# Maria Helena Moreira Morais

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Three-dimensional retrograde periodic orbits of asteroids moving in mean motion resonances with Jupiter. Planetary and Space Science, 2022, 210, 105374. | 1.7 | 7 |
| 2 | A numerical study of the 1/2, 2/1, and 1/1 retrograde mean motion resonances in planetary systems. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2280-2292. | 4.4 | 3 |
| 3 | A study of the 1/2 retrograde resonance: periodic orbits and resonant capture. Celestial Mechanics and Dynamical Astronomy, 2021, 133, 1. | 1.4 | 4 |
| 4 | An interstellar origin for high-inclination Centaurs. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2191-2199. | 4.4 | 17 |
| 5 | Resonance libration and width at arbitrary inclination. Monthly Notices of the Royal Astronomical Society, 2020, 493, 2854-2871. | 4.4 | 12 |
| 6 | Periodic orbits of the retrograde coorbital problem. Monthly Notices of the Royal Astronomical Society, 2019, 490, 3799-3805. | 4.4 | 23 |
| 7 | The disturbing function for asteroids with arbitrary inclinations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 157-176. | 4.4 | 14 |
| 8 | An interstellar origin for Jupiterâ€™s retrograde co-orbital asteroid. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L117-L121. | 3.3 | 36 |
| 9 | Reckless orbiting in the Solar System. Nature, 2017, 543, 635-636. | 27.8 | 21 |
| 10 | First trans-Neptunian object in polar resonance with Neptune. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 472, L1-L4. | 3.3 | 43 |
| 11 | The disturbing function for polar Centaurs and transneptunian objects. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2097-2110. | 4.4 | 14 |
| 12 | Resonance capture at arbitrary inclination â€“ II. Effect of the radial drift rate. Monthly Notices of the Royal Astronomical Society, 2017, 467, 2673-2683. | 4.4 | 40 |
| 13 | A numerical investigation of coorbital stability and libration in three dimensions. Celestial Mechanics and Dynamical Astronomy, 2016, 125, 91-106. | 1.4 | 36 |
| 14 | On retrograde orbits, resonances and stability. Computational and Applied Mathematics, 2016, 35, 881-891. | 1.3 | 5 |
| 15 | The EChO science case. Experimental Astronomy, 2015, 40, 329-391. | 3.7 | 31 |
| 16 | Resonance capture at arbitrary inclination. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1998-2009. | 4.4 | 64 |
| 17 | Retrograde resonance in the planar three-body problem. Celestial Mechanics and Dynamical Astronomy, 2013, 117, 405-421. | 1.4 | 82 |
| 18 | A semi-empirical stability criterion for real planetary systems with eccentric orbits. Monthly Notices of the Royal Astronomical Society, 2013, 436, 3547-3556. | 4.4 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Asteroids in retrograde resonance with Jupiter and Saturn. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 436, L30-L34. | 3.3 | 55 |
| 20 | Tidal damping of the mutual inclination in hierarchical systems. Astronomy and Astrophysics, 2013, 553, A39. | 5.1 | 17 |
| 21 | The Dwarf project: Eclipsing binaries â€“ precise clocks to discover exoplanets. Astronomische Nachrichten, 2012, 333, 754-766. | 1.2 | 64 |
| 22 | Dynamical analysis and constraints for the HDâ€‰196885 system. Astronomy and Astrophysics, 2012, 541, A151. | 5.1 | 17 |
| 23 | Precession due to a close binary system: an alternative explanation for Î½-Octantis?. Monthly Notices of the Royal Astronomical Society, 2012, 419, 3447-3456. | 4.4 | 37 |
| 24 | Stability of prograde and retrograde planets in circular binary systems. Monthly Notices of the Royal Astronomical Society, 2012, 424, 52-64. | 4.4 | 79 |
| 25 | Stellar Wobble Due to a Nearby Binary System. Proceedings of the International Astronomical Union, 2011, 7, 137-138. | 0.0 | 0 |
| 26 | Construction and maintenance of a fuzzy temporal ontology from news stories. International Journal of Metadata, Semantics and Ontologies, 2011, 6, 219. | 0.2 | 1 |
| 27 | Stellar wobble caused by a nearby binary system: eccentric and inclined orbits. Astronomy and Astrophysics, 2011, 525, A152. | 5.1 | 10 |
| 28 | An Error Correction Methodology for Time Dependent Ontologies. Lecture Notes in Computer Science, 2011, , 501-512. | 1.3 | 0 |
| 29 | Stellar wobble caused by a binary system: Can it really be mistaken as an extra-solar planet?. Astronomy and Astrophysics, 2008, 491, 899-906. | 5.1 | 15 |
| 30 | Stellar Wobble Caused by a Binary System: Investigation in the Framework of the General Three Body Problem. , 2008, , 299-300. | | 0 |
| 31 | The long term stability of coorbital moons of the satellites of Saturn. Icarus, 2007, 192, 106-116. | 2.5 | 6 |
| 32 | The population of Near Earth Asteroids in coorbital motion with Venus. Icarus, 2006, 185, 29-38. | 2.5 | 18 |
| 33 | The Population of Near-Earth Asteroids in Coorbital Motion with the Earth. Icarus, 2002, 160, 1-9. | 2.5 | 53 |
| 34 | Hamiltonian formulation of the secular theory for Trojan-type motion. Astronomy and Astrophysics, 2001, 369, 677-689. | 5.1 | 32 |
| 35 | A Mapping Model for the Coorbital Problem. , 2001, , 263-264. | | 3 |
| 36 | Stability of Perturbed Coorbital Satellites. , 1999, , 277-282. | | 0 |