

Andres Moya

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

3,481
citations

147801

31
h-index

149698

56
g-index

98
all docs

98
docs citations

98
times ranked

2432
citing authors

#	ARTICLE	IF	CITATIONS
1	Stellar dating using chemical clocks and Bayesian inference. <i>Astronomy and Astrophysics</i> , 2022, 660, A15.	5.1	4
2	Internal structures and magnetic moments of rocky planets. <i>Astronomy and Astrophysics</i> , 2022, 661, A101.	5.1	1
3	PBJam: A Python Package for Automating Asteroseismology of Solar-like Oscillators*. <i>Astronomical Journal</i> , 2021, 161, 62.	4.7	16
4	Weighing stars from birth to death: mass determination methods across the HRD. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1.	25.5	38
5	A fuzzy Multi-Criteria Decision Making approach for Exo-Planetary Habitability. <i>Astronomy and Computing</i> , 2021, 36, 100471.	1.7	4
6	Analysis of the gut microbiota in alopecia areata: identification of bacterial biomarkers. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020, 34, 400-405.	2.4	68
7	Unveiling the power spectra of δ Scuti stars with TESS. <i>Astronomy and Astrophysics</i> , 2020, 638, A59.	5.1	18
8	Theoretical Stark Broadening Parameters for UV λ Blue Spectral Lines of Neutral Vanadium in the Solar and Metal-Poor Star HD 84937 Spectra. <i>Atoms</i> , 2020, 8, 64.	1.6	7
9	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star γ Indi. <i>Nature Astronomy</i> , 2020, 4, 382-389.	10.1	46
10	The Far Ultraviolet Variability of 29 Cygni. <i>Research Notes of the AAS</i> , 2020, 4, 26.	0.7	0
11	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. <i>Science</i> , 2019, 365, 1441-1445.	12.6	78
12	Abundance to age ratios in the HARPS-GTO sample with <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2019, 624, A78.	5.1	92
13	Erosion of an exoplanetary atmosphere caused by stellar winds. <i>Astronomy and Astrophysics</i> , 2019, 630, A52.	5.1	15
14	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, A117.	5.1	103
15	Asteroseismic potential of CHEOPS. <i>Astronomy and Astrophysics</i> , 2018, 620, A203.	5.1	13
16	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, L5.	5.1	46
17	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 612, A49.	5.1	173
18	Impact of gaps in the asteroseismic characterization of pulsating stars. <i>Astronomy and Astrophysics</i> , 2018, 614, A40.	5.1	9

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19	Empirical Relations for the Accurate Estimation of Stellar Masses and Radii. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 21.	7.7	22
20	CARMENES: high-resolution spectra and precise radial velocities in the red and infrared. , 2018, , .		37
21	Statistical-likelihood Exo-Planetary Habitability Index (SEPHI). <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4628-4636.	4.4	30
22	Semi-empirical seismic relations of A-F stars from COROT and Kepler legacy data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2491-2497.	4.4	34
23	Precise surface gravities of δ Scuti stars from asteroseismology. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 471, L140-L144.	3.3	30
24	Accurate and logg of δ Sct stars using Asteroseismology. <i>EPJ Web of Conferences</i> , 2017, 160, 03003.	0.3	0
25	OMC/INTEGRAL photometric observations of pulsating components in eclipsing binaries and characterization of DY Aqr. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 3022-3032.	4.4	9
26	CARMENES instrument overview. <i>Proceedings of SPIE</i> , 2014, , .	0.8	132
27	The theoretical instability strip of M dwarf stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2371-2379.	4.4	15
28	Kepler-91b: a planet at the end of its life. <i>Astronomy and Astrophysics</i> , 2014, 562, A109.	5.1	101
29	Measuring mean densities of δ Scuti stars with asteroseismology. <i>Astronomy and Astrophysics</i> , 2014, 563, A7.	5.1	48
30	An in-depth study of HD 174966 with CoRoT photometry and HARPS spectroscopy. <i>Astronomy and Astrophysics</i> , 2013, 559, A63.	5.1	48
31	Theoretical properties of regularities in the oscillation spectra of A-F main-sequence stars. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 89-92.	0.0	1
32	Pulsating stars harbouring planets. <i>EPJ Web of Conferences</i> , 2013, 47, 09005.	0.3	1
33	CoRoT 102749568: mode identification in a δ Scuti star based on regular spacings. <i>Astronomy and Astrophysics</i> , 2013, 557, A27.	5.1	12
34	Seismic diagnostics for transport of angular momentum in stars. <i>Astronomy and Astrophysics</i> , 2013, 549, A74.	5.1	204
35	Pulsating Stars Harbouring Planets. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2013, , 221-226.	0.3	0
36	ASTEROSEISMOLOGY OF THE NEARBY SN-II PROGENITOR: RIGEL. I. THE MOST HIGH-PRECISION PHOTOMETRY AND RADIAL VELOCITY MONITORING. <i>Astrophysical Journal</i> , 2012, 747, 108.	4.5	20

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37	CARMENES. I: instrument and survey overview. Proceedings of SPIE, 2012, , .	0.8	43
38	Pulsation spectrum of γ Scuti stars: the binary HD 50870 as seen with CoRoT and HARPS. Astronomy and Astrophysics, 2012, 542, A24.	5.1	32
39	Kepler observations of the high-amplitude γ Scuti star V2367 Cyg. Monthly Notices of the Royal Astronomical Society, 2012, 419, 3028-3038.	4.4	37
40	Pulsations in M dwarf stars. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 419, L44-L48.	3.3	21
41	ASTEROSEISMOLOGY OF THE NEARBY SN II PROGENITOR RIGEL. II. μ -MECHANISM TRIGGERING GRAVITY-MODE PULSATIONS?. Astrophysical Journal, 2012, 749, 74.	4.5	26
42	New insights on the solar core. Journal of Physics: Conference Series, 2011, 271, 012046.	0.4	16
43	Monitoring a high-amplitude γ Scuti star for 152 days: discovery of 12 additional modes and modulation effects in the light curve of CoRoT 101155310. Astronomy and Astrophysics, 2011, 528, A147.	5.1	37
44	Sensitivity of the Calculated g-Mode Frequencies to Pulsation Codes and their Parameters. Solar Physics, 2011, 268, 245-254.	2.5	0
45	The excitation of solar-like oscillations in a γ Sct star by efficient envelope convection. Nature, 2011, 477, 570-573.	27.8	47
46	High spatial resolution imaging of the star with a transiting planet WASP-33. Astronomy and Astrophysics, 2011, 535, A110.	5.1	15
47	The Kepler characterization of the variability among A- and F-type stars. Astronomy and Astrophysics, 2011, 534, A125.	5.1	263
48	THE ASTEROSEISMIC POTENTIAL OF KEPLER : FIRST RESULTS FOR SOLAR-TYPE STARS. Astrophysical Journal Letters, 2010, 713, L169-L175.	8.3	122
49	A PRECISE ASTEROSEISMIC AGE AND RADIUS FOR THE EVOLVED SUN-LIKE STAR KIC 11026764. Astrophysical Journal, 2010, 723, 1583-1598.	4.5	130
50	HAS A STAR ENOUGH ENERGY TO EXCITE THE THOUSAND OF MODES OBSERVED WITH CoRoT?. Astrophysical Journal Letters, 2010, 710, L7-L10.	8.3	13
51	HYBRID γ DORADUS γ SCUTI PULSATORS: NEW INSIGHTS INTO THE PHYSICS OF THE OSCILLATIONS FROM KEPLER OBSERVATIONS. Astrophysical Journal Letters, 2010, 713, L192-L197.	8.3	179
52	CARMENES: Calar Alto high-resolution search for M dwarfs with exo-earths with a near-infrared Echelle spectrograph. Proceedings of SPIE, 2010, , .	0.8	47
53	Mode trapping in sdO models. Astrophysics and Space Science, 2010, 329, 205-209.	1.4	0
54	Kepler observations: Light shed on the hybrid γ Doradus γ Scuti pulsation phenomenon. Astronomische Nachrichten, 2010, 331, 989-992.	1.2	14

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55	StrÅngren photometry and spectroscopy of the γ-Scuti stars 7 Aql and 8 Aql. <i>New Astronomy</i> , 2010, 15, 397-402.	1.8	5
56	Age determination of the HR8799 planetary system using asteroseismology. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 405, L81-L85.	3.3	61
57	Study of sdO models: pulsation analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 295-306.	4.4	8
58	Study of sdO models: mode trapping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1983-1992.	4.4	0
59	The planetary system host HR8799: on its γ -Scuti nature. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 406, 566-575.	4.4	22
60	The rapidly pulsating sdO star, SDSS J160043.6+074802.9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 23-34.	4.4	14
61	SEISMOLOGY OF δ CEPHEI STARS: DIFFERENTIALLY ROTATING MODELS FOR INTERPRETING THE OSCILLATION SPECTRUM OF δ ERIDANI. <i>Astrophysical Journal</i> , 2009, 690, 1401-1411.	4.5	28
62	RADIUS DETERMINATION OF SOLAR-TYPE STARS USING ASTEROSEISMOLOGY: WHAT TO EXPECT FROM THE KEPLER MISSION. <i>Astrophysical Journal</i> , 2009, 700, 1589-1602.	4.5	141
63	HD172189: another step in furnishing one of the best laboratories known for asteroseismic studies. <i>Astronomy and Astrophysics</i> , 2009, 507, 901-910.	5.1	12
64	Ground-based observations of the δ -Cephei CoRoT main target HD180642: abundance analysis and mode identification. <i>Astronomy and Astrophysics</i> , 2009, 506, 269-280.	5.1	25
65	Asteroseismic analysis of the CoRoT γ -Scuti star HD 174936. <i>Astronomy and Astrophysics</i> , 2009, 506, 79-83.	5.1	85
66	HD 50844: a new look at γ -Scuti stars from CoRoT space photometry. <i>Astronomy and Astrophysics</i> , 2009, 506, 85-93.	5.1	88
67	ASTEROSEISMOLOGICAL MODELING OF THE MULTIPERIODIC γ -BOOTIS STAR 29 CYGNI. <i>Astrophysical Journal</i> , 2009, 697, 522-534.	4.5	18
68	Granada oscillation code (GraCo). <i>Astrophysics and Space Science</i> , 2008, 316, 129-133.	1.4	31
69	Inter-comparison of the g-, f- and p-modes calculated using different oscillation codes for a given stellar model. <i>Astrophysics and Space Science</i> , 2008, 316, 231-249.	1.4	36
70	The CoRoT evolution and seismic tools activity. <i>Astrophysics and Space Science</i> , 2008, 316, 1-12.	1.4	43
71	A procedure for modelling asymptotic g-mode pulsators: The case of δ Doradus stars. <i>Astronomische Nachrichten</i> , 2008, 329, 541-544.	1.2	3
72	The limits of validity of the Frequency Ratio Method: The particular case of δ Doradus stars. <i>Astronomische Nachrichten</i> , 2008, 329, 545-548.	1.2	0

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73	$\hat{\Gamma}^3$ Doradus variable stars in the Pleiades cluster: results from a photometric multisite campaign. Journal of Physics: Conference Series, 2008, 118, 012049.	0.4	1
74	The role of rotation on Petersen diagrams. Astronomy and Astrophysics, 2007, 474, 961-967.	5.1	26
75	The field high-amplitude SX $\hat{\Gamma}$ Phoenicis variable BL $\hat{\Gamma}$ Camelopardalis: results from a multisite photometric campaign. Astronomy and Astrophysics, 2007, 471, 255-264.	5.1	17
76	Asteroseismology with the WIRE satellite. Astronomy and Astrophysics, 2007, 461, 619-630.	5.1	14
77	The asymptotic representation of higher-order g $\mathit{m}^{\mathit{+}}$ -modes in stars with a convective core. Astronomy and Astrophysics, 2007, 465, 509-524.	5.1	21
78	Multiperiodic pulsations in the Be stars NW Serpentis and V1446 Aquilae. Astronomy and Astrophysics, 2007, 472, 565-570.	5.1	5
79	HD 172189, a Cluster Member Binary System with a $\hat{\Gamma}$ Scuti Component in the Field of View of COROT. Astrophysics and Space Science, 2006, 304, 173-175.	1.4	2
80	The frequency ratio method and the new multiperiodic $\hat{\Gamma}^3$ Doradus star HD $\hat{\Gamma}$ 218427. Astronomy and Astrophysics, 2006, 450, 715-723.	5.1	18
81	A comprehensive asteroseismic modelling of the high-amplitude $\hat{\Gamma}$ Scuti star RV Arietis. Astronomy and Astrophysics, 2006, 455, 1019-1029.	5.1	22
82	Asteroseismology of the new multiperiodic $\hat{\Gamma}^3$ Dor variable HD $\hat{\Gamma}$ 239276. Astronomy and Astrophysics, 2006, 456, 261-268.	5.1	17
83	Frequency ratio method for seismic modeling of $\hat{\Gamma}^3$ Doradus stars. Astronomy and Astrophysics, 2005, 432, 189-198.	5.1	34
84	Frequency ratio method for seismic modelling of $\hat{\Gamma}^3$ Doradus stars. Astronomy and Astrophysics, 2005, 443, 271-282.	5.1	25
85	HD $\hat{\Gamma}$ 172189: an eclipsing and spectroscopic binary with a $\hat{\Gamma}$ Sct-type pulsating component in an open cluster. Astronomy and Astrophysics, 2005, 440, 711-714.	5.1	12
86	$\hat{\Gamma}$ Sct-type pulsations in eclipsing binary systems: RZ Cas. Monthly Notices of the Royal Astronomical Society, 2004, 347, 1317-1326.	4.4	43
87	The pre-main-sequence star HD $\hat{\Gamma}$ 34282: a very short-period $\hat{\Gamma}$ Scuti-type pulsator. Monthly Notices of the Royal Astronomical Society, 2004, 352, L11-L15.	4.4	20
88	Non-adiabatic theoretical observables in $\hat{\Gamma}$ Scuti stars. Astronomy and Astrophysics, 2004, 414, 1081-1090.	5.1	44
89	HD 173977: An ellipsoidal $\hat{\Gamma}$ Scuti star variable. Astronomy and Astrophysics, 2004, 426, 247-252.	5.1	11
90	Title is missing!. Astrophysics and Space Science, 2003, 284, 129-132.	1.4	5

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91	An Improved Method of Photometric Mode Identification: Applications to Slowly Pulsating B, $\hat{\nu}^2$ Cephei, $\hat{\nu}^1$ Scuti and $\hat{\nu}^3$ Doradus Stars. , 2003, , 129-132.		0
92	A new tool for the seismic investigation of $\hat{\nu}^3$ Doradus stars. Communications in Asteroseismology, 0, 147, 129-134.	0.0	1
93	The CoRoT evolution and seismic tools activity. , 0, , 1-12.		0
94	Inter-comparison of the g-, f- and p-modes calculated using different oscillation codes for a given stellar model. , 0, , 231-249.		0