

Rita de Cássia Domingos

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

497
citations

840776

11
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable satellites around extrasolar giant planets. Monthly Notices of the Royal Astronomical Society, 2006, 373, 1227-1234.	4.4	179
2	Third-Body Perturbation in the Case of Elliptic Orbits for the Disturbing Body. Mathematical Problems in Engineering, 2008, 2008, 1-14.	1.1	51
3	A multidomain approach to asteroid families'™ identification. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2075-2096.	4.4	50
4	Dynamical evolution of V-type asteroids in the central main belt. Monthly Notices of the Royal Astronomical Society, 2014, 439, 3168-3179.	4.4	28
5	Dynamical evolution and chronology of the Hygiea asteroid family. Monthly Notices of the Royal Astronomical Society, 2014, 437, 2279-2290.	4.4	22
6	Machine learning classification of new asteroid families members. Monthly Notices of the Royal Astronomical Society, 2020, 496, 540-549.	4.4	16
7	Chaotic diffusion caused by close encounters with several massive asteroids. Astronomy and Astrophysics, 2013, 550, A85.	5.1	15
8	Dynamical evolution of V-type photometric candidates in the outer main belt. Monthly Notices of the Royal Astronomical Society, 2014, 444, 2985-2992.	4.4	14
9	On the oldest asteroid families in the main belt. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3731-3738.	4.4	14
10	Analysis of 25 mutual eclipses and occultations between the Galilean satellites observed from Brazil in 2009. Monthly Notices of the Royal Astronomical Society, 2013, 432, 225-242.	4.4	13
11	Distribution of refractory and volatile elements in CoRoT exoplanet host stars. Astronomy and Astrophysics, 2010, 517, A40.	5.1	11
12	Studying the lifetime of orbits around Moons in elliptic motion. Computational and Applied Mathematics, 2016, 35, 653-661.	1.3	10
13	Identification of asteroid groups in the z_1 and z_2 nonlinear secular resonances through genetic algorithms. Celestial Mechanics and Dynamical Astronomy, 2021, 133, 1.	1.4	7
14	Chaotic diffusion caused by close encounters with several massive asteroids. Astronomy and Astrophysics, 2012, 543, A105.	5.1	6
15	A Study of Single- and Double-Averaged Second-Order Models to Evaluate Third-Body Perturbation Considering Elliptic Orbits for the Perturbing Body. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	6
16	Effects of the Eccentricity of a Perturbing Third Body on the Orbital Correction Maneuvers of a Spacecraft. Mathematical Problems in Engineering, 2014, 2014, 1-15.	1.1	6
17	On the highly inclined W -type asteroid families. Monthly Notices of the Royal Astronomical Society, 2016, 463, 705-711.	4.4	6
18	Studying the behaviour of averaged models in the third body perturbation problem. Journal of Physics: Conference Series, 2013, 465, 012017.	0.4	5

#	ARTICLE	IF	CITATIONS
19	A study of the errors of the averaged models in the restricted three-body problem in a short time scale. <i>Computational and Applied Mathematics</i> , 2015, 34, 507-520.	1.3	5
20	The Maria asteroid family. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4820-4826.	4.4	5
21	Earth-size planet formation in the habitable zone of circumbinary stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1045-1057.	4.4	5
22	Identifying the population of stable $\hat{1}/26$ resonant asteroids using large data bases. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4803-4815.	4.4	5
23	The resonant population of asteroids in librating states of the $\hat{1}/26$ linear secular resonance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1707-1717.	4.4	4
24	The asteroid population in g-type non-linear secular resonances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4982-4991.	4.4	3
25	Mean motion resonances and the stability of a circumbinary disk in a triple stellar system. <i>Astronomy and Astrophysics</i> , 2012, 544, A63.	5.1	3
26	A possible stellar metallic enhancement in post-T Tauri stars by a planetesimal bombardment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 1418-1426.	4.4	2
27	Planet formation in a triple stellar system: implications of the third star's orbital inclination. <i>International Journal of Astrobiology</i> , 2015, 14, 153-163.	1.6	2
28	Probabilistic Modeling of Asteroid Diameters from Gaia DR2 Errors. <i>Research Notes of the AAS</i> , 2021, 5, 199.	0.7	2
29	Perturbation of the Sun on Frozen Orbits Around Mars. <i>Journal of Physics: Conference Series</i> , 2019, 1365, 012028.	0.4	1
30	Possibility of collision between co-orbital asteroids and the Earth. <i>Computational and Applied Mathematics</i> , 2005, 24, .	1.3	1
31	Collisions with the Earth: the Moon's contribution. <i>Advances in Space Research</i> , 2004, 33, 1534-1538.	2.6	0
32	Distribution of refractory and volatile elements in CoRoT planet host stars. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 424-425.	0.0	0
33	The Rafita asteroid family. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx184.	4.4	0
34	OTIMIZAÇÃO DE MANOBRAS RENDEZVOUS EM MISSÕES INTERPLANETÁRIAS UTILIZANDO ALGORITMO GENÉTICO. , 2019, , .		0