

Mario J P F G Monteiro

List of Publications by Year in descending order

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122
papers

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57719

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3838
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#	ARTICLE	IF	CITATIONS
1	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of ϵ Men c. <i>Astronomical Journal</i> , 2022, 163, 79.	1.9	22
2	On the stellar core physics of the 16 Cyg binary system: constraining the central hydrogen abundance using asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 893-905.	1.6	3
3	ESPRESSO at VLT. <i>Astronomy and Astrophysics</i> , 2021, 645, A96.	2.1	221
4	ESPRESSO high-resolution transmission spectroscopy of WASP-76 b. <i>Astronomy and Astrophysics</i> , 2021, 646, A158.	2.1	62
5	Fundamental physics with ESPRESSO: Towards an accurate wavelength calibration for a precision test of the fine-structure constant. <i>Astronomy and Astrophysics</i> , 2021, 646, A144.	2.1	18
6	Stellar chromospheric activity of 1674 FGK stars from the AMBRE-HARPS sample. <i>Astronomy and Astrophysics</i> , 2021, 646, A77.	2.1	47
7	Chronos - take the pulse of our galactic neighbourhood. <i>Experimental Astronomy</i> , 2021, 51, 945.	1.6	0
8	COASTRO: @N ASTRONOMY CONDO "TEACHERS" ATTITUDES AND EPISTEMOLOGICAL BELIEFS TOWARDS SCIENCE IN A CITIZEN SCIENCE PROJECT. <i>Advances in Education and Educational Trends</i> , 2021, , 66-75.	0.1	0
9	PLATO hare-and-hounds exercise: asteroseismic model fitting of main-sequence solar-like pulsators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5864-5885.	1.6	13
10	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. <i>Astrophysical Journal Letters</i> , 2020, 889, L34.	3.0	37
11	Nightside condensation of iron in an ultrahot giant exoplanet. <i>Nature</i> , 2020, 580, 597-601.	13.7	178
12	Revisiting Proxima with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 639, A77.	2.1	81
13	Characterization of the K2-38 planetary system. <i>Astronomy and Astrophysics</i> , 2020, 641, A92.	2.1	17
14	A precise architecture characterization of the ϵ Mensae planetary system. <i>Astronomy and Astrophysics</i> , 2020, 642, A31.	2.1	43
15	Asteroseismic modelling of solar-type stars: a deeper look at the treatment of initial helium abundance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 54-65.	1.6	14
16	COASTRO: @N ASTRONOMY CONDO "TEACHERS" ATTITUDES AND EPISTEMOLOGICAL BELIEFS TOWARDS SCIENCE IN A CITIZEN SCIENCE PROJECT. , 2020, , .		0
17	COASTRO: @N ASTRONOMY CONDO "DEVELOPMENT OF TEACHERS' KNOWLEDGE OF ASTRONOMY THROUGH A CITIZEN SCIENCE PROJECT. <i>INTED Proceedings</i> , 2020, , .	0.0	0
18	Rotation and pulsation in Ap stars: first light results from TESS sectors 1 and 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 3523-3549.	1.6	44

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19	The first view of $\hat{\gamma}$ Scuti and $\hat{\beta}$ Doradus stars with the TESS mission. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4040-4059.	1.6	78
20	TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949. Astrophysical Journal, 2019, 885, 31.	1.6	28
21	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. Astronomical Journal, 2019, 157, 245.	1.9	72
22	On the Nature of the Core of $\hat{\alpha}$ Centauri A: The Impact of the Metallicity Mixture. Frontiers in Astronomy and Space Sciences, 2019, 6, .	1.1	4
23	PORTO PLANETARIUM “ CIÊNCIA VIVA CENTER: FROM A DISSEMINATION PROGRAM TO AN EDUCATIONAL PROGRAM. , 2019, , .		1
24	Photometric variability of massive young stellar objects. Astronomy and Astrophysics, 2018, 619, A41.	2.1	13
25	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
26	$\hat{\alpha}$ 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
27	Precise surface gravities of $\hat{\gamma}$ Scuti stars from asteroseismology. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 471, L140-L144.	1.2	30
28	Asteroseismic modelling of the Binary HD 176465. EPJ Web of Conferences, 2017, 160, 05010.	0.1	2
29	Accurate and logg of $\hat{\gamma}$ Sct stars using Asteroseismology. EPJ Web of Conferences, 2017, 160, 03003.	0.1	0
30	SIGS - Seismic Inferences for Glitches in Stars. EPJ Web of Conferences, 2017, 160, 01015.	0.1	1
31	A new spectroscopic calibration to determine T_{eff} and $[\text{Fe}/\text{H}]$ of FGK dwarfs and giants. EPJ Web of Conferences, 2017, 160, 01013.	0.1	1
32	Stellar Structure and Evolution With Varying Fundamental Couplings. Journal of Physics: Conference Series, 2016, 665, 012082.	0.3	0
33	THE SPACEIN “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
34	EELT-HIRES the high-resolution spectrograph for the E-ELT. Proceedings of SPIE, 2016, , .	0.8	34
35	New T_{eff} and $[\text{Fe}/\text{H}]$ spectroscopic calibration for FGK dwarfs and GK giants. Astronomy and Astrophysics, 2016, 595, A15.	2.1	8
36	Asteroseismic estimate of helium abundance of 16 Cyg A, B. EPJ Web of Conferences, 2015, 101, 06066.	0.1	0

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37	Tests of parametric models for convection. EPJ Web of Conferences, 2015, 101, 06003.	0.1	0
38	Patterns, an efficient way to analyse the p-mode content in rapidly rotating stars. EPJ Web of Conferences, 2015, 101, 06026.	0.1	2
39	OBSERVATIONAL ν - ν RELATION FOR Sct STARS USING ECLIPSING BINARIES AND SPACE PHOTOMETRY. Astrophysical Journal Letters, 2015, 811, L29.	3.0	55
40	PROPERTIES OF 42 SOLAR-TYPE KEPLER TARGETS FROM THE ASTEROSEISMIC MODELING PORTAL. Astrophysical Journal, Supplement Series, 2014, 214, 27.	3.0	121
41	The PLATO 2.0 mission. Experimental Astronomy, 2014, 38, 249-330.	1.6	912
42	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
43	ASTEROSEISMIC FUNDAMENTAL PROPERTIES OF SOLAR-TYPE STARS OBSERVED BY THE NASA KEPLER MISSION. Astrophysical Journal, Supplement Series, 2014, 210, 1.	3.0	293
44	ASTEROSEISMIC ESTIMATE OF HELIUM ABUNDANCE OF A SOLAR ANALOG BINARY SYSTEM. Astrophysical Journal, 2014, 790, 138.	1.6	51
45	MEASUREMENT OF ACOUSTIC GLITCHES IN SOLAR-TYPE STARS FROM OSCILLATION FREQUENCIES OBSERVED BY KEPLER. Astrophysical Journal, 2014, 782, 18.	1.6	73
46	A large sample of calibration stars for Gaia: $\log g$ from Kepler and CoRoT fields. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2419-2432.	1.6	64
47	CHARACTERIZING TWO SOLAR-TYPE KEPLER SUBGIANTS WITH ASTEROSEISMOLOGY: KIC 10920273 AND KIC 11395018. Astrophysical Journal, 2013, 763, 49.	1.6	22
48	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
49	Stellar test of the physics of unification. Physical Review D, 2012, 86, .	1.6	11
50	VERIFYING ASTEROSEISMICALLY DETERMINED PARAMETERS OF KEPLER STARS USING HIPPARCOS PARALLAXES: SELF-CONSISTENT STELLAR PROPERTIES AND DISTANCES. Astrophysical Journal, 2012, 757, 99.	1.6	151
51	FUNDAMENTAL PROPERTIES OF STARS USING ASTEROSEISMOLOGY FROM KEPLER AND CoRoT AND INTERFEROMETRY FROM THE CHARA ARRAY. Astrophysical Journal, 2012, 760, 32.	1.6	206
52	A UNIFORM ASTEROSEISMIC ANALYSIS OF 22 SOLAR-TYPE STARS OBSERVED BY KEPLER. Astrophysical Journal, 2012, 749, 152.	1.6	167
53	Fundamental properties of five Kepler stars using global asteroseismic quantities and ground-based observations. Astronomy and Astrophysics, 2012, 537, A111.	2.1	34
54	KEPLER-21b: A 1.6 Earth PLANET TRANSITING THE BRIGHT OSCILLATING F SUBGIANT STAR HD 179070. Astrophysical Journal, 2012, 746, 123.	1.6	124

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55	Acoustic glitches in solar-type stars from <i>Kepler</i> . <i>Astronomische Nachrichten</i> , 2012, 333, 1040-1043.	0.6	14
56	On the possibility of using seismic probes to study the core composition in pulsating white dwarfs. <i>Astronomische Nachrichten</i> , 2012, 333, 954-957.	0.6	0
57	Estimating the p-mode frequencies of the solar twin 18 Scorpii. <i>Astronomy and Astrophysics</i> , 2012, 544, A106.	2.1	23
58	CALIBRATING CONVECTIVE PROPERTIES OF SOLAR-LIKE STARS IN THE <i>KEPLER</i> FIELD OF VIEW. <i>Astrophysical Journal Letters</i> , 2012, 755, L12.	3.0	80
59	Towards an effective asteroseismology of solar-like stars: time-dependent convection effects on pulsation frequencies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 422, L43-L47.	1.2	13
60	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2011, 732, 54.	1.6	118
61	TESTING SCALING RELATIONS FOR SOLAR-LIKE OSCILLATIONS FROM THE MAIN SEQUENCE TO RED GIANTS USING <i>KEPLER</i> DATA. <i>Astrophysical Journal</i> , 2011, 743, 143.	1.6	303
62	CONSTRUCTING A ONE-SOLAR-MASS EVOLUTIONARY SEQUENCE USING ASTEROSEISMIC DATA FROM <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2011, 740, L2.	3.0	37
63	SOLAR-LIKE OSCILLATIONS IN KIC 11395018 AND KIC 11234888 FROM 8 MONTHS OF <i>KEPLER</i> DATA. <i>Astrophysical Journal</i> , 2011, 733, 95.	1.6	60
64	ASTEROSEISMIC DIAGRAMS FROM A SURVEY OF SOLAR-LIKE OSCILLATIONS WITH <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2011, 742, L3.	3.0	45
65	EVIDENCE FOR THE IMPACT OF STELLAR ACTIVITY ON THE DETECTABILITY OF SOLAR-LIKE OSCILLATIONS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2011, 732, L5.	3.0	114
66	The radius and mass of the close solar twin 18 Scorpii derived from asteroseismology and interferometry. <i>Astronomy and Astrophysics</i> , 2011, 526, L4.	2.1	73
67	Asteroseismology from multi-month <i>Kepler</i> photometry: the evolved Sun-like stars KIC 10273246 and KIC 10920273. <i>Astronomy and Astrophysics</i> , 2011, 534, A6.	2.1	67
68	Atmospheric parameters and pulsational properties for a sample of δ Sct, δ Dor and hybrid Kepler targets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1167-1176.	1.6	37
69	A more realistic representation of overshoot at the base of the solar convective envelope as seen by helioseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 1158-1174.	1.6	102
70	Preparation of <i>Kepler</i> light curves for asteroseismic analyses. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 414, L6-L10.	1.2	230
71	Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission. <i>Science</i> , 2011, 332, 213-216.	6.0	267
72	Planetary detection limits taking into account stellar noise. <i>Astronomy and Astrophysics</i> , 2011, 525, A140.	2.1	216

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73	ESPRESSO: the Echelle spectrograph for rocky exoplanets and stable spectroscopic observations. Proceedings of SPIE, 2010, , .	0.8	126
74	THE ASTEROSEISMIC POTENTIAL OF <i>KEPLER</i> : FIRST RESULTS FOR SOLAR-TYPE STARS. Astrophysical Journal Letters, 2010, 713, L169-L175.	3.0	122
75	A PRECISE ASTEROSEISMIC AGE AND RADIUS FOR THE EVOLVED SUN-LIKE STAR KIC 11026764. Astrophysical Journal, 2010, 723, 1583-1598.	1.6	130
76	HYBRID $\hat{\nu}$ DORADUS- $\hat{\nu}$ SCUTI PULSATORS: NEW INSIGHTS INTO THE PHYSICS OF THE OSCILLATIONS FROM <i>KEPLER</i> OBSERVATIONS. Astrophysical Journal Letters, 2010, 713, L192-L197.	3.0	179
77	The PMS $\hat{\nu}$ Scuti star PDS2. Astrophysics and Space Science, 2010, 328, 109-111.	0.5	3
78	Asteroseismology of solar-type stars with Kepler I: Data analysis. Astronomische Nachrichten, 2010, 331, 972-976.	0.6	8
79	Asteroseismology of solar-type stars with Kepler: II. Stellar modeling. Astronomische Nachrichten, 2010, 331, 977-980.	0.6	3
80	Kepler observations: Light shed on the hybrid <i> $\hat{\nu}$ </i> Doradus $\hat{\nu}$ <i> $\hat{\nu}$ </i> Scuti pulsation phenomenon. Astronomische Nachrichten, 2010, 331, 989-992.	0.6	14
81	Four years of HELAS. Astronomische Nachrichten, 2010, 331, 1084-1089.	0.6	0
82	Kepler Asteroseismology Program: Introduction and First Results. Publications of the Astronomical Society of the Pacific, 2010, 122, 131-143.	1.0	370
83	RADIUS DETERMINATION OF SOLAR-TYPE STARS USING ASTEROSEISMOLOGY: WHAT TO EXPECT FROM THE KEPLER MISSION. Astrophysical Journal, 2009, 700, 1589-1602.	1.6	141
84	Solar-like oscillations in the G8 $\hat{\nu}$ V star <i> $\hat{\nu}$ </i>Ceti. Astronomy and Astrophysics, 2009, 494, 237-242.	2.1	52
85	Multi-site photometry of the pulsating Herbig Ae star V346 Ori. Astronomy and Astrophysics, 2009, 501, 279-289.	2.1	8
86	Spectroscopic parameters for 451 stars in the HARPS GTO planet search program: Stellar [Fe $\hat{\nu}$ H] and the frequency of exo-Neptunes. , 2009, , .		0
87	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
88	The CoRoT evolution and seismic tools activity. Astrophysics and Space Science, 2008, 316, 1-12.	0.5	43
89	Grids of stellar evolution models for asteroseismology (cesam $\hat{\nu}$ posc). Astrophysics and Space Science, 2008, 316, 173-178.	0.5	23
90	Porto Oscillation Code (posc). Astrophysics and Space Science, 2008, 316, 121-127.	0.5	10

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91	CoRoT Measures Solar-Like Oscillations and Granulation in Stars Hotter Than the Sun. <i>Science</i> , 2008, 322, 558-560.	6.0	199
92	Current issues in asteroseismology. <i>Journal of Physics: Conference Series</i> , 2008, 118, 012008.	0.3	1
93	Spectroscopic parameters for 451 stars in the HARPS GTO planet search program. <i>Astronomy and Astrophysics</i> , 2008, 487, 373-381.	2.1	455
94	AstroFLAG " from the Sun to the stars. <i>Journal of Physics: Conference Series</i> , 2008, 118, 012048.	0.3	4
95	Asteroseismology Across the HR Diagram. , 2008, , 155-160.		6
96	Spectroscopic Parameters for a Sample of Metal-rich Solar-type Stars. , 2008, , 319-320.		0
97	The Complementary Roles of Interferometry and Asteroseismology in Determining the Mass of Solar-type Stars. <i>Astrophysical Journal</i> , 2007, 659, 616-625.	1.6	59
98	A theoretical approach for the interpretation of pulsating PMS intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2007, 466, 261-268.	2.1	14
99	Asteroseismology and interferometry. <i>Astronomy and Astrophysics Review</i> , 2007, 14, 217-360.	9.1	105
100	Discovery of Scuti pulsation in the Herbig Ae star VV Serpentis. <i>Astronomy and Astrophysics</i> , 2007, 462, 1023-1030.	2.1	9
101	Microscopic Diffusion in Stellar Evolution Codes: First Comparisons Results of ESTA-Task3. <i>EAS Publications Series</i> , 2007, 26, 155-165.	0.3	4
102	Solar-like Oscillations in the G2 Subgiant η^2 Hydri from Dual-site Observations. <i>Astrophysical Journal</i> , 2007, 663, 1315-1324.	1.6	93
103	A multisite photometric campaign on the pre-main-sequence Scuti pulsator IP Persei. <i>Astronomy and Astrophysics</i> , 2006, 449, 335-343.	2.1	25
104	On the effect of overshooting as predicted by the modelling of the pre-main-sequence evolution of a τ star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 293-302.	1.6	6
105	Seismic analysis of the second ionization region of helium in the Sun -- I. Sensitivity study and methodology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 1187-1196.	1.6	53
106	The role of the time step and overshooting in the modelling of PMS evolution: The case of EK Cephei. <i>Astronomy and Astrophysics</i> , 2004, 422, 239-245.	2.1	16
107	Seismic tests of the structure of rapidly oscillating Ap stars: HR 1217. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 343, 831-838.	1.6	28
108	Oscillations in the PMS Scuti star V346 Ori. <i>Astronomy and Astrophysics</i> , 2003, 399, 271-274.	2.1	13

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109	HR diagram and asteroseismic analysis of models for ϵ Hydri. <i>Astronomy and Astrophysics</i> , 2003, 399, 243-251.	2.1	31
110	Interferometry and asteroseismology: The radius of ϵ Cet. <i>Astronomy and Astrophysics</i> , 2003, 406, L15-L18.	2.1	24
111	Multisite observations of the PMS ϵ Scuti star V351 Ori. <i>Astronomy and Astrophysics</i> , 2003, 408, 1047-1055.	2.1	18
112	ϵ Scuti stars in Praesepe. <i>Astronomy and Astrophysics</i> , 2001, 376, 175-187.	2.1	7
113	Seismic study of stellar convective regions: the base of the convective envelope in low-mass stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 316, 165-172.	1.6	93
114	Detection of The Lower Boundary of Stellar Convective Envelopes from Seismic Data. , 1999, , 41-42.		0
115	Detection of the Lower Boundary of Stellar Convective Envelopes from Seismic Data. <i>Astrophysics and Space Science</i> , 1998, 261, 41-42.	0.5	2
116	Seismic Detection of Boundaries of Stellar Convective Regions. , 1998, , 315-316.		4
117	On the Seismic Signature of the Helium Ionization Zone in Stellar Envelopes. , 1998, , 317-318.		21
118	The Seismic Structure of the Sun. <i>Science</i> , 1996, 272, 1296-1300.	6.0	210
119	First asteroseismic results from CoRoT. <i>Communications in Asteroseismology</i> , 0, 156, 73-88.	0.0	31
120	A theoretical scenario for PMS ϵ Scuti stars. <i>Communications in Asteroseismology</i> , 0, 150, 73-74.	0.0	0
121	Porto Oscillation Code (posc). , 0, , 121-127.		0
122	Grids of stellar evolution models for asteroseismology (cesam+posc). , 0, , 173-178.		0