

# Maria Helena Moreira Morais

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

913  
citations

471509

17  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retrograde resonance in the planar three-body problem. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2013, 117, 405-421.	1.4	82
2	Stability of prograde and retrograde planets in circular binary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 52-64.	4.4	79
3	The Dwarf project: Eclipsing binaries “precise clocks to discover exoplanets. <i>Astronomische Nachrichten</i> , 2012, 333, 754-766.	1.2	64
4	Resonance capture at arbitrary inclination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 1998-2009.	4.4	64
5	Asteroids in retrograde resonance with Jupiter and Saturn. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 436, L30-L34.	3.3	55
6	A semi-empirical stability criterion for real planetary systems with eccentric orbits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3547-3556.	4.4	54
7	The Population of Near-Earth Asteroids in Coorbital Motion with the Earth. <i>Icarus</i> , 2002, 160, 1-9.	2.5	53
8	First trans-Neptunian object in polar resonance with Neptune. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 472, L1-L4.	3.3	43
9	Resonance capture at arbitrary inclination “ II. Effect of the radial drift rate. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 2673-2683.	4.4	40
10	Precession due to a close binary system: an alternative explanation for $\hat{1}/2$ -Octantis?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 3447-3456.	4.4	37
11	A numerical investigation of coorbital stability and libration in three dimensions. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016, 125, 91-106.	1.4	36
12	An interstellar origin for Jupiter’s retrograde co-orbital asteroid. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 477, L117-L121.	3.3	36
13	Hamiltonian formulation of the secular theory for Trojan-type motion. <i>Astronomy and Astrophysics</i> , 2001, 369, 677-689.	5.1	32
14	The EChO science case. <i>Experimental Astronomy</i> , 2015, 40, 329-391.	3.7	31
15	Periodic orbits of the retrograde coorbital problem. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 3799-3805.	4.4	23
16	Reckless orbiting in the Solar System. <i>Nature</i> , 2017, 543, 635-636.	27.8	21
17	The population of Near Earth Asteroids in coorbital motion with Venus. <i>Icarus</i> , 2006, 185, 29-38.	2.5	18
18	Dynamical analysis and constraints for the HD%196885 system. <i>Astronomy and Astrophysics</i> , 2012, 541, A151.	5.1	17

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19	Tidal damping of the mutual inclination in hierarchical systems. <i>Astronomy and Astrophysics</i> , 2013, 553, A39.	5.1	17
20	An interstellar origin for high-inclination Centaurs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2191-2199.	4.4	17
21	Stellar wobble caused by a binary system: Can it really be mistaken as an extra-solar planet?. <i>Astronomy and Astrophysics</i> , 2008, 491, 899-906.	5.1	15
22	The disturbing function for polar Centaurs and transneptunian objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2097-2110.	4.4	14
23	The disturbing function for asteroids with arbitrary inclinations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 157-176.	4.4	14
24	Resonance libration and width at arbitrary inclination. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2854-2871.	4.4	12
25	Stellar wobble caused by a nearby binary system: eccentric and inclined orbits. <i>Astronomy and Astrophysics</i> , 2011, 525, A152.	5.1	10
26	Three-dimensional retrograde periodic orbits of asteroids moving in mean motion resonances with Jupiter. <i>Planetary and Space Science</i> , 2022, 210, 105374.	1.7	7
27	The long term stability of coorbital moons of the satellites of Saturn. <i>Icarus</i> , 2007, 192, 106-116.	2.5	6
28	On retrograde orbits, resonances and stability. <i>Computational and Applied Mathematics</i> , 2016, 35, 881-891.	1.3	5
29	A study of the 1/2 retrograde resonance: periodic orbits and resonant capture. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2021, 133, 1.	1.4	4
30	A Mapping Model for the Coorbital Problem. , 2001, , 263-264.		3
31	A numerical study of the 1/2, 2/1, and 1/1 retrograde mean motion resonances in planetary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 2280-2292.	4.4	3
32	Construction and maintenance of a fuzzy temporal ontology from news stories. <i>International Journal of Metadata, Semantics and Ontologies</i> , 2011, 6, 219.	0.2	1
33	Stellar Wobble Due to a Nearby Binary System. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 137-138.	0.0	0
34	An Error Correction Methodology for Time Dependent Ontologies. <i>Lecture Notes in Computer Science</i> , 2011, , 501-512.	1.3	0
35	Stability of Perturbed Coorbital Satellites. , 1999, , 277-282.		0
36	Stellar Wobble Caused by a Binary System: Investigation in the Framework of the General Three Body Problem. , 2008, , 299-300.		0