

L G Althaus

List of Publications by Year in descending order

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179
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#	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.	3.3	10
2	The evolution of ultra-massive carbon-oxygen white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5198-5206.	4.4	11
3	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2022, 659, A30.	5.1	7
4	New simulations of accreting DA white dwarfs: Inferring accretion rates from the surface contamination. <i>Astronomy and Astrophysics</i> , 2022, 660, A30.	5.1	1
5	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.	4.4	4
6	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2021, 645, A117.	5.1	19
7	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.	5.1	4
8	The formation of ultra-massive carbon-oxygen core white dwarfs and their evolutionary and pulsational properties. <i>Astronomy and Astrophysics</i> , 2021, 646, A30.	5.1	28
9	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.	5.1	1
10	Forever young white dwarfs: When stellar ageing stops. <i>Astronomy and Astrophysics</i> , 2021, 649, L7.	5.1	31
11	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.	4.4	27
12	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2021, 655, A27.	5.1	9
13	Slowly cooling white dwarfs in M13 from stable hydrogen burning. <i>Nature Astronomy</i> , 2021, 5, 1170-1177.	10.1	11
14	Asteroseismic signatures of the helium core flash. <i>Nature Astronomy</i> , 2020, 4, 67-71.	10.1	11
15	Diagnosing pulsar winds in black-widow, redback, and other binary millisecond pulsar systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1579-1593.	4.4	6
16	About the existence of warm H-rich pulsating white dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 633, A20.	5.1	11
17	Effect of Coulomb diffusion of ions on the pulsational properties of DA white dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 644, A55.	5.1	5
18	On the formation of hydrogen-deficient low-mass white dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 638, A30.	5.1	2

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19	Effects of ^{22}Ne sedimentation and metallicity on the local 40 pc white dwarf luminosity function. <i>Astronomy and Astrophysics</i> , 2019, 628, A52.	5.1	9
20	On the recent parametric determination of an asteroseismological model for the DBV star KIC 08626021. <i>Astronomy and Astrophysics</i> , 2019, 630, A100.	5.1	23
21	Pulsating white dwarfs: new insights. <i>Astronomy and Astrophysics Review</i> , 2019, 27, 1.	25.5	129
22	Fingering convection in accreting hydrogen white dwarfs. <i>EAS Publications Series</i> , 2019, 82, 183-187.	0.3	0
23	The evolution of ultra-massive white dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 625, A87.	5.1	79
24	Evolution and asteroseismology of ultra-massive DA white dwarfs. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 110-113.	0.0	0
25	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.	5.1	13
26	TESS first look at evolved compact pulsators. <i>Astronomy and Astrophysics</i> , 2019, 632, A42.	5.1	22
27	Pulsation properties of ultra-massive DA white dwarf stars with ONe cores. <i>Astronomy and Astrophysics</i> , 2019, 621, A100.	5.1	17
28	<i>Gaia</i> DR2 white dwarfs in the Hercules stream. <i>Astronomy and Astrophysics</i> , 2019, 629, L6.	5.1	6
29	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.	3.3	22
30	Asteroseismology of ZZ Ceti stars with full evolutionary white dwarf models. <i>Astronomy and Astrophysics</i> , 2018, 613, A46.	5.1	13
31	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2018, 620, A196.	5.1	9
32	The coolest extremely low-mass white dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 614, A49.	5.1	12
33	Comparing the asteroseismic properties of pulsating pre-extremely low mass white dwarf and $\hat{\Gamma}$ Scuti stars. <i>Astronomy and Astrophysics</i> , 2018, 616, A80.	5.1	5
34	Pulsational instabilities driven by the α mechanism in hot pre-horizontal branch stars. <i>Astronomy and Astrophysics</i> , 2018, 614, A136.	5.1	24
35	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.	4.4	43
36	Updated Evolutionary Sequences for Hydrogen-deficient White Dwarfs. <i>Astrophysical Journal</i> , 2017, 839, 11.	4.5	37

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37	Importance of fingering convection for accreting white dwarfs in the framework of full evolutionary calculations: the case of the hydrogen-rich white dwarfs GD 133 and G 29-38. <i>Astronomy and Astrophysics</i> , 2017, 601, A13.	5.1	22
38	Asteroseismology of hybrid γ -Scuti- β Doradus pulsating stars. <i>Astronomy and Astrophysics</i> , 2017, 597, A29.	5.1	18
39	The evolution of white dwarfs resulting from helium-enhanced, low-metallicity progenitor stars. <i>Astronomy and Astrophysics</i> , 2017, 597, A67.	5.1	17
40	Asteroseismology of ZZ Ceti stars with fully evolutionary white dwarf models. <i>Astronomy and Astrophysics</i> , 2017, 599, A21.	5.1	32
41	Probing the Structure of Kepler ZZ Ceti Stars with Full Evolutionary Models-based Asteroseismology. <i>Astrophysical Journal</i> , 2017, 851, 60.	4.5	17
42	White dwarf constraints on a secularly varying gravitational constant. , 2017, , .		1
43	Asteroseismological analysis of the GW Virginis stars SDSS J0349-0059 and VV 47. <i>EPJ Web of Conferences</i> , 2017, 152, 05007.	0.3	0
44	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2017, 607, A33.	5.1	13
45	μ -mechanism driven pulsations in hot subdwarf stars with mixed H-He atmospheres. <i>Open Astronomy</i> , 2017, 26, .	0.6	0
46	Pulsational instabilities in hot pre-horizontal branch stars. <i>EPJ Web of Conferences</i> , 2017, 152, 06010.	0.3	0
47	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2017, 600, A73.	5.1	12
48	Pulsational instability of high-luminosity H-rich pre-white dwarf star. <i>EPJ Web of Conferences</i> , 2017, 152, 06012.	0.3	2
49	Two new pulsating low-mass pre-white dwarfs or SX Phoenicis stars?. <i>Astronomy and Astrophysics</i> , 2016, 587, L5.	5.1	12
50	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.	4.5	45
51	Pulsations powered by hydrogen shell burning in white dwarfs. <i>Astronomy and Astrophysics</i> , 2016, 595, A45.	5.1	8
52	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.	5.4	46
53	Is the central binary system of the planetary nebula Henize 2-428 a type Ia supernova progenitor?. <i>New Astronomy</i> , 2016, 45, 7-13.	1.8	9
54	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2016, 585, A1.	5.1	24

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55	Asteroseismology of the GW Virginis stars SDSS J0349âˆ’0059 and VV 47. <i>Astronomy and Astrophysics</i> , 2016, 589, A40.	5.1	8
56	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2016, 588, A74.	5.1	32
57	Discovery of near-ultraviolet counterparts to millisecond pulsars in the globular cluster 47 Tucanae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 2708-2718.	4.4	11
58	White dwarf evolutionary sequences for low-metallicity progenitors: The impact of third dredge-up. <i>Astronomy and Astrophysics</i> , 2015, 576, A9.	5.1	70
59	The white dwarf population of NGC 6397. <i>Astronomy and Astrophysics</i> , 2015, 581, A90.	5.1	25
60	Revisiting the luminosity function of single halo white dwarfs. <i>Astronomy and Astrophysics</i> , 2015, 581, A108.	5.1	9
61	AN UPPER LIMIT TO THE VARIATION OF $\langle i \rangle_G \langle i \rangle$ FROM THE WHITE DWARF COOLING SEQUENCE OF NGC 6791. , 2015, , .		0
62	Pulsating low-mass white dwarfs in the frame of new evolutionary sequences. <i>Astronomy and Astrophysics</i> , 2014, 569, A106.	5.1	32
63	SHORT-PERIOD $\langle i \rangle_g \langle i \rangle$ -MODE PULSATIONS IN LOW-MASS WHITE DWARFS TRIGGERED BY H-SHELL BURNING. <i>Astrophysical Journal Letters</i> , 2014, 793, L17.	8.3	21
64	IMPORTANCE OF TIDES FOR PERIASTRON PRECESSION IN ECCENTRIC NEUTRON STAR-WHITE DWARF BINARIES. <i>Astrophysical Journal</i> , 2014, 792, 138.	4.5	5
65	Fingering convection in red giants revisited. <i>Astronomy and Astrophysics</i> , 2014, 570, A58.	5.1	20
66	The white dwarf cooling sequence of 47 Tucanae. <i>Astronomy and Astrophysics</i> , 2014, 571, A56.	5.1	17
67	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.	5.4	35
68	QUIESCENT NUCLEAR BURNING IN LOW-METALLICITY WHITE DWARFS. <i>Astrophysical Journal Letters</i> , 2013, 775, L22.	8.3	20
69	SDSS DR7 WHITE DWARF CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2013, 204, 5.	7.7	310
70	ASTEROSEISMOLOGICAL STUDY OF MASSIVE ZZ CETI STARS WITH FULLY EVOLUTIONARY MODELS. <i>Astrophysical Journal</i> , 2013, 779, 58.	4.5	47
71	New evolutionary sequences for extremely low-mass white dwarfs. <i>Astronomy and Astrophysics</i> , 2013, 557, A19.	5.1	186
72	Comparison of theoretical white dwarf cooling timescales. <i>Astronomy and Astrophysics</i> , 2013, 555, A96.	5.1	56

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73	The explosion of supernova 2011fe in the frame of the core-degenerate scenario. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 437, L66-L70.	3.3	36
74	DOUBLE DEGENERATE MERGERS AS PROGENITORS OF HIGH-FIELD MAGNETIC WHITE DWARFS. Astrophysical Journal, 2012, 749, 25.	4.5	115
75	SEISMOLOGY OF A MASSIVE PULSATING HYDROGEN ATMOSPHERE WHITE DWARF. Astrophysical Journal, 2012, 757, 177.	4.5	10
76	New phase diagrams for dense carbon-oxygen mixtures and white dwarf evolution. Astronomy and Astrophysics, 2012, 537, A33.	5.1	35
77	Outer boundary conditions for evolving cool white dwarfs. Astronomy and Astrophysics, 2012, 546, A119.	5.1	34
78	The seismic properties of low-mass He-core white dwarf stars. Astronomy and Astrophysics, 2012, 547, A96.	5.1	32
79	Toward ensemble asteroseismology of ZZâ€fCeti stars with fully evolutionary models. Monthly Notices of the Royal Astronomical Society, 2012, 420, 1462-1480.	4.4	107
80	Orbital properties of an unusually low-mass sdB star in a close binary system with a white dwarf. Monthly Notices of the Royal Astronomical Society, 2012, 424, 1752-1761.	4.4	24
81	The rate of cooling of the pulsating white dwarf star G117â~B15A: a new asteroseismological inference of the axion mass. Monthly Notices of the Royal Astronomical Society, 2012, 424, 2792-2799.	4.4	75
82	Asteroseismology of the Kepler V777 Herculis variable white dwarf with fully evolutionary models. Astronomy and Astrophysics, 2012, 541, A42.	5.1	28
83	Lithium production in the merging of white dwarf stars. Astronomy and Astrophysics, 2012, 542, A117.	5.1	20
84	The evolution of white dwarfs with a varying gravitational constant. Astronomy and Astrophysics, 2011, 527, A72.	5.1	13
85	Thermohaline mixing and the photospheric composition of low-mass giant stars. Astronomy and Astrophysics, 2011, 533, A139.	5.1	37
86	The impact of chemical differentiation of white dwarfs on thermonuclear supernovae. Astronomy and Astrophysics, 2011, 526, A26.	5.1	15
87	NSV 11749, AN ELDER SIBLING OF THE BORN-AGAIN STARS V605 Aql AND V4334 Sgr?. Astrophysical Journal Letters, 2011, 743, L33.	8.3	9
88	ON THE CHALLENGING VARIABILITY OF LS IV-14Â°116: PULSATONAL INSTABILITIES EXCITED BY THE Îµ-MECHANISM. Astrophysical Journal Letters, 2011, 741, L3.	8.3	28
89	Lyman Î± wing absorption in cool white dwarf stars. Monthly Notices of the Royal Astronomical Society, 2011, 411, 781-791.	4.4	18
90	The diffusion-induced nova scenario: CK Vul and PB8 as possible observational counterparts. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1396-1408.	4.4	20

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91	Probing the internal rotation of pre-white dwarf stars with asteroseismology: the case of PG 0122+200. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2519-2526.	4.4	19
92	NUCLEOSYNTHESIS DURING THE MERGER OF WHITE DWARFS AND THE ORIGIN OF R CORONAE BOREALIS STARS. Astrophysical Journal Letters, 2011, 737, L34.	8.3	43
93	An upper limit to the secular variation of the gravitational constant from white dwarf stars. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 021-021.	5.4	51
94	The white-dwarf cooling sequence of NGC 6791: a unique tool for stellar evolution. Astronomy and Astrophysics, 2011, 533, A31.	5.1	9
95	The Cooling of White Dwarfs and a Varying Gravitational Constant. Thirty Years of Astronomical Discovery With UKIRT, 2011, , 47-57.	0.3	0
96	The white dwarf cooling age of NGC 6791. , 2010, , .		0
97	Axions and the pulsation periods of variable white dwarfs revisited. Astronomy and Astrophysics, 2010, 512, A86.	5.1	47
98	NEW COOLING SEQUENCES FOR OLD WHITE DWARFS. Astrophysical Journal, 2010, 717, 183-195.	4.5	193
99	NEW CHEMICAL PROFILES FOR THE ASTEROSEISMOLOGY OF ZZ CETI STARS. Astrophysical Journal, 2010, 717, 897-907.	4.5	61
100	Evolutionary and pulsational properties of white dwarf stars. Astronomy and Astrophysics Review, 2010, 18, 471-566.	25.5	266
101	A white dwarf cooling age of 8%Gyr for NGC 6791 from physical separation processes. Nature, 2010, 465, 194-196.	27.8	191
102	EVOLUTION OF WHITE DWARF STARS WITH HIGH-METALLICITY PROGENITORS: THE ROLE OF ^{22}Ne DIFFUSION. Astrophysical Journal, 2010, 719, 612-621.	4.5	50
103	ON THE POSSIBLE EXISTENCE OF SHORT-PERIOD g -MODE INSTABILITIES POWERED BY NUCLEAR-BURNING SHELLS IN POST-ASYMPTOTIC GIANT BRANCH H-DEFICIENT (PG1159-TYPE) STARS. Astrophysical Journal, 2009, 701, 1008-1014.	4.5	22
104	ON THE FORMATION OF HOT DQ WHITE DWARFS. Astrophysical Journal, 2009, 693, L23-L26.	4.5	17
105	Evolution and colors of helium-core white dwarf stars with high-metallicity progenitors. Astronomy and Astrophysics, 2009, 502, 207-216.	5.1	37
106	NEW EVOLUTIONARY SEQUENCES FOR HOT H-DEFICIENT WHITE DWARFS ON THE BASIS OF A FULL ACCOUNT OF PROGENITOR EVOLUTION. Astrophysical Journal, 2009, 704, 1605-1615.	4.5	66
107	Hot C-rich white dwarfs: testing the DB-DQ transition through pulsations. Astronomy and Astrophysics, 2009, 506, 835-843.	5.1	11
108	Asteroseismology of hot pre-white dwarf stars: the case of the DOV stars PG 2131+066 and PG 1707+427, and the PNNV star NGC 1501. Astronomy and Astrophysics, 2009, 499, 257-266.	5.1	20

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109	Hot DQ white dwarfs: a pulsational test of the mixing scenario for their formation. Proceedings of the International Astronomical Union, 2009, 5, 370-370.	0.0	0
110	Seismological constraints on the high-gravity DOV stars PG2131+066 and PG 1707+427. Journal of Physics: Conference Series, 2009, 172, 012078.	0.4	0
111	Modeling He-rich subdwarfs through the hot-flasher scenario. Journal of Physics: Conference Series, 2009, 172, 012014.	0.4	0
112	Revisiting the theoretical DBV (V777 Her) instability strip: The MLT theory of convection. Journal of Physics: Conference Series, 2009, 172, 012075.	0.4	12
113	On the origin of white dwarfs with carbon-dominated atmospheres: the case of H1504+65. Astronomy and Astrophysics, 2009, 494, 1021-1024.	5.1	5
114	On the Fate of Extremely Low Metallicity Stars. AIP Conference Proceedings, 2008, , .	0.4	0
115	Evidence of Thin Helium Envelopes in PG 1159 Stars. Astrophysical Journal, 2008, 677, L35-L38.	4.5	17
116	Gravitational Settling of ^{22}Ne and White Dwarf Evolution. Astrophysical Journal, 2008, 677, 473-482.	4.5	49
117	Asteroseismological measurements on PG 1159-035, the prototype of the GW Virginis variable stars. Astronomy and Astrophysics, 2008, 478, 869-881.	5.1	38
118	On the systematics of asteroseismological mass determinations of PG 1159 stars. Astronomy and Astrophysics, 2008, 478, 175-180.	5.1	9
119	The pulsation modes of the pre-white dwarf PG 1159-035. Astronomy and Astrophysics, 2008, 477, 627-640.	5.1	46
120	Modeling He-rich subdwarfs through the hot-flasher scenario. Astronomy and Astrophysics, 2008, 491, 253-265.	5.1	105
121	On the robustness of H-deficient post-AGB tracks. Astronomy and Astrophysics, 2007, 470, 675-684.	5.1	13
122	The age and colors of massive white dwarf stars. Astronomy and Astrophysics, 2007, 465, 249-255.	5.1	79
123	Asteroseismological constraints on the coolest GW Virginis variable star (PG 1159-type) PG 0122+200. Astronomy and Astrophysics, 2007, 475, 619-627.	5.1	26
124	The contribution of oxygen-neon white dwarfs to the MACHO content of the Galactic halo. Astronomy and Astrophysics, 2007, 471, 151-158.	5.1	6
125	White dwarf mass distribution in the SDSS. Monthly Notices of the Royal Astronomical Society, 2007, 375, 1315-1324.	4.4	270
126	The born-again (very late thermal pulse) scenario revisited: the mass of the remnants and implications for V4334 Sgr. Monthly Notices of the Royal Astronomical Society, 2007, 380, 763-770.	4.4	31

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127	Full evolution of low-mass white dwarfs with helium and oxygen cores. Monthly Notices of the Royal Astronomical Society, 2007, 382, 779-792.	4.4	131
128	Oscillatory secular modes: the thermal micropulses. Astronomy and Astrophysics, 2007, 471, 911-923.	5.1	3
129	Asteroseismological constraints on the pulsating planetary nebula nucleus (PG1159-type) RX J2117.1+3412. Astronomy and Astrophysics, 2007, 461, 1095-1102.	5.1	30
130	Asteroseismological constraints on the pulsating planetary nebula nucleus (PG1159-type) RX J2117.1+3412. Astronomy and Astrophysics, 2007, 470, 1031-1031.	5.1	1
131	Low-mass, helium-enriched PG 1159 stars: a possible evolutionary origin and implications for their pulsational stability properties. Astronomy and Astrophysics, 2007, 467, 1175-1180.	5.1	5
132	DQ white-dwarf stars with low C abundance: possible progenitors. Astronomy and Astrophysics, 2006, 451, 147-155.	5.1	5
133	Full evolutionary models for PG1159 stars. Implications for the helium-rich O(He) stars. Astronomy and Astrophysics, 2006, 454, 845-854.	5.1	89
134	New nonadiabatic pulsation computations on full PG1159 evolutionary models: the theoretical GW Virginis instability strip revisited. Astronomy and Astrophysics, 2006, 458, 259-267.	5.1	67
135	Asteroseismic inferences on GW Virginis variable stars in the frame of new PG1159 evolutionary models. Astronomy and Astrophysics, 2006, 454, 863-881.	5.1	78
136	The gravitational wave radiation of pulsating white dwarfs revisited: the case of BPM37093 and PG1159-035. Astronomy and Astrophysics, 2006, 446, 259-266.	5.1	2
137	The gravitational wave radiation of pulsating white dwarfs. AIP Conference Proceedings, 2006, , .	0.4	0
138	New evolutionary calculations for the born again scenario. Astronomy and Astrophysics, 2006, 449, 313-326.	5.1	63
139	Mass-radius relations for massive white dwarf stars. Astronomy and Astrophysics, 2005, 441, 689-694.	5.1	63
140	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. Astronomy and Astrophysics, 2005, 435, 631-648.	5.1	168
141	On the excitation of PG1159-type pulsations. Astronomy and Astrophysics, 2005, 438, 1013-1020.	5.1	30
142	New evolutionary models for massive ZZ Ceti stars. Astronomy and Astrophysics, 2005, 429, 277-290.	5.1	30
143	Can pulsating PG1159 stars place constraints on the occurrence of core overshooting?. Astronomy and Astrophysics, 2005, 439, L31-L34.	5.1	13
144	The formation of DA white dwarfs with thin hydrogen envelopes. Astronomy and Astrophysics, 2005, 440, L1-L4.	5.1	24

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145	Evolutionary and pulsational properties of low-mass white dwarf stars with oxygen cores resulting from close binary evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 347, 125-136.	4.4	8
146	The double-layered chemical structure in DB white dwarfs. <i>Astronomy and Astrophysics</i> , 2004, 417, 1115-1123.	5.1	20
147	Mass distribution of DA white dwarfs in the First Data Release of the Sloan Digital Sky Survey. <i>Astronomy and Astrophysics</i> , 2004, 419, L5-L8.	5.1	38
148	Pulsations of massive ZZ Ceti stars with carbon/oxygen and oxygen/neon cores. <i>Astronomy and Astrophysics</i> , 2004, 427, 923-932.	5.1	24
149	The rate of period change in pulsating DB white dwarf stars. <i>Astronomy and Astrophysics</i> , 2004, 428, 159-170.	5.1	10
150	New evolutionary models for massive ZZ Ceti stars. I. First results for their pulsational properties. <i>Astronomy and Astrophysics</i> , 2003, 404, 593-609.	5.1	76
151	Diffusion in Variable DA White Dwarfs. , 2003, , 243-246.		0
152	On Mode Trapping Properties of Full DA White Dwarf Evolutionary Models. , 2003, , 261-262.		0
153	Calculation of the masses of the binary star HD 93205 by application of the theory of apsidal motion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 435-442.	4.4	14
154	Evolution of a 3-M \odot star from the main sequence to the ZZ Ceti stage: the role played by element diffusion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 685-698.	4.4	23
155	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.	4.4	14
156	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.	4.4	18
157	On mode trapping in pulsating DA white dwarf stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 480-486.	4.4	4
158	Improved synthetic spectra of helium-core white dwarf stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 335, 499-511.	4.4	37
159	Evolution and colours of helium-core white dwarf stars: the case of low-metallicity progenitors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 337, 1091-1104.	4.4	68
160	A nonadiabatic oscillation study of DB white dwarfs. <i>Astronomy and Astrophysics</i> , 2002, 382, 141-151.	5.1	22
161	The mode trapping properties of full DA white dwarf evolutionary models. <i>Astronomy and Astrophysics</i> , 2002, 387, 531-549.	5.1	35
162	New DA white dwarf evolutionary models and their pulsational properties. <i>Astronomy and Astrophysics</i> , 2001, 380, L17-L20.	5.1	20

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163	Diffusion and the occurrence of hydrogen-shell flashes in helium white dwarf stars. Monthly Notices of the Royal Astronomical Society, 2001, 323, 471-483.	4.4	93
164	The impact of element diffusion on the formation and evolution of helium white dwarf stars. Monthly Notices of the Royal Astronomical Society, 2001, 324, 617-622.	4.4	39
165	The ages and colours of cool helium-core white dwarf stars. Monthly Notices of the Royal Astronomical Society, 2001, 325, 607-616.	4.4	70
166	The potential of the variable DA white dwarf G117?B15A as a tool for fundamental physics. New Astronomy, 2001, 6, 197-213.	1.8	66
167	Formation and Evolution of a $0.242M_{\odot}$ Helium White Dwarf in the Presence of Element Diffusion. Astrophysical Journal, 2001, 554, 1110-1117.	4.5	19
168	The evolution of iron-core white dwarfs. Monthly Notices of the Royal Astronomical Society, 2000, 312, 531-539.	4.4	13
169	Diffusion in helium white dwarf stars. Monthly Notices of the Royal Astronomical Society, 2000, 317, 952-964.	4.4	28
170	Grids of white dwarf evolutionary models with masses from $M = 0.1$ to $1.2 M_{\odot}$. Monthly Notices of the Royal Astronomical Society, 1999, 303, 30-38.	4.4	90
171	Evolution of white dwarfs as a probe of theories of gravitation: the case of Brans"Dicke. Monthly Notices of the Royal Astronomical Society, 1999, 305, 905-919.	4.4	20
172	Evolution of helium white dwarfs with hydrogen envelopes. Monthly Notices of the Royal Astronomical Society, 1998, 293, 177-188.	4.4	28
173	New theories of convection in the context of a recent analysis of the DBV white dwarf GD 358. Monthly Notices of the Royal Astronomical Society, 1997, 288, L35-L38.	4.4	3
174	DB white dwarf evolution in the frame of the full spectrum turbulence theory. Monthly Notices of the Royal Astronomical Society, 1997, 288, 1004-1014.	4.4	18
175	Evolution of Helium White Dwarfs of Low and Intermediate Masses. Astrophysical Journal, 1997, 477, 313-334.	4.5	68
176	Evolution of DB white dwarfs in the Canuto and Mazzitelli theory of convection. Monthly Notices of the Royal Astronomical Society, 1996, 278, 981-984.	4.4	10
177	Luminosity evolution of strange dwarf stars. Physical Review D, 1996, 53, 635-638.	4.7	5
178	The Structure and Thermal Evolution of Strange Dwarf Stars. Astrophysical Journal, 1996, 462, 364.	4.5	12
179	White dwarf evolution and crystallization. Astrophysics and Space Science, 1995, 234, 11-25.	1.4	1