplerian orbit: A simplification. Celestial Mechanics and Dynamical Astronomy, 1993, 55, 243-247.	1.4	8
12	Symmetric Periodic Orbits in the Dipole-segment Problem for Two Equal Masses. Astronomical Journal, 2021, 161, 274.	4.7	3
13	Bifurcations in the attitude dynamics of a spacecraft in a gravity field. Mechanics Research Communications, 2013, 48, 59-65.	1.8	1
14	Periodic solutions and their parametric evolution in the planar case of the $(n+1)$ ring problem with oblateness. , 2006, , .		0
15	Quadratic Hamiltonians on non-symmetric Poisson structures. Chaos, Solitons and Fractals, 2007, 31, 489-499.	5.1	0