

Alejandro H CÃ³rsico

List of Publications by Year in descending order

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103
papers

3,838
citations

126708

33
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138251

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103
docs citations

103
times ranked

1582
citing authors

#	ARTICLE	IF	CITATIONS
1	An evolutionary channel for CO-rich and pulsating He-rich subdwarfs. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 511, L60-L65.	1.2	10
2	The evolution of ultra-massive carbon-oxygen white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5198-5206.	1.6	11
3	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2022, 659, A30.	2.1	7
4	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. IV. Discovery of two new GW Vir stars: TIC0403800675 and TIC1989122424. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2285-2291.	1.6	4
5	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2021, 645, A117.	2.1	19
6	The pulsational properties of ultra-massive DB white dwarfs with carbon-oxygen cores coming from single-star evolution. <i>Astronomy and Astrophysics</i> , 2021, 646, A60.	2.1	4
7	The formation of ultra-massive carbon-oxygen core white dwarfs and their evolutionary and pulsational properties. <i>Astronomy and Astrophysics</i> , 2021, 646, A30.	2.1	28
8	A new instability domain of CNO-flashing low-mass He-core stars on their early white-dwarf cooling branches. <i>Astronomy and Astrophysics</i> , 2021, 647, A140.	2.1	1
9	Forever young white dwarfs: When stellar ageing stops. <i>Astronomy and Astrophysics</i> , 2021, 649, L7.	2.1	31
10	White dwarf-main-sequence binaries from Gaia EDR3: the unresolved 100 pc volume-limited sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 5201-5211.	1.6	27
11	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2021, 655, A27.	2.1	9
12	Discovery, TESS Characterization, and Modeling of Pulsations in the Extremely Low-mass White Dwarf GD 278. <i>Astrophysical Journal</i> , 2021, 922, 220.	1.6	3
13	Asteroseismic signatures of the helium core flash. <i>Nature Astronomy</i> , 2020, 4, 67-71.	4.2	11
14	White-Dwarf Asteroseismology With the Kepler Space Telescope. <i>Frontiers in Astronomy and Space Sciences</i> , 2020, 7, .	1.1	23
15	An ultra-massive white dwarf with a mixed hydrogen-carbon atmosphere as a likely merger remnant. <i>Nature Astronomy</i> , 2020, 4, 663-669.	4.2	29
16	About the existence of warm H-rich pulsating white dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 633, A20.	2.1	11
17	Effect of Coulomb diffusion of ions on the pulsational properties of DA white dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 644, A55.	2.1	5
18	On the formation of hydrogen-deficient low-mass white dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 638, A30.	2.1	2

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19	On the recent parametric determination of an asteroseismological model for the DBV star KIC 08626021. <i>Astronomy and Astrophysics</i> , 2019, 630, A100.	2.1	23
20	Pulsating white dwarfs: new insights. <i>Astronomy and Astrophysics Review</i> , 2019, 27, 1.	9.1	129
21	The evolution of ultra-massive white dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 625, A87.	2.1	79
22	Evolution and asteroseismology of ultra-massive DA white dwarfs. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 110-113.	0.0	0
23	White-dwarf asteroseismology: An update. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 93-106.	0.0	1
24	Asteroseismological analysis of the ultra-massive ZZ Ceti stars BPM 37093, GD 518, and SDSS J0840+5222. <i>Astronomy and Astrophysics</i> , 2019, 632, A119.	2.1	13
25	TESS first look at evolved compact pulsators. <i>Astronomy and Astrophysics</i> , 2019, 632, A42.	2.1	22
26	Pulsation properties of ultra-massive DA white dwarf stars with ONe cores. <i>Astronomy and Astrophysics</i> , 2019, 621, A100.	2.1	17
27	On the evolutionary status and pulsations of the recently discovered blue large-amplitude pulsators (BLAPs). <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 477, L30-L34.	1.2	22
28	Asteroseismology of ZZ Ceti stars with full evolutionary white dwarf models. <i>Astronomy and Astrophysics</i> , 2018, 613, A46.	2.1	13
29	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2018, 620, A196.	2.1	9
30	The coolest extremely low-mass white dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 614, A49.	2.1	12
31	Pulsational instabilities driven by the α mechanism in hot pre-horizontal branch stars. <i>Astronomy and Astrophysics</i> , 2018, 614, A136.	2.1	24
32	A refined search for pulsations in white dwarf companions to millisecond pulsars... <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1267-1272.	1.6	43
33	Updated Evolutionary Sequences for Hydrogen-deficient White Dwarfs. <i>Astrophysical Journal</i> , 2017, 839, 11.	1.6	37
34	Asteroseismology of hybrid α -Scuti- β -Doradus pulsating stars. <i>Astronomy and Astrophysics</i> , 2017, 597, A29.	2.1	18
35	Asteroseismology of ZZ Ceti stars with fully evolutionary white dwarf models. <i>Astronomy and Astrophysics</i> , 2017, 599, A21.	2.1	32
36	Probing the Structure of Kepler ZZ Ceti Stars with Full Evolutionary Models-based Asteroseismology. <i>Astrophysical Journal</i> , 2017, 851, 60.	1.6	17

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37	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2017, 607, A33.	2.1	13
38	$\hat{\mu}$ -mechanism driven pulsations in hot subdwarf stars with mixed H-He atmospheres. <i>Open Astronomy</i> , 2017, 26, .	0.2	0
39	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2017, 600, A73.	2.1	12
40	Pulsational instability of high-luminosity H-rich pre-white dwarf star. <i>EPJ Web of Conferences</i> , 2017, 152, 06012.	0.1	2
41	Two new pulsating low-mass pre-white dwarfs or SX Phoenicis stars?. <i>Astronomy and Astrophysics</i> , 2016, 587, L5.	2.1	12
42	THE EFFECT OF ^{22}Ne DIFFUSION IN THE EVOLUTION AND PULSATONAL PROPERTIES OF WHITE DWARFS WITH SOLAR METALLICITY PROGENITORS. <i>Astrophysical Journal</i> , 2016, 823, 158.	1.6	45
43	Pulsations powered by hydrogen shell burning in white dwarfs. <i>Astronomy and Astrophysics</i> , 2016, 595, A45.	2.1	8
44	An asteroseismic constraint on the mass of the axion from the period drift of the pulsating DA white dwarf star L19-2. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 036-036.	1.9	46
45	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2016, 585, A1.	2.1	24
46	Asteroseismology of the GW Virginis stars SDSS J0349 $\hat{\sim}$ 0059 and VV 47. <i>Astronomy and Astrophysics</i> , 2016, 589, A40.	2.1	8
47	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2016, 588, A74.	2.1	32
48	White dwarf evolutionary sequences for low-metallicity progenitors: The impact of third dredge-up. <i>Astronomy and Astrophysics</i> , 2015, 576, A9.	2.1	70
49	Revealing the pulsational properties of the V777 Herculis star KUV 05134+2605 by its long-term monitoring. <i>Astronomy and Astrophysics</i> , 2014, 570, A116.	2.1	15
50	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2014, 569, A106.	2.1	32
51	Discovery of a new PG 1159 (GW Vir) pulsator. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2278-2281.	1.6	12
52	SHORT-PERIOD g -MODE PULSATIONS IN LOW-MASS WHITE DWARFS TRIGGERED BY H-SHELL BURNING. <i>Astrophysical Journal Letters</i> , 2014, 793, L17.	3.0	21
53	An independent constraint on the secular rate of variation of the gravitational constant from pulsating white dwarfs. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 032-032.	1.9	35
54	MEASURING THE EVOLUTIONARY RATE OF COOLING OF ZZ Ceti. <i>Astrophysical Journal</i> , 2013, 771, 17.	1.6	27

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55	ASTEROSEISMOLOGICAL STUDY OF MASSIVE ZZ CETI STARS WITH FULLY EVOLUTIONARY MODELS. <i>Astrophysical Journal</i> , 2013, 779, 58.	1.6	47
56	New evolutionary sequences for extremely low-mass white dwarfs. <i>Astronomy and Astrophysics</i> , 2013, 557, A19.	2.1	186
57	DOUBLE DEGENERATE MERGERS AS PROGENITORS OF HIGH-FIELD MAGNETIC WHITE DWARFS. <i>Astrophysical Journal</i> , 2012, 749, 25.	1.6	115
58	SEISMOLOGY OF A MASSIVE PULSATING HYDROGEN ATMOSPHERE WHITE DWARF. <i>Astrophysical Journal</i> , 2012, 757, 177.	1.6	10
59	New phase diagrams for dense carbon-oxygen mixtures and white dwarf evolution. <i>Astronomy and Astrophysics</i> , 2012, 537, A33.	2.1	35
60	Outer boundary conditions for evolving cool white dwarfs. <i>Astronomy and Astrophysics</i> , 2012, 546, A119.	2.1	34
61	The seismic properties of low-mass He-core white dwarf stars. <i>Astronomy and Astrophysics</i> , 2012, 547, A96.	2.1	32
62	Toward ensemble asteroseismology of ZZ Ceti stars with fully evolutionary models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 1462-1480.	1.6	107
63	The rate of cooling of the pulsating white dwarf star G117â~B15A: a new asteroseismological inference of the axion mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 2792-2799.	1.6	75
64	Asteroseismology of the Kepler V777 Herculis variable white dwarf with fully evolutionary models. <i>Astronomy and Astrophysics</i> , 2012, 541, A42.	2.1	28
65	The evolution of white dwarfs with a varying gravitational constant. <i>Astronomy and Astrophysics</i> , 2011, 527, A72.	2.1	13
66	The period and amplitude changes in the coolest GW Virginis variable star (PG 1159-type) PG 0122+200. <i>Astronomy and Astrophysics</i> , 2011, 528, A5.	2.1	17
67	Probing the internal rotation of pre-white dwarf stars with asteroseismology: the case of PG 0122+200. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 2519-2526.	1.6	19
68	The white-dwarf cooling sequence of NGC 6791: a unique tool for stellar evolution. <i>Astronomy and Astrophysics</i> , 2011, 533, A31.	2.1	9
69	Axions and the pulsation periods of variable white dwarfs revisited. <i>Astronomy and Astrophysics</i> , 2010, 512, A86.	2.1	47
70	NEW COOLING SEQUENCES FOR OLD WHITE DWARFS. <i>Astrophysical Journal</i> , 2010, 717, 183-195.	1.6	193
71	NEW CHEMICAL PROFILES FOR THE ASTEROSEISMOLOGY OF ZZ CETI STARS. <i>Astrophysical Journal</i> , 2010, 717, 897-907.	1.6	61
72	Evolutionary and pulsational properties of white dwarf stars. <i>Astronomy and Astrophysics Review</i> , 2010, 18, 471-566.	9.1	266

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73	A white dwarf cooling age of 8â€™%Gyr for NGC 6791 from physical separation processes. <i>Nature</i> , 2010, 465, 194-196.	13.7	191
74	EVOLUTION OF WHITE DWARF STARS WITH HIGH-METALLICITY PROGENITORS: THE ROLE OF ²² Ne DIFFUSION. <i>Astrophysical Journal</i> , 2010, 719, 612-621.	1.6	50
75	ON THE POSSIBLE EXISTENCE OF SHORT-PERIOD <i>g</i> -MODE INSTABILITIES POWERED BY NUCLEAR-BURNING SHELLS IN POST-ASYMPTOTIC GIANT BRANCH H-DEFICIENT (PG1159-TYPE) STARS. <i>Astrophysical Journal</i> , 2009, 701, 1008-1014.	1.6	22
76	ON THE FORMATION OF HOT DQ WHITE DWARFS. <i>Astrophysical Journal</i> , 2009, 693, L23-L26.	1.6	17
77	NEW EVOLUTIONARY SEQUENCES FOR HOT H-DEFICIENT WHITE DWARFS ON THE BASIS OF A FULL ACCOUNT OF PROGENITOR EVOLUTION. <i>Astrophysical Journal</i> , 2009, 704, 1605-1615.	1.6	66
78	Hot C-rich white dwarfs: testing the DBâ€™DQ transition through pulsations. <i>Astronomy and Astrophysics</i> , 2009, 506, 835-843.	2.1	11
79	Asteroseismology of hot pre-white dwarf stars: the case of the DOV stars PGâ€™2131+066â€™and PGâ€™1707+427, and the PNNV star NGC 1501. <i>Astronomy and Astrophysics</i> , 2009, 499, 257-266.	2.1	20
80	Revisiting the theoretical DBV (V777 Her) instability strip: The MLT theory of convection. <i>Journal of Physics: Conference Series</i> , 2009, 172, 012075.	0.3	12
81	On the origin of white dwarfs with carbon-dominated atmospheres: the case of H1504+65. <i>Astronomy and Astrophysics</i> , 2009, 494, 1021-1024.	2.1	5
82	Evidence of Thin Helium Envelopes in PG 1159 Stars. <i>Astrophysical Journal</i> , 2008, 677, L35-L38.	1.6	17
83	Gravitational Settling of ²² Ne and White Dwarf Evolution. <i>Astrophysical Journal</i> , 2008, 677, 473-482.	1.6	49
84	Asteroseismological measurements on PGâ€™1159-035, the prototype of the GW Virginis variable stars. <i>Astronomy and Astrophysics</i> , 2008, 478, 869-881.	2.1	38
85	On the systematics of asteroseismological mass determinations of PG 1159 stars. <i>Astronomy and Astrophysics</i> , 2008, 478, 175-180.	2.1	9
86	The pulsation modes of the pre-white dwarf PG 1159-035. <i>Astronomy and Astrophysics</i> , 2008, 477, 627-640.	2.1	46
87	The age and colors of massive white dwarf stars. <i>Astronomy and Astrophysics</i> , 2007, 465, 249-255.	2.1	79
88	Asteroseismological constraints on the coolest GW Virginis variable star (PG 1159-type) PG 0122+200. <i>Astronomy and Astrophysics</i> , 2007, 475, 619-627.	2.1	26
89	Asteroseismological constraints on the pulsating planetary nebula nucleus (PGâ€™%1159-type) RXâ€™%J2117.1+3412. <i>Astronomy and Astrophysics</i> , 2007, 461, 1095-1102.	2.1	30
90	New nonadiabatic pulsation computations on full PGâ€™1159 evolutionary models: the theoretical GW Virginis instability strip revisited. <i>Astronomy and Astrophysics</i> , 2006, 458, 259-267.	2.1	67

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91	Asteroseismic inferences on GW Virginis variable stars in the frame of new PG1159 evolutionary models. <i>Astronomy and Astrophysics</i> , 2006, 454, 863-881.	2.1	78
92	Mass-radius relations for massive white dwarf stars. <i>Astronomy and Astrophysics</i> , 2005, 441, 689-694.	2.1	63
93	The formation and evolution of hydrogen-deficient post-AGB white dwarfs: The emerging chemical profile and the expectations for the PG1159-DB-DQ evolutionary connection. <i>Astronomy and Astrophysics</i> , 2005, 435, 631-648.	2.1	168
94	New evolutionary models for massive ZZ Ceti stars. <i>Astronomy and Astrophysics</i> , 2005, 429, 277-290.	2.1	30
95	Can pulsating PG1159 stars place constraints on the occurrence of core overshooting?. <i>Astronomy and Astrophysics</i> , 2005, 439, L31-L34.	2.1	13
96	The formation of DA white dwarfs with thin hydrogen envelopes. <i>Astronomy and Astrophysics</i> , 2005, 440, L1-L4.	2.1	24
97	Pulsations of massive ZZ Ceti stars with carbon/oxygen and oxygen/neon cores. <i>Astronomy and Astrophysics</i> , 2004, 427, 923-932.	2.1	24
98	New evolutionary models for massive ZZ Ceti stars. I. First results for their pulsational properties. <i>Astronomy and Astrophysics</i> , 2003, 404, 593-609.	2.1	76
99	The effects of element diffusion on the pulsational properties of variable DA white dwarf stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 332, 392-398.	1.6	14
100	Time-dependent diffusion in pulsating white dwarf stars: asteroseismology of G117-B15A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 332, 399-408.	1.6	18
101	The mode trapping properties of full DA white dwarf evolutionary models. <i>Astronomy and Astrophysics</i> , 2002, 387, 531-549.	2.1	35
102	New DA white dwarf evolutionary models and their pulsational properties. <i>Astronomy and Astrophysics</i> , 2001, 380, L17-L20.	2.1	20
103	The potential of the variable DA white dwarf G117-B15A as a tool for fundamental physics. <i>New Astronomy</i> , 2001, 6, 197-213.	0.8	66