Mario J P F G Monteiro

List of Publications by Year in descending order

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122 papers	8,024 citations	57631 44 h-index	49773 87 g-index
126 all docs	126 docs citations	126 times ranked	3838 citing authors

#	Article	IF	Citations
1	The PLATO 2.0 mission. Experimental Astronomy, 2014, 38, 249-330.	1.6	912
2	Spectroscopic parameters for 451 stars in the HARPS GTO planet search program. Astronomy and Astrophysics, 2008, 487, 373-381.	2.1	455
3	Kepler Asteroseismology Program: Introduction and First Results. Publications of the Astronomical Society of the Pacific, 2010, 122, 131-143.	1.0	370
4	TESTING SCALING RELATIONS FOR SOLAR-LIKE OSCILLATIONS FROM THE MAIN SEQUENCE TO RED GIANTS USINGKEPLERDATA. Astrophysical Journal, 2011, 743, 143.	1.6	303
5	ASTEROSEISMIC FUNDAMENTAL PROPERTIES OF SOLAR-TYPE STARS OBSERVED BY THE NASA KEPLER MISSION. Astrophysical Journal, Supplement Series, 2014, 210, 1.	3.0	293
6	Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission. Science, 2011, 332, 213-216.	6.0	267
7	Preparation of Kepler light curves for asteroseismic analyses. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 414, L6-L10.	1.2	230
8	ESPRESSO at VLT. Astronomy and Astrophysics, 2021, 645, A96.	2.1	221
9	Planetary detection limits taking into account stellar noise. Astronomy and Astrophysics, 2011, 525, A140.	2.1	216
10	The Seismic Structure of the Sun. Science, 1996, 272, 1296-1300.	6.0	210
11	FUNDAMENTAL PROPERTIES OF STARS USING ASTEROSEISMOLOGY FROMKEPLERANDCoRoTAND INTERFEROMETRY FROM THE CHARA ARRAY. Astrophysical Journal, 2012, 760, 32.	1.6	206
12	CoRoT Measures Solar-Like Oscillations and Granulation in Stars Hotter Than the Sun. Science, 2008, 322, 558-560.	6.0	199
13	HYBRID Î³ DORADUS-Î´ SCUTI PULSATORS: NEW INSIGHTS INTO THE PHYSICS OF THE OSCILLATIONS FROM KEPLER OBSERVATIONS. Astrophysical Journal Letters, 2010, 713, L192-L197.	3.0	179
14	Nightside condensation of iron in an ultrahot giant exoplanet. Nature, 2020, 580, 597-601.	13.7	178
15	A UNIFORM ASTEROSEISMIC ANALYSIS OF 22 SOLAR-TYPE STARS OBSERVED BYKEPLER. Astrophysical Journal, 2012, 749, 152.	1.6	167
16	VERIFYING ASTEROSEISMICALLY DETERMINED PARAMETERS OFKEPLERSTARS USINGHIPPARCOSPARALLAXES: SELF-CONSISTENT STELLAR PROPERTIES AND DISTANCES. Astrophysical Journal, 2012, 757, 99.	1.6	151
17	RADIUS DETERMINATION OF SOLAR-TYPE STARS USING ASTEROSEISMOLOGY: WHAT TO EXPECT FROM THE KEPLER MISSION. Astrophysical Journal, 2009, 700, 1589-1602.	1.6	141
18	A PRECISE ASTEROSEISMIC AGE AND RADIUS FOR THE EVOLVED SUN-LIKE STAR KIC 11026764. Astrophysical Journal, 2010, 723, 1583-1598.	1.6	130

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19	ESPRESSO: the Echelle spectrograph for rocky exoplanets and stable spectroscopic observations. Proceedings of SPIE, 2010, , .	0.8	126
20	KEPLER-21b: A 1.6R_{Earth}PLANET TRANSITING THE BRIGHT OSCILLATING F SUBGIANT STAR HD 179070. Astrophysical Journal, 2012, 746, 123.	1.6	124
21	THE ASTEROSEISMIC POTENTIAL OF KEPLER : FIRST RESULTS FOR SOLAR-TYPE STARS. Astrophysical Journal Letters, 2010, 713, L169-L175.	3.0	122
22	PROPERTIES OF 42 SOLAR-TYPE KEPLER TARGETS FROM THE ASTEROSEISMIC MODELING PORTAL. Astrophysical Journal, Supplement Series, 2014, 214, 27.	3.0	121
23	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BYKEPLER. Astrophysical Journal, 2011, 732, 54.	1.6	118
24	EVIDENCE FOR THE IMPACT OF STELLAR ACTIVITY ON THE DETECTABILITY OF SOLAR-LIKE OSCILLATIONS OBSERVED BY KEPLER. Astrophysical Journal Letters, 2011, 732, L5.	3.0	114
25	Asteroseismology and interferometry. Astronomy and Astrophysics Review, 2007, 14, 217-360.	9.1	105
26	A more realistic representation of overshoot at the base of the solar convective envelope as seen by helioseismology. Monthly Notices of the Royal Astronomical Society, 2011, 414, 1158-1174.	1.6	102
27	Seismic study of stellar convective regions: the base of the convective envelope in low-mass stars. Monthly Notices of the Royal Astronomical Society, 2000, 316, 165-172.	1.6	93
28	Solarâ€like Oscillations in the G2 Subgiant Î² Hydri from Dualâ€Site Observations. Astrophysical Journal, 2007, 663, 1315-1324.	1.6	93
29	Revisiting Proxima with ESPRESSO. Astronomy and Astrophysics, 2020, 639, A77.	2.1	81
30	CALIBRATING CONVECTIVE PROPERTIES OF SOLAR-LIKE STARS IN THE KEPLER FIELD OF VIEW. Astrophysical Journal Letters, 2012, 755, L12.	3.0	80
31	The first view of Î´ÂScuti and Î³ÂDoradus stars with the TESS mission. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4040-4059.	1.6	78
32	The radius and mass of the close solar twin 18ÂScorpii derived from asteroseismology and interferometry. Astronomy and Astrophysics, 2011, 526, L4.	2.1	73
33	MEASUREMENT OF ACOUSTIC GLITCHES IN SOLAR-TYPE STARS FROM OSCILLATION FREQUENCIES OBSERVED BYKEPLER. Astrophysical Journal, 2014, 782, 18.	1.6	73
34	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. Astronomical Journal, 2019, 157, 245.	1.9	72
35	Asteroseismology from multi-monthKeplerphotometry: the evolved Sun-like stars KICÂ10273246 and KICÂ10920273. Astronomy and Astrophysics, 2011, 534, A6.	2.1	67
36	A large sample of calibration stars for Gaia: logâ€‰g from Kepler and CoRoT fields. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2419-2432.	1.6	64

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37	ESPRESSO high-resolution transmission spectroscopy of WASP-76 b. Astronomy and Astrophysics, 2021, 646, A158.	2.1	62
38	SOLAR-LIKE OSCILLATIONS IN KIC 11395018 AND KIC 11234888 FROM 8 MONTHS OFKEPLERDATA. Astrophysical Journal, 2011, 733, 95.	1.6	60
39	The Complementary Roles of Interferometry and Asteroseismology in Determining the Mass of Solarâ€Type Stars. Astrophysical Journal, 2007, 659, 616-625.	1.6	59
40	OBSERVATIONAL Î” Î½ â€“$ar{ho }$ RELATION FOR Î´ Sct STARS USING ECLIPSING BINARIES AND SPACE PHOTOMETRY. Astrophysical Journal Letters, 2015, 811, L29.	3.0	55
41	Seismic analysis of the second ionization region of helium in the Sun -- I. Sensitivity study and methodology. Monthly Notices of the Royal Astronomical Society, 2005, 361, 1187-1196.	1.6	53
42	Solar-like oscillations in the G8â€‰V star Ï„Ceti. Astronomy and Astrophysics, 2009, 494, 237-242.	2.1	52
43	ASTEROSEISMIC ESTIMATE OF HELIUM ABUNDANCE OF A SOLAR ANALOG BINARY SYSTEM. Astrophysical Journal, 2014, 790, 138.	1.6	51
44	Stellar chromospheric activity of 1674 FGK stars from the AMBRE-HARPS sample. Astronomy and Astrophysics, 2021, 646, A77.	2.1	47
45	ASTEROSEISMIC DIAGRAMS FROM A SURVEY OF SOLAR-LIKE OSCILLATIONS WITH KEPLER. Astrophysical Journal Letters, 2011, 742, L3.	3.0	45
46	Rotation and pulsation in Ap stars: first light results from TESS sectors 1 and 2. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3523-3549.	1.6	44
47	The CoRoT evolution and seismic tools activity. Astrophysics and Space Science, 2008, 316, 1-12.	0.5	43
48	A precise architecture characterization of theÏ€Mensae planetary system. Astronomy and Astrophysics, 2020, 642, A31.	2.1	43
49	CONSTRUCTING A ONE-SOLAR-MASS EVOLUTIONARY SEQUENCE USING ASTEROSEISMIC DATA FROM KEPLER. Astrophysical Journal Letters, 2011, 740, L2.	3.0	37
50	Atmospheric parameters and pulsational properties for a sample of Î´â€ƒSct, Î³â€ƒDor and hybrid Kepler targetsâ˜… Monthly Notices of the Royal Astronomical Society, 2011, 411, 1167-1176.	1.6	37
51	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. Astrophysical Journal Letters, 2020, 889, L34.	3.0	37
52	Inter-comparison of the g-, f- and p-modes calculated using different oscillation codes for a given stellar model. Astrophysics and Space Science, 2008, 316, 231-249.	0.5	36
53	Fundamental properties of fiveKeplerstars using global asteroseismic quantities and ground-based observations. Astronomy and Astrophysics, 2012, 537, A111.	2.1	34
54	EELT-HIRES the high-resolution spectrograph for the E-ELT. Proceedings of SPIE, 2016, , .	0.8	34

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55	Asteroseismic modelling of solar-type stars: internal systematics from input physics and surface correction methods. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5052-5063.	1.6	34
56	HR diagram and asteroseismic analysis of models forÎ²ÂHydri. Astronomy and Astrophysics, 2003, 399, 243-251.	2.1	31
57	First asteroseismic results from CoRoT. Communications in Asteroseismology, 0, 156, 73-88.	0.0	31
58	Precise surface gravities of Î´ Scuti stars from asteroseismology. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 471, L140-L144.	1.2	30
59	Seismic tests of the structure of rapidly oscillating Ap stars: HR 1217. Monthly Notices of the Royal Astronomical Society, 2003, 343, 831-838.	1.6	28
60	TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949. Astrophysical Journal, 2019, 885, 31.	1.6	28
61	A multisite photometric campaign on the pre-main-sequenceÎ´ÂScuti pulsator IPÂPersei. Astronomy and Astrophysics, 2006, 449, 335-343.	2.1	25
62	Interferometry and asteroseismology: The radius of Ï„ÂCet. Astronomy and Astrophysics, 2003, 406, L15-L18.	2.1	24
63	Grids of stellar evolution models for asteroseismology (cesamÂ+Âposc). Astrophysics and Space Science, 2008, 316, 173-178.	0.5	23
64	Estimating the p-mode frequencies of the solar twin 18 Scorpii. Astronomy and Astrophysics, 2012, 544, A106.	2.1	23
65	CHARACTERIZING TWO SOLAR-TYPEKEPLERSUBGIANTS WITH ASTEROSEISMOLOGY: KIC 10920273 AND KIC 11395018. Astrophysical Journal, 2013, 763, 49.	1.6	22
66	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of Ï€ Men c. Astronomical Journal, 2022, 163, 79.	1.9	22
67	On the Seismic Signature of the HeII Ionization Zone in Stellar Envelopes. , 1998, , 317-318.		21
68	Fundamental physics with ESPRESSO: Towards an accurate wavelength calibration for a precision test of the fine-structure constant. Astronomy and Astrophysics, 2021, 646, A144.	2.1	18
69	Multisite observations of the PMSÂÎ´Scuti star V351ÂOri. Astronomy and Astrophysics, 2003, 408, 1047-1055.	2.1	18
70	Characterization of the K2-38 planetary system. Astronomy and Astrophysics, 2020, 641, A92.	2.1	17
71	The role of the time step and overshooting in the modelling of PMS evolution: The case of EK Cephei. Astronomy and Astrophysics, 2004, 422, 239-245.	2.1	16
72	THE SPACEINNâ€“SISMA DATABASE: CHARACTERIZATION OF A LARGE SAMPLE OF VARIABLE AND ACTIVE STARS BY MEANS OF HARPS SPECTRA. Astronomical Journal, 2016, 152, 207.	1.9	15

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73	A theoretical approach for the interpretation of pulsating PMS intermediate-mass stars. Astronomy and Astrophysics, 2007, 466, 261-268.	2.1	14
74	Kepler observations: Light shed on the hybrid Î³ Doradus â€“ Î´ Scuti pulsation phenomenon. Astronomische Nachrichten, 2010, 331, 989-992.	0.6	14
75	Acoustic glitches in solarâ€type stars from Kepler. Astronomische Nachrichten, 2012, 333, 1040-1043.	0.6	14
76	Asteroseismic modelling of solar-type stars: a deeper look at the treatment of initial helium abundance. Monthly Notices of the Royal Astronomical Society, 2020, 500, 54-65.	1.6	14
77	Oscillations in the PMS Î´ Scuti star V346ÂOri. Astronomy and Astrophysics, 2003, 399, 271-274.	2.1	13
78	Towards an effective asteroseismology of solar-like stars: time-dependent convection effects on pulsation frequencies. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 422, L43-L47.	1.2	13
79	Photometric variability of massive young stellar objects. Astronomy and Astrophysics, 2018, 619, A41.	2.1	13
80	PLATO hare-and-hounds exercise: asteroseismic model fitting of main-sequence solar-like pulsators. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5864-5885.	1.6	13
81	Stellar test of the physics of unification. Physical Review D, 2012, 86, .	1.6	11
82	Porto Oscillation Code (posc). Astrophysics and Space Science, 2008, 316, 121-127.	0.5	10
83	Discovery ofÎ´Scuti pulsation in the Herbig Ae star VV Serpentis. Astronomy and Astrophysics, 2007, 462, 1023-1030.	2.1	9
84	Multi-site photometry of the pulsating Herbig Ae star V346 Ori. Astronomy and Astrophysics, 2009, 501, 279-289.	2.1	8
85	Asteroseismology of solarâ€type stars with Kepler I: Data analysis. Astronomische Nachrichten, 2010, 331, 972-976.	0.6	8
86	On the mass estimation for FGK stars: comparison of several methods. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2223-2231.	1.6	8
87	Î± Centauri A as a potential stellar model calibrator: establishing the nature of its core. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 479, L55-L59.	1.2	8
88	NewT_{eff}and [Fe/H] spectroscopic calibration for FGK dwarfs and GK giants. Astronomy and Astrophysics, 2016, 595, A15.	2.1	8
89	Î´ Scuti stars in Praesepe. Astronomy and Astrophysics, 2001, 376, 175-187.	2.1	7
90	On the effect of overshooting as predicted by the modelling of the pre-main-sequence evolution of a 2â€ƒMâŠ™ star. Monthly Notices of the Royal Astronomical Society, 2006, 371, 293-302.	1.6	6

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91	Asteroseismology Across the HR Diagram. , 2008, , 155-160.		6
92	AsteroFLAG â€" from the Sun to the stars. Journal of Physics: Conference Series, 2008, 118, 012048.	0.3	4
93	On the Nature of the Core of Î± Centauri A: The Impact of the Metallicity Mixture. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	4
94	Seismic Detection of Boundaries of Stellar Convective Regions. , 1998, , 315-316.		4
95	Microscopic Diffusion in Stellar Evolution Codes: First Comparisons Results of ESTA-TaskÂ3. EAS Publications Series, 2007, 26, 155-165.	0.3	4
96	The PMS Î´ Scuti star PDS2. Astrophysics and Space Science, 2010, 328, 109-111.	0.5	3
97	Asteroseismology of solarâ€type stars with Kepler: II. Stellar modeling. Astronomische Nachrichten, 2010, 331, 977-980.	0.6	3
98	On the stellar core physics of the 16 Cyg binary system: constraining the central hydrogen abundance using asteroseismology. Monthly Notices of the Royal Astronomical Society, 2022, 514, 893-905.	1.6	3
99	Detection of the Lower Boundary of Stellar Convective Envelopes from Seismic Data. Astrophysics and Space Science, 1998, 261, 41-42.	0.5	2
100	Patterns, an efficient way to analyse the p-mode content in rapidly rotating stars. EPJ Web of Conferences, 2015, 101, 06026.	0.1	2
101	Asteroseismic modelling of the Binary HD 176465. EPJ Web of Conferences, 2017, 160, 05010.	0.1	2
102	Current issues in asteroseismology. Journal of Physics: Conference Series, 2008, 118, 012008.	0.3	1
103	SIGS - Seismic Inferences for Glitches in Stars. EPJ Web of Conferences, 2017, 160, 01015.	0.1	1
104	A new spectroscopic calibration to determineTeffand [Fe/H] of FGK dwarfs and giants. EPJ Web of Conferences, 2017, 160, 01013.	0.1	1
105	Successful Asteroseismology for a Better Characterization of the Exoplanet HAT-P-7b. Thirty Years of Astronomical Discovery With UKIRT, 2013, , 227-230.	0.3	1
106	PORTO PLANETARIUM â€" CIÃŠNCIA VIVA CENTER: FROM A DISSEMINATION PROGRAM TO AN EDUCATIONAL PROGRAM. , 2019, , .		1
107	Spectroscopic parameters for 451 stars in the HARPS GTO planet search program: Stellar [Feâ^•H] and the frequency of exo-Neptunes. , 2009, , .		0
108	Four years of HELAS. Astronomische Nachrichten, 2010, 331, 1084-1089.	0.6	0

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109	On the possibility of using seismic probes to study the core composition in pulsating white dwarfs. Astronomische Nachrichten, 2012, 333, 954-957.	0.6	0
110	Asteroseismic estimate of helium abundance of 16 Cyg A, B. EPJ Web of Conferences, 2015, 101, 06066.	0.1	0
111	Tests of parametric models for convection. EPJ Web of Conferences, 2015, 101, 06003.	0.1	0
112	Stellar Structure and Evolution With Varying Fundamental Couplings. Journal of Physics: Conference Series, 2016, 665, 012082.	0.3	0
113	Accurate and loggof Î´ Sct stars using Asteroseismology. EPJ Web of Conferences, 2017, 160, 03003.	0.1	0
114	Chronos - take the pulse of our galactic neighbourhood. Experimental Astronomy, 2021, 51, 945.	1.6	0
115	COASTRO: @N ASTRONOMY CONDO â€“ TEACHERSâ€™ ATTITUDES AND EPISTEMOLOGICAL BELIEFS TOWARDS SCIENCE IN A CITIZEN SCIENCE PROJECT. Advances in Education and Educational Trends, 2021, , 66-75.	0.1	0
116	A theoretical scenario for PMS Î´ Scuti stars. Communications in Asteroseismology, 0, 150, 73-74.	0.0	0
117	Detection of The Lower Boundary of Stellar Convective Envelopes from Seismic Data. , 1999, , 41-42.		0
118	COASTRO: @N ASTRONOMY CONDO â€“ TEACHERSÂ´ ATTITUDES AND EPISTEMOLOGICAL BELIEFS TOWARDS SCIENCE IN A CITIZEN SCIENCE PROJECT. , 2020, , .		0
119	COASTRO: @N ASTRONOMY CONDO â€“ DEVELOPMENT OF TEACHERS' KNOWLEDGE OF ASTRONOMY THROUGH A CITIZEN SCIENCE PROJECT. INTED Proceedings, 2020, , .	0.0	0
120	Porto Oscillation Code (posc). , 0, , 121-127.		0
121	Grids of stellar evolution models for asteroseismology (cesamÂ+Âposc). , 0, , 173-178.		0
122	Spectroscopic Parameters for a Sample of Metal-rich Solar-type Stars. , 2008, , 319-320.		0