

Alexandre C M Correia

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

6,931
citations

159585

30
h-index

66911

78
g-index

85
all docs

85
docs citations

85
times ranked

6551
citing authors

#	ARTICLE	IF	CITATIONS
1	Eviction-like resonances for satellite orbits. <i>Astronomy and Astrophysics</i> , 2022, 657, A103.	5.1	4
2	Detection of the tidal deformation of WASP-103b at 3 σ with CHEOPS. <i>Astronomy and Astrophysics</i> , 2022, 657, A52.	5.1	22
3	BEBOP III. Observations and an independent mass measurement of Kepler-16(AB)b – the first circumbinary planet detected with radial velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3561-3570.	4.4	16
4	BEBOP II: sensitivity to sub-Saturn circumbinary planets using radial-velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3571-3583.	4.4	17
5	Tidal evolution for any rheological model using a vectorial approach expressed in Hansen coefficients. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2022, 134, .	1.4	3
6	Revisiting the analysis of HW Virginis eclipse timing data. <i>Astronomy and Astrophysics</i> , 2021, 648, A85.	5.1	12
7	Six transiting planets and a chain of Laplace resonances in TOI-178. <i>Astronomy and Astrophysics</i> , 2021, 649, A26.	5.1	94
8	New constraints on the planetary system around the young active star AU Mic. <i>Astronomy and Astrophysics</i> , 2021, 649, A177.	5.1	62
9	An analytical model for tidal evolution in co-orbital systems. I. Application to exoplanets. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2021, 133, 1.	1.4	6
10	Faint objects in motion: the new frontier of high precision astrometry. <i>Experimental Astronomy</i> , 2021, 51, 845-886.	3.7	17
11	Radio astronomy and Space science in Azores: Enhancing the Atlantic VLBI infrastructure cluster. <i>Advances in Space Research</i> , 2021, 68, 3064-3078.	2.6	1
12	Andrade rheology in time-domain. Application to Enceladus' dissipation of energy due to forced libration. <i>Icarus</i> , 2020, 343, 113610.	2.5	18
13	TOI-1338: TESS™ First Transiting Circumbinary Planet. <i>Astronomical Journal</i> , 2020, 159, 253.	4.7	58
14	Why do warm Neptunes present nonzero eccentricity?. <i>Astronomy and Astrophysics</i> , 2020, 635, A37.	5.1	22
15	Discovery and characterization of the exoplanets WASP-148b and c. <i>Astronomy and Astrophysics</i> , 2020, 640, A32.	5.1	14
16	Tidal evolution of the Pluto–Charon binary. <i>Astronomy and Astrophysics</i> , 2020, 644, A94.	5.1	5
17	Planetary system LHS 1140 revisited with ESPRESSO and TESS. <i>Astronomy and Astrophysics</i> , 2020, 642, A121.	5.1	50
18	On tidal theories and the rotation of viscous bodies. <i>EAS Publications Series</i> , 2019, 82, 91-98.	0.3	3

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19	Spin-orbit coupling for close-in planets. <i>Astronomy and Astrophysics</i> , 2019, 630, A102.	5.1	8
20	Detectability of shape deformation in short-period exoplanets. <i>Astronomy and Astrophysics</i> , 2019, 621, A117.	5.1	24
21	Co-orbital exoplanets from close-period candidates: the TOI-178 case. <i>Astronomy and Astrophysics</i> , 2019, 624, A46.	5.1	20
22	Nearly polar orbit of the sub-Neptune HD 3167 c. <i>Astronomy and Astrophysics</i> , 2019, 631, A28.	5.1	31
23	On the coplanar eccentric non-restricted co-orbital dynamics. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	1.4	12
24	Chaotic dynamics in the (47171) Lempo triple system. <i>Icarus</i> , 2018, 305, 250-261.	2.5	10
25	The <i>TROY</i> project: Searching for co-orbital bodies to known planets. <i>Astronomy and Astrophysics</i> , 2018, 609, A96.	5.1	28
26	The TROY project. <i>Astronomy and Astrophysics</i> , 2018, 618, A42.	5.1	21
27	Dynamical evolution of triple-star systems by Lidovâ€™Kozai cycles and tidal friction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 4749-4759.	4.4	13
28	The effects of deformation inertia (kinetic energy) in the orbital and spin evolution of close-in bodies. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2018, 130, 1.	1.4	8
29	Numerical modelling of tertiary tides. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 3604-3615.	4.4	7
30	Detection of co-orbital planets by combining transit and radial-velocity measurements. <i>Astronomy and Astrophysics</i> , 2017, 599, L7.	5.1	25
31	Radial velocity data analysis with compressed sensing techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1220-1246.	4.4	62
32	The rotation of planets hosting atmospheric tides: from Venus to habitable super-Earths. <i>Astronomy and Astrophysics</i> , 2017, 603, A108.	5.1	22
33	Is the activity level of HDâ€™80606 influenced by its eccentric planet?. <i>Astronomy and Astrophysics</i> , 2016, 592, A143.	5.1	13
34	On the rotation of co-orbital bodies in eccentric orbits. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016, 125, 223-246.	1.4	4
35	Coupled orbital and spin evolution of the CoRoT-7 two-planet system using a Maxwell viscoelastic rheology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3249-3259.	4.4	25
36	Secular and tidal evolution of circumbinary systems. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016, 126, 189-225.	1.4	29

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37	Complete spin and orbital evolution of close-in bodies using a Maxwell viscoelastic rheology. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2016, 126, 31-60.	1.4	33
38	Cassini states for black hole binaries. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 457, L49-L53.	3.3	5
39	Stellar and planetary Cassini states. <i>Astronomy and Astrophysics</i> , 2015, 582, A69.	5.1	17
40	<i>Mercury-T</i> : A new code to study tidally evolving multi-planet systems. Applications to Kepler-62. <i>Astronomy and Astrophysics</i> , 2015, 583, A116.	5.1	52
41	Spin-orbit coupling and chaotic rotation for circumbinary bodies. <i>Astronomy and Astrophysics</i> , 2015, 580, L14.	5.1	20
42	The EChO science case. <i>Experimental Astronomy</i> , 2015, 40, 329-391.	3.7	31
43	Detectability of quasi-circular co-orbital planets. Application to the radial velocity technique. <i>Astronomy and Astrophysics</i> , 2015, 581, A128.	5.1	20
44	Spin evolution of Earth-sized exoplanets, including atmospheric tides and core-mantle friction. <i>International Journal of Astrobiology</i> , 2015, 14, 233-254.	1.6	42
45	Transit light curve and inner structure of close-in planets. <i>Astronomy and Astrophysics</i> , 2014, 570, L5.	5.1	25
46	Resonance breaking due to dissipation in planar planetary systems. <i>Astronomy and Astrophysics</i> , 2014, 566, A137.	5.1	40
47	Deformation and tidal evolution of close-in planets and satellites using a Maxwell viscoelastic rheology. <i>Astronomy and Astrophysics</i> , 2014, 571, A50.	5.1	83
48	SOPHIE velocimetry of <i>Kepler</i> transit candidates. <i>Astronomy and Astrophysics</i> , 2014, 571, A37.	5.1	60
49	Tidal evolution in multiple planet systems: application to Kepler-62 and Kepler-186. <i>Proceedings of the International Astronomical Union</i> , 2014, 9, 58-61.	0.0	0
50	Spin-orbit coupling and chaotic rotation for eccentric coorbital bodies. <i>Proceedings of the International Astronomical Union</i> , 2014, 9, 190-191.	0.0	0
51	SPIN-ORBIT COUPLING AND CHAOTIC ROTATION FOR COORBITAL BODIES IN QUASI-CIRCULAR ORBITS. <i>Astrophysical Journal</i> , 2013, 779, 20.	4.5	32
52	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
53	ON THE EQUILIBRIUM FIGURE OF CLOSE-IN PLANETS AND SATELLITES. <i>Astrophysical Journal</i> , 2013, 767, 128.	4.5	56
54	PUMPING THE ECCENTRICITY OF EXOPLANETS BY TIDAL EFFECT. <i>Astrophysical Journal Letters</i> , 2012, 744, L23.	8.3	48

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55	IMPACT CRATERING ON MERCURY: CONSEQUENCES FOR THE SPIN EVOLUTION. <i>Astrophysical Journal Letters</i> , 2012, 751, L43.	8.3	39
56	Mercury's spin-orbit resonance explained by initial retrograde and subsequent synchronous rotation. <i>Nature Geoscience</i> , 2012, 5, 18-21.	12.9	56
57	Dynamical analysis and constraints for the HD 196885 system. <i>Astronomy and Astrophysics</i> , 2012, 541, A151.	5.1	17
58	Orbital migration induced by anisotropic evaporation. <i>Astronomy and Astrophysics</i> , 2012, 537, L3.	5.1	20
59	Precession due to a close binary system: an alternative explanation for $\hat{\gamma}$ -Octantis?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 3447-3456.	4.4	37
60	Searching for stable orbits in the HD 10180 planetary system. <i>EPJ Web of Conferences</i> , 2011, 11, 05001.	0.3	1
61	Stellar Wobble Due to a Nearby Binary System. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 137-138.	0.0	0
62	Tidal evolution of hierarchical and inclined systems. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2011, 111, 105-130.	1.4	110
63	On the equilibrium rotation of Hot Jupiters in eccentric and excited orbits. <i>Proceedings of the International Astronomical Union</i> , 2010, 6, 287-294.	0.0	1
64	Long-term evolution of the spin of Mercury. <i>Icarus</i> , 2010, 205, 338-355.	2.5	21
65	Dynamical stability analysis of the HD 202206 system and constraints to the planetary orbits. <i>Astronomy and Astrophysics</i> , 2010, 519, A10.	5.1	42
66	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2010, 511, A21.	5.1	119
67	Mercury's capture into the 3/2 spin-orbit resonance including the effect of core-mantle friction. <i>Icarus</i> , 2009, 201, 1-11.	2.5	77
68	SECULAR EVOLUTION OF A SATELLITE BY TIDAL EFFECT: APPLICATION TO TRITON. <i>Astrophysical Journal</i> , 2009, 704, L1-L4.	4.5	55
69	The ELODIE survey for northern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2008, 479, 271-275.	5.1	64
70	Determination of the Orbital Parameters of a System with N + 1 Bodies using a Simple Fourier Analysis of the Data. , 2008, , 207-210.		0
71	Finding Stable Fits for Extrasolar Planetary Systems. , 2008, , 267-268.		0
72	Tidal dissipation within hot Jupiters: a new appraisal. <i>Astronomy and Astrophysics</i> , 2007, 462, L5-L8.	5.1	79

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73	The HARPS search for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2007, 462, 769-776.	5.1	92
74	EVOLUTION OF THE SPIN OF MERCURY AND ITS CAPTURE INTO THE 3/2 SPIN-ORBIT RESONANCE. , 2006, , .		0
75	The core-mantle friction effect on the secular spin evolution of terrestrial planets. <i>Earth and Planetary Science Letters</i> , 2006, 252, 398-412.	4.4	46
76	An extrasolar planetary system with three Neptune-mass planets. <i>Nature</i> , 2006, 441, 305-309.	27.8	317
77	The CORALIE survey for southern extra-solar planets. <i>Astronomy and Astrophysics</i> , 2005, 440, 751-758.	5.1	122
78	A long-term numerical solution for the insolation quantities of the Earth. <i>Astronomy and Astrophysics</i> , 2004, 428, 261-285.	5.1	2,882
79	Mercury's capture into the 3/2 spin-orbit resonance as a result of its chaotic dynamics. <i>Nature</i> , 2004, 429, 848-850.	27.8	159
80	Long term evolution and chaotic diffusion of the insolation quantities of Mars. <i>Icarus</i> , 2004, 170, 343-364.	2.5	821
81	Long-term evolution of the spin of Venus. <i>Icarus</i> , 2003, 163, 1-23.	2.5	92
82	Long-term evolution of the spin of Venus. <i>Icarus</i> , 2003, 163, 24-45.	2.5	89
83	Different tidal torques on a planet with a dense atmosphere and consequences to the spin dynamics. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	35
84	The four final rotation states of Venus. <i>Nature</i> , 2001, 411, 767-770.	27.8	134