

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	The <i>Kepler</i> characterization of the variability among A- and F-type stars. <i>Astronomy and Astrophysics</i> , 2011, 534, A125.	5.1	263
2	Seismic diagnostics for transport of angular momentum in stars. <i>Astronomy and Astrophysics</i> , 2013, 549, A74.	5.1	204
3	HYBRID $\hat{\nu}^3$ DORADIUS- $\hat{\nu}$ SCUTI PULSATORS: NEW INSIGHTS INTO THE PHYSICS OF THE OSCILLATIONS FROM <i>KEPLER</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2010, 713, L192-L197.	8.3	179
4	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 612, A49.	5.1	173
5	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
6	CARMENES instrument overview. <i>Proceedings of SPIE</i> , 2014, , .	0.8	132
7	A PRECISE ASTEROSEISMIC AGE AND RADIUS FOR THE EVOLVED SUN-LIKE STAR KIC 11026764. <i>Astrophysical Journal</i> , 2010, 723, 1583-1598.	4.5	130
8	THE ASTEROSEISMIC POTENTIAL OF <i>KEPLER</i> : FIRST RESULTS FOR SOLAR-TYPE STARS. <i>Astrophysical Journal Letters</i> , 2010, 713, L169-L175.	8.3	122
9	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, A117.	5.1	103
10	Kepler-91b: a planet at the end of its life. <i>Astronomy and Astrophysics</i> , 2014, 562, A109.	5.1	101
11	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
12	HD 50844: a new look at $\hat{\nu}$ Scuti stars from CoRoT space photometry. <i>Astronomy and Astrophysics</i> , 2009, 506, 85-93.	5.1	88
13	Asteroseismic analysis of the CoRoT $\hat{\nu}$ Scuti star HD 174936. <i>Astronomy and Astrophysics</i> , 2009, 506, 79-83.	5.1	85
14	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. <i>Science</i> , 2019, 365, 1441-1445.	12.6	78
15	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
16	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
17	An in-depth study of HD 174966 with CoRoT photometry and HARPS spectroscopy. <i>Astronomy and Astrophysics</i> , 2013, 559, A63.	5.1	48
18	Measuring mean densities of $\hat{\nu}$ Scuti stars with asteroseismology. <i>Astronomy and Astrophysics</i> , 2014, 563, A7.	5.1	48

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19	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
20	The excitation of solar-like oscillations in a δ Sct star by efficient envelope convection. Nature, 2011, 477, 570-573.	27.8	47
21	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2018, 609, L5.	5.1	46
22	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star γ Indi. Nature Astronomy, 2020, 4, 382-389.	10.1	46
23	Non-adiabatic theoretical observables in δ Scuti stars. Astronomy and Astrophysics, 2004, 414, 1081-1090.	5.1	44
24	δ Sct-type pulsations in eclipsing binary systems: RZ Cas. Monthly Notices of the Royal Astronomical Society, 2004, 347, 1317-1326.	4.4	43
25	The CoRoT evolution and seismic tools activity. Astrophysics and Space Science, 2008, 316, 1-12.	1.4	43
26	CARMENES. I: instrument and survey overview. Proceedings of SPIE, 2012, , .	0.8	43
27	Weighing stars from birth to death: mass determination methods across the HRD. Astronomy and Astrophysics Review, 2021, 29, 1.	25.5	38
28	Monitoring a high-amplitude δ 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
29	Kepler observations of the high-amplitude δ Scuti star V2367 Cyg. Monthly Notices of the Royal Astronomical Society, 2012, 419, 3028-3038.	4.4	37
30	CARMENES: high-resolution spectra and precise radial velocities in the red and infrared. , 2018, , .		37
31	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.	1.4	36
32	Semi-empirical seismic relations of A-F stars from COROT and Kepler legacy data. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2491-2497.	4.4	34
33	Frequency ratio method for seismic modeling of δ Doradus stars. Astronomy and Astrophysics, 2005, 432, 189-198.	5.1	34
34	Pulsation spectrum of δ Scuti stars: the binary HD 50870 as seen with CoRoT and HARPS. Astronomy and Astrophysics, 2012, 542, A24.	5.1	32
35	Granada oscillation code (GraCo). Astrophysics and Space Science, 2008, 316, 129-133.	1.4	31
36	Statistical-likelihood Exo-Planetary Habitability Index (SEPHI). Monthly Notices of the Royal Astronomical Society, 2017, 471, 4628-4636.	4.4	30

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37	Precise surface gravities of $\hat{\nu}$ Scuti stars from asteroseismology. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 471, L140-L144.	3.3	30
38	SEISMOLOGY OF $\hat{\nu}^2$ CEPHEI STARS: DIFFERENTIALLY ROTATING MODELS FOR INTERPRETING THE OSCILLATION SPECTRUM OF $\hat{\nu}^{1/2}$ ERIDANI. Astrophysical Journal, 2009, 690, 1401-1411.	4.5	28
39	The role of rotation on Petersen diagrams. Astronomy and Astrophysics, 2007, 474, 961-967.	5.1	26
40	ASTEROSEISMOLOGY OF THE NEARBY SN II PROGENITOR RIGEL. II. $\hat{\nu}$ -MECHANISM TRIGGERING GRAVITY-MODE PULSATIONS?. Astrophysical Journal, 2012, 749, 74.	4.5	26
41	Ground-based observations of the $\hat{\nu}^2$ Cephei CoRoT main target HD 180642: abundance analysis and mode identification. Astronomy and Astrophysics, 2009, 506, 269-280.	5.1	25
42	Frequency ratio method for seismic modelling of $\hat{\nu}^3$ Doradus stars. Astronomy and Astrophysics, 2005, 443, 271-282.	5.1	25
43	The planetary system host HR 8799: on its $\hat{\nu}$ Bootis nature. Monthly Notices of the Royal Astronomical Society, 2010, 406, 566-575.	4.4	22
44	Empirical Relations for the Accurate Estimation of Stellar Masses and Radii. Astrophysical Journal, Supplement Series, 2018, 237, 21.	7.7	22
45	A comprehensive asteroseismic modelling of the high-amplitude $\hat{\nu}$ Scuti star RV Arietis. Astronomy and Astrophysics, 2006, 455, 1019-1029.	5.1	22
46	Pulsations in M dwarf stars. Monthly Notices of the Royal Astronomical Society: Letters, 2012, 419, L44-L48.	3.3	21
47	The asymptotic representation of higher-order g -modes in stars with a convective core. Astronomy and Astrophysics, 2007, 465, 509-524.	5.1	21
48	The pre-main-sequence star HD 34282: a very short-period $\hat{\nu}$ Scuti-type pulsator. Monthly Notices of the Royal Astronomical Society, 2004, 352, L11-L15.	4.4	20
49	ASTEROSEISMOLOGY OF THE NEARBY SN-II PROGENITOR: RIGEL. I. THE MOST HIGH-PRECISION PHOTOMETRY AND RADIAL VELOCITY MONITORING. Astrophysical Journal, 2012, 747, 108.	4.5	20
50	Unveiling the power spectra of $\hat{\nu}$ Scuti stars with TESS. Astronomy and Astrophysics, 2020, 638, A59.	5.1	18
51	The frequency ratio method and the new multiperiodic $\hat{\nu}^3$ Doradus star HD 218427. Astronomy and Astrophysics, 2006, 450, 715-723.	5.1	18
52	ASTEROSEISMOLOGICAL MODELING OF THE MULTIPERIODIC $\hat{\nu}$ BOOTIS STAR 29 CYGNI. Astrophysical Journal, 2009, 697, 522-534.	4.5	18
53	The field high-amplitude SX Phoenicis variable BL Camelopardalis: results from a multisite photometric campaign. Astronomy and Astrophysics, 2007, 471, 255-264.	5.1	17
54	Asteroseismology of the new multiperiodic $\hat{\nu}^3$ Dor variable HD 239276. Astronomy and Astrophysics, 2006, 456, 261-268.	5.1	17

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55	New insights on the solar core. <i>Journal of Physics: Conference Series</i> , 2011, 271, 012046.	0.4	16
56	PBJam: A Python Package for Automating Asteroseismology of Solar-like Oscillators*. <i>Astronomical Journal</i> , 2021, 161, 62.	4.7	16
57	The theoretical instability strip of M dwarf stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 2371-2379.	4.4	15
58	Erosion of an exoplanetary atmosphere caused by stellar winds. <i>Astronomy and Astrophysics</i> , 2019, 630, A52.	5.1	15
59	High spatial resolution imaging of the star with a transiting planet WASP-33. <i>Astronomy and Astrophysics</i> , 2011, 535, A110.	5.1	15
60	Kepler observations: Light shed on the hybrid γ Doradus α Scuti pulsation phenomenon. <i>Astronomische Nachrichten</i> , 2010, 331, 989-992.	1.2	14
61	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
62	Asteroseismology with the WIRE satellite. <i>Astronomy and Astrophysics</i> , 2007, 461, 619-630.	5.1	14
63	HAS A STAR ENOUGH ENERGY TO EXCITE THE THOUSAND OF MODES OBSERVED WITH CoRoT?. <i>Astrophysical Journal Letters</i> , 2010, 710, L7-L10.	8.3	13
64	Asteroseismic potential of CHEOPS. <i>Astronomy and Astrophysics</i> , 2018, 620, A203.	5.1	13
65	HD 172189: 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
66	CoRoT 102749568: mode identification in a γ Scuti star based on regular spacings. <i>Astronomy and Astrophysics</i> , 2013, 557, A27.	5.1	12
67	HD 172189: an eclipsing and spectroscopic binary with an α Sct-type pulsating component in an open cluster. <i>Astronomy and Astrophysics</i> , 2005, 440, 711-714.	5.1	12
68	HD 173977: An ellipsoidal γ Scuti star variable. <i>Astronomy and Astrophysics</i> , 2004, 426, 247-252.	5.1	11
69	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
70	Impact of gaps in the asteroseismic characterization of pulsating stars. <i>Astronomy and Astrophysics</i> , 2018, 614, A40.	5.1	9
71	Study of sdO models: pulsation analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 295-306.	4.4	8
72	Theoretical Stark Broadening Parameters for UV 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

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73	Title is missing!. <i>Astrophysics and Space Science</i> , 2003, 284, 129-132.	1.4	5
74	StrÅ¶mgren photometry and spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si86.gif" overflow="scroll"><mml:mrow><mml:mi>Î</mml:mi></mml:mrow></mml:math> Scuti stars 7 Aql and 8 Aql. <i>New Astronomy</i> , 2010, 15, 397-402.	1.8	5
75	Multiperiodic pulsations in the Be stars NW Serpentis and V1446 Aquilae. <i>Astronomy and Astrophysics</i> , 2007, 472, 565-570.	5.1	5
76	A fuzzy Multi-Criteria Decision Making approach for Exo-Planetary Habitability. <i>Astronomy and Computing</i> , 2021, 36, 100471.	1.7	4
77	Stellar dating using chemical clocks and Bayesian inference. <i>Astronomy and Astrophysics</i> , 2022, 660, A15.	5.1	4
78	A procedure for modelling asymptotic gâ€mode pulsators: The case of Î³ Doradus stars. <i>Astronomische Nachrichten</i> , 2008, 329, 541-544.	1.2	3
79	HD 172189, a Cluster Member Binary System with a Î Scuti Component in the Field of View of COROT. <i>Astrophysics and Space Science</i> , 2006, 304, 173-175.	1.4	2
80	Î³ Doradus variable stars in the Pleiades cluster: results from a photometric multiste campaign. <i>Journal of Physics: Conference Series</i> , 2008, 118, 012049.	0.4	1
81	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
82	Pulsating stars harbouring planets. <i>EPJ Web of Conferences</i> , 2013, 47, 09005.	0.3	1
83	A new tool for the seismic investigation of Î³ Doradus stars. <i>Communications in Asteroseismology</i> , 0, 147, 129-134.	0.0	1
84	Internal structures and magnetic moments of rocky planets. <i>Astronomy and Astrophysics</i> , 2022, 661, A101.	5.1	1
85	The limits of validity of the Frequency Ratio Method: The particular case of <i>Î³</i> Doradus stars. <i>Astronomische Nachrichten</i> , 2008, 329, 545-548.	1.2	0
86	Mode trapping in sdO models. <i>Astrophysics and Space Science</i> , 2010, 329, 205-209.	1.4	0
87	Study of sdO models: mode trapping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 403, 1983-1992.	4.4	0
88	Sensitivity of the Calculated g-Mode Frequencies toÂPulsation Codes and their Parameters. <i>Solar Physics</i> , 2011, 268, 245-254.	2.5	0
89	Accurate and loggof Î Scuti stars using Asteroseismology. <i>EPJ Web of Conferences</i> , 2017, 160, 03003.	0.3	0
90	An Improved Method of Photometric Mode Identification: Applications to Slowly Pulsating B, Î² Cephei, Î Scuti and Î³ Doradus Stars. , 2003, , 129-132.		0

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91	Pulsating Stars Harbours Planets. Thirty Years of Astronomical Discovery With UKIRT, 2013, , 221-226.	0.3	0
92	The Far Ultraviolet Variability of 29 Cygni. Research Notes of the AAS, 2020, 4, 26.	0.7	0
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