

J J Hermes

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

2,864
citations

147801

31
h-index

206112

48
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95
all docs

95
docs citations

95
times ranked

1895
citing authors

#	ARTICLE	IF	CITATIONS
1	Relentless and complex transits from a planetesimal debris disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1647-1666.	4.4	16
2	Discovery of 74 new bright ZZ Ceti stars in the first three years of <i>TESS</i>. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1574-1590.	4.4	14
3	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.	4.7	22
4	Searching for TESS Photometric Variability of Possible JWST Spectrophotometric Standard Stars. <i>Astronomical Journal</i> , 2022, 163, 136.	4.7	8
5	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2022, 659, A30.	5.1	7
6	The Pulsating Helium-atmosphere White Dwarfs. I. New DBVs from the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2022, 927, 158.	4.5	4
7	New Variable Hot Subdwarf Stars Identified from Anomalous Gaia Flux Errors, Observed by TESS, and Classified via Fourier Diagnostics. <i>Astrophysical Journal</i> , 2022, 928, 20.	4.5	10
8	The SNâ€™a runaway LPâ€™398-9: detection of circumstellar material and surface rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 6122-6133.	4.4	4
9	Circular polarimetry of suspect wind-accreting magnetic pre-polars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3858-3870.	4.4	4
10	NGTS and <i>HST</i> insights into the long-period modulation in GWâ€™Librae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 581-588.	4.4	3
11	A test of the planetâ€™star unipolar inductor for magnetic white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3743-3758.	4.4	9
12	Year 1 of the ZTF high-cadence Galactic plane survey: strategy, goals, and early results on new single-mode hot subdwarf B-star pulsators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1254-1267.	4.4	27
13	I Spy Transits and Pulsations: Empirical Variability in White Dwarfs Using Gaia and the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2021, 912, 125.	4.5	60
14	8.9 hr Rotation in the Partly Burnt Runaway Stellar Remnant LP 40-365 (GD 492). <i>Astrophysical Journal Letters</i> , 2021, 914, L3.	8.3	7
15	Collisions in a gas-rich white dwarf planetary debris disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 432-440.	4.4	11
16	Looking into the cradle of the grave: J22564â€™5910, a potential young post-merger hot subdwarf. <i>Astronomy and Astrophysics</i> , 2021, 655, A43.	5.1	7
17	Recurring Planetary Debris Transits and Circumstellar Gas around White Dwarf ZTF J0328â€™1219. <i>Astrophysical Journal</i> , 2021, 917, 41.	4.5	24
18	Discovery of a young pre-intermediate polar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 561-574.	4.4	7

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19	The Pulsating White Dwarf G117-B15A: Still the Most Stable Optical Clock Known. <i>Astrophysical Journal</i> , 2021, 906, 7.	4.5	12
20	Velocity-imaging the rapidly precessing planetary disc around the white dwarf HE 1349-2305 using Doppler tomography. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5657-5670.	4.4	2
21	Unexpected Short-period Variability in Dwarf Carbon Stars from the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2021, 922, 33.	4.5	4
22	EPIC 228782059: Asteroseismology of What Could Be the Coolest Pulsating Helium-atmosphere White Dwarf (DBV) Known. <i>Astrophysical Journal</i> , 2021, 922, 2.	4.5	9
23	A 99 minute Double-lined White Dwarf Binary from SDSS-V. <i>Astrophysical Journal</i> , 2021, 921, 160.	4.5	10
24	Discovery, TESS Characterization, and Modeling of Pulsations in the Extremely Low-mass White Dwarf GD 278. <i>Astrophysical Journal</i> , 2021, 922, 220.	4.5	3
25	Masses of White Dwarf Binary Companions to Type Ia Supernovae Measured from Runaway Velocities. <i>Astrophysical Journal Letters</i> , 2021, 923, L34.	8.3	11
26	WD1032+011, an inflated brown dwarf in an old eclipsing binary with a white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3571-3580.	4.4	23
27	<i>Gaia</i> white dwarfs within 40 pc. I. Spectroscopic observations of new candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 130-145.	4.4	45
28	A Volume-limited Sample of Cataclysmic Variables from Gaia DR2: Space Density and Population Properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3799-3827.	4.4	99
29	An Isolated White Dwarf with 317 s Rotation and Magnetic Emission. <i>Astrophysical Journal</i> , 2020, 894, 19.	4.5	25
30	Very regular high-frequency pulsation modes in young intermediate-mass stars. <i>Nature</i> , 2020, 581, 147-151.	27.8	69
31	The First Ultracompact Roche Lobe-Filling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , 2020, 891, 45.	4.5	47
32	Limits on Mode Coherence in Pulsating DA White Dwarfs Due to a Nonstatic Convection Zone. <i>Astrophysical Journal</i> , 2020, 890, 11.	4.5	15
33	A pulsating white dwarf in an eclipsing binary. <i>Nature Astronomy</i> , 2020, 4, 690-696.	10.1	18
34	The ELM Survey. VIII. Ninety-eight Double White Dwarf Binaries. <i>Astrophysical Journal</i> , 2020, 889, 49.	4.5	66
35	Constraining planet formation around 6-8 M _J stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 765-775.	4.4	12
36	TESS first look at evolved compact pulsators. <i>Astronomy and Astrophysics</i> , 2020, 638, A82.	5.1	17

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37	PHL 417: a zirconium-rich pulsating hot subdwarf (V366 Aquarid) discovered in <i>K2</i> data. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3738-3748.	4.4	8
38	A White Dwarf with Transiting Circumstellar Material Far outside the Roche Limit. Astrophysical Journal, 2020, 897, 171.	4.5	68
39	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. Astrophysical Journal, 2020, 905, 32.	4.5	62
40	Five New Post-main-sequence Debris Disks with Gaseous Emission. Astrophysical Journal, 2020, 905, 5.	4.5	24
41	Optical Detection of the 1.1 day Variability at the White Dwarf GD 394 with TESS. Astrophysical Journal Letters, 2020, 897, L31.	8.3	6
42	A New Class of Roche Lobe-filling Hot Subdwarf Binaries. Astrophysical Journal Letters, 2020, 898, L25.	8.3	33
43	Partly burnt runaway stellar remnants from peculiar thermonuclear supernovae. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1489-1508.	4.4	38
44	The plunging pirouette of two low-mass stars. Nature Astronomy, 2019, 3, 690-691.	10.1	0
45	Detections and constraints on white dwarf variability from time-series GALEX observations. Monthly Notices of the Royal Astronomical Society, 2019, 486, 4574-4589.	4.4	21
46	A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. Astrophysical Journal Letters, 2019, 878, L35.	8.3	32
47	Evidence for mass accretion driven by spiral shocks onto the white dwarf in SDSS J123813.73+033933.0. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1080-1103.	4.4	17
48	TESS first look at evolved compact pulsators. Astronomy and Astrophysics, 2019, 632, A42.	5.1	22
49	TESS first look at evolved compact pulsators. Astronomy and Astrophysics, 2019, 632, A90.	5.1	22
50	Discovery of the first resolved triple white dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 483, 901-907.	4.4	14
51	Core crystallization and pile-up in the cooling sequence of evolving white dwarfs. Nature, 2019, 565, 202-205.	27.8	97
52	Rapid Evolution of the Gaseous Exoplanetary Debris around the White Dwarf Star HE 1349-2305. Astrophysical Journal, 2018, 854, 40.	4.5	38
53	Spectroscopic and Photometric Analysis of the HW Vir Star PTF1 J011339.09+225739.1. Open Astronomy, 2018, 27, 80-90.	0.6	5
54	The McDonald Observatory search for pulsating sdA stars. Astronomy and Astrophysics, 2018, 617, A6.	5.1	11

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55	Anatomy of the hyper-runaway star LP 40-365 with <i>Gaia</i>. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 479, L96-L101.	3.3	29
56	Further Insight on the Hypervelocity White Dwarf, LP 40-365 (GD 492): A Nearby Emissary from a Single-degenerate Type Ia Supernova. Astrophysical Journal, 2018, 858, 3.	4.5	25
57	High-speed photometry of Gaia 14aae: an eclipsing AM CVn that challenges formation models. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1663-1679.	4.4	28
58	The scatter of the M dwarf mass-radius relationship. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1083-1096.	4.4	68
59	The first sub-70-min non-interacting WD-BD system: EPIC212235321. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1405-1411.	4.4	24
60	A refined search for pulsations in white dwarf companions to millisecond pulsars... Monthly Notices of the Royal Astronomical Society, 2018, 479, 1267-1272.	4.4	43
61	Searching for new white dwarf pulsators for TESS observations at Konkoly Observatory. Monthly Notices of the Royal Astronomical Society, 2018, 478, 2676-2685.	4.4	6
62	Evidence from K2 for Rapid Rotation in the Descendant of an Intermediate-mass Star. Astrophysical Journal Letters, 2017, 841, L2.	8.3	24
63	White Dwarf Rotation as a Function of Mass and a Dichotomy of Mode Line Widths: <i>Kepler</i> Observations of 27 Pulsating DA White Dwarfs through <i>K2</i> Campaign 8. Astrophysical Journal, Supplement Series, 2017, 232, 23.	7.7	128
64	A Deep Test of Radial Differential Rotation in a Helium-atmosphere White Dwarf. I. Discovery of Pulsations in PG 0112+104. Astrophysical Journal, 2017, 835, 277.	4.5	31
65	Pruning The ELM Survey: Characterizing Candidate Low-mass White Dwarfs through Photometric Variability. Astrophysical Journal, 2017, 835, 180.	4.5	31
66	Two white dwarfs in ultrashort binaries with detached, eclipsing, likely sub-stellar companions detected by K2. Monthly Notices of the Royal Astronomical Society, 2017, 471, 976-986.	4.4	35
67	Testing the white dwarf mass-radius relationship with eclipsing binaries. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4473-4492.	4.4	68
68	Multiband photometry and spectroscopy of an all-sky sample of bright white dwarfs. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4173-4192.	4.4	20
69	Using large spectroscopic surveys to test the double degenerate model for Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2910-2922.	4.4	21
70	When flux standards go wild: white dwarfs in the age of Kepler. Monthly Notices of the Royal Astronomical Society, 2017, 468, 1946-1952.	4.4	26
71	Destroying Aliases from the Ground and Space: Super-Nyquist ZZ Ceti in K2 Long Cadence Data. Astrophysical Journal, 2017, 851, 24.	4.5	15
72	3D MODEL ATMOSPHERES FOR EXTREMELY LOW-MASS WHITE DWARFS. Astrophysical Journal, 2015, 809, 148.	4.5	60

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73	A DARK SPOT ON A MASSIVE WHITE DWARF. <i>Astrophysical Journal Letters</i> , 2015, 814, L31.	8.3	24
74	Insights into internal effects of common-envelope evolution using the extended Kepler mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 1701-1712.	4.4	24
75	PSR J1738+0333: the first millisecond pulsar + pulsating white dwarf binary. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 446, L26-L30.	3.3	40
76	A double white dwarf with a paradoxical origin?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 3966-3974.	4.4	19
77	Discovery of ZZ Ceti in detached white dwarf plus main-sequence binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 691-697.	4.4	14
78	Likely detection of water-rich asteroid debris in a metal-polluted white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2083-2093.	4.4	85
79	Heavy metals in a light white dwarf: abundances of the metal-rich, extremely low-mass GALEX J1717+6757. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1674-1682.	4.4	22
80	KIC 11911480: the second ZZ Ceti in the Kepler field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3086-3092.	4.4	35
81	SDSS J074511.56+194926.5: DISCOVERY OF A METAL-RICH AND TIDALLY DISTORTED EXTREMELY LOW MASS WHITE DWARF. <i>Astrophysical Journal</i> , 2014, 781, 104.	4.5	23
82	SEVEN-PERIOD ASTEROSEISMIC FIT OF THE KEPLER DBV. <i>Astrophysical Journal</i> , 2014, 794, 39.	4.5	34
83	PRECISE ATMOSPHERIC PARAMETERS FOR THE SHORTEST-PERIOD BINARY WHITE DWARFS: GRAVITATIONAL WAVES, METALS, AND PULSATIONS. <i>Astrophysical Journal</i> , 2014, 794, 35.	4.5	63
84	RADIUS CONSTRAINTS FROM HIGH-SPEED PHOTOMETRY OF 20 LOW-MASS WHITE DWARF BINARIES. <i>Astrophysical Journal</i> , 2014, 792, 39.	4.5	33
85	A new gravitational wave verification source. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 444, L1-L5.	3.3	41
86	A new class of pulsating white dwarf of extremely low mass: the fourth and fifth members. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 3573-3580.	4.4	67
87	DISCOVERY OF PULSATIONS, INCLUDING POSSIBLE PRESSURE MODES, IN TWO NEW EXTREMELY LOW MASS, He-CORE WHITE DWARFS. <i>Astrophysical Journal</i> , 2013, 765, 102.	4.5	65
88	RAPID ORBITAL DECAY IN THE 12.75-MINUTE BINARY WHITE DWARF J0651+2844. <i>Astrophysical Journal Letters</i> , 2012, 757, L21.	8.3	87
89	The seismic properties of low-mass He-core white dwarf stars. <i>Astronomy and Astrophysics</i> , 2012, 547, A96.	5.1	32
90	Orbital properties of an unusually low-mass sdB star in a close binary system with a white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 1752-1761.	4.4	24

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91	SDSS J184037.78+642312.3: THE FIRST PULSATING EXTREMELY LOW MASS WHITE DWARF. <i>Astrophysical Journal Letters</i> , 2012, 750, L28.	8.3	66
92	A 12 MINUTE ORBITAL PERIOD DETACHED WHITE DWARF ECLIPSING BINARY. <i>Astrophysical Journal Letters</i> , 2011, 737, L23.	8.3	121
93	Return of Pulsations in SDSS 0745+4538. , 2010, , .		0
94	A 15.7-Minute AMÂCVn Binary Discovered in K2. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	14