

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
g-index

95
all docs

95
docs citations

95
times ranked

1895
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 23.	7.7	128
2	A 12 MINUTE ORBITAL PERIOD DETACHED WHITE DWARF ECLIPSING BINARY. <i>Astrophysical Journal Letters</i> , 2011, 737, L23.	8.3	121
3	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
4	Core crystallization and pile-up in the cooling sequence of evolving white dwarfs. <i>Nature</i> , 2019, 565, 202-205.	27.8	97
5	RAPID ORBITAL DECAY IN THE 12.75-MINUTE BINARY WHITE DWARF J0651+2844. <i>Astrophysical Journal Letters</i> , 2012, 757, L21.	8.3	87
6	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
7	Very regular high-frequency pulsation modes in young intermediate-mass stars. <i>Nature</i> , 2020, 581, 147-151.	27.8	69
8	Testing the white dwarf mass–radius relationship with eclipsing binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4473-4492.	4.4	68
9	The scatter of the M dwarf mass–radius relationship. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1083-1096.	4.4	68
10	A White Dwarf with Transiting Circumstellar Material Far outside the Roche Limit. <i>Astrophysical Journal</i> , 2020, 897, 171.	4.5	68
11	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
12	The ELM Survey. VIII. Ninety-eight Double White Dwarf Binaries. <i>Astrophysical Journal</i> , 2020, 889, 49.	4.5	66
13	SDSS J184037.78+642312.3: THE FIRST PULSATING EXTREMELY LOW MASS WHITE DWARF. <i>Astrophysical Journal Letters</i> , 2012, 750, L28.	8.3	66
14	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
15	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
16	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. <i>Astrophysical Journal</i> , 2020, 905, 32.	4.5	62
17	3D MODEL ATMOSPHERES FOR EXTREMELY LOW-MASS WHITE DWARFS. <i>Astrophysical Journal</i> , 2015, 809, 148.	4.5	60
18	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

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19	The First Ultracompact Roche Lobeâ€“Filling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , 2020, 891, 45.	4.5	47
20	<i>Gaia</i> white dwarfs within 40â€“pc â€“ I. Spectroscopic observations of new candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 130-145.	4.4	45
21	A refined search for pulsations in white dwarf companions to millisecond pulsarsâ€“.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 479, 1267-1272.	4.4	43
22	A new gravitational wave verification source. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 444, L1-L5.	3.3	41
23	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
24	Rapid Evolution of the Gaseous Exoplanetary Debris around the White Dwarf Star HE 1349â€“2305. <i>Astrophysical Journal</i> , 2018, 854, 40.	4.5	38
25	Partly burnt runaway stellar remnants from peculiar thermonuclear supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1489-1508.	4.4	38
26	KIC11911480: the second ZZâ€“Ceti in the Kepler field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3086-3092.	4.4	35
27	Two white dwarfs in ultrashort binaries with detached, eclipsing, likely sub-stellar companions detected by K2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 976-986.	4.4	35
28	SEVEN-PERIOD ASTEROSEISMIC FIT OF THE <i>KEPLER</i> DBV. <i>Astrophysical Journal</i> , 2014, 794, 39.	4.5	34
29	RADIUS CONSTRAINTS FROM HIGH-SPEED PHOTOMETRY OF 20 LOW-MASS WHITE DWARF BINARIES. <i>Astrophysical Journal</i> , 2014, 792, 39.	4.5	33
30	A New Class of Roche Lobeâ€“filling Hot Subdwarf Binaries. <i>Astrophysical Journal Letters</i> , 2020, 898, L25.	8.3	33
31	The seismic properties of low-mass He-core white dwarf stars. <i>Astronomy and Astrophysics</i> , 2012, 547, A96.	5.1	32
32	A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. <i>Astrophysical Journal Letters</i> , 2019, 878, L35.	8.3	32
33	A Deep Test of Radial Differential Rotation in a Helium-atmosphere White Dwarf.I. Discovery of Pulsations in PG 0112+104. <i>Astrophysical Journal</i> , 2017, 835, 277.	4.5	31
34	Pruning The ELM Survey: Characterizing Candidate Low-mass White Dwarfs through Photometric Variability. <i>Astrophysical Journal</i> , 2017, 835, 180.	4.5	31
35	Anatomy of the hyper-runaway star LPâ€“40â€“365 with <i>Gaia</i>. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 479, L96-L101.	3.3	29
36	High-speed photometry of Gaia14aae: an eclipsing AMâ€“CVn that challenges formation models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1663-1679.	4.4	28

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37	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
38	When flux standards go wild: white dwarfs in the age of Kepler. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 1946-1952.	4.4	26
39	Further Insight on the Hypervelocity White Dwarf, LP 40â€™365 (GD 492): A Nearby Emissary from a Single-degenerate Type Ia Supernova. <i>Astrophysical Journal</i> , 2018, 858, 3.	4.5	25
40	An Isolated White Dwarf with 317 s Rotation and Magnetic Emission. <i>Astrophysical Journal</i> , 2020, 894, 19.	4.5	25
41	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
42	A DARK SPOT ON A MASSIVE WHITE DWARF. <i>Astrophysical Journal Letters</i> , 2015, 814, L31.	8.3	24
43	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
44	Evidence from K2 for Rapid Rotation in the Descendant of an Intermediate-mass Star. <i>Astrophysical Journal Letters</i> , 2017, 841, L2.	8.3	24
45	The first sub-70â€™min non-interacting WDâ€™BD system: EPIC212235321. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1405-1411.	4.4	24
46	Recurring Planetary Debris Transits and Circumstellar Gas around White Dwarf ZTF J0328â€™1219. <i>Astrophysical Journal</i> , 2021, 917, 41.	4.5	24
47	Five New Post-main-sequence Debris Disks with Gaseous Emission. <i>Astrophysical Journal</i> , 2020, 905, 5.	4.5	24
48	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
49	WD1032â€™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
50	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
51	TESS first look at evolved compact pulsators. <i>Astronomy and Astrophysics</i> , 2019, 632, A42.	5.1	22
52	TESS first look at evolved compact pulsators. <i>Astronomy and Astrophysics</i> , 2019, 632, A90.	5.1	22
53	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of Î€ Men c. <i>Astronomical Journal</i> , 2022, 163, 79.	4.7	22
54	Using large spectroscopic surveys to test the double degenerate model for Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 2910-2922.	4.4	21

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55	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
56	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
57	A double white dwarf with a paradoxical origin?. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3966-3974.	4.4	19
58	A pulsating white dwarf in an eclipsing binary. Nature Astronomy, 2020, 4, 690-696.	10.1	18
59	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
60	TESS first look at evolved compact pulsators. Astronomy and Astrophysics, 2020, 638, A82.	5.1	17
61	Relentless and complex transits from a planetesimal debris disc. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1647-1666.	4.4	16
62	Destroying Aliases from the Ground and Space: Super-Nyquist ZZ Ceti in K2 Long Cadence Data. Astrophysical Journal, 2017, 851, 24.	4.5	15
63	Limits on Mode Coherence in Pulsating DA White Dwarfs Due to a Nonstatic Convection Zone. Astrophysical Journal, 2020, 890, 11.	4.5	15
64	Discovery of ZZ Ceti in detached white dwarf plus main-sequence binaries. Monthly Notices of the Royal Astronomical Society, 2015, 447, 691-697.	4.4	14
65	A 15.7-Minute AM CVn Binary Discovered in K2. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	14
66	Discovery of the first resolved triple white dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 483, 901-907.	4.4	14
67	Discovery of 74 new bright ZZ Ceti stars in the first three years of <i>TESS</i>. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1574-1590.	4.4	14
68	Constraining planet formation around 6-8 M _J stars. Monthly Notices of the Royal Astronomical Society, 2020, 493, 765-775.	4.4	12
69	The Pulsating White Dwarf G117-B15A: Still the Most Stable Optical Clock Known. Astrophysical Journal, 2021, 906, 7.	4.5	12
70	The McDonald Observatory search for pulsating sdA stars. Astronomy and Astrophysics, 2018, 617, A6.	5.1	11
71	Collisions in a gas-rich white dwarf planetary debris disc. Monthly Notices of the Royal Astronomical Society, 2021, 506, 432-440.	4.4	11
72	Masses of White Dwarf Binary Companions to Type Ia Supernovae Measured from Runaway Velocities. Astrophysical Journal Letters, 2021, 923, L34.	8.3	11

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73	A 99 minute Double-lined White Dwarf Binary from SDSS-V. <i>Astrophysical Journal</i> , 2021, 921, 160.	4.5	10
74	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
75	A test of the planet-star unipolar inductor for magnetic white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3743-3758.	4.4	9
76	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
77	PHL 417: a zirconium-rich pulsating hot subdwarf (V366 Aquarid) discovered in <i>K2</i> data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3738-3748.	4.4	8
78	Searching for TESS Photometric Variability of Possible JWST Spectrophotometric Standard Stars. <i>Astronomical Journal</i> , 2022, 163, 136.	4.7	8
79	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
80	Looking into the cradle of the grave: J22564-5910, a potential young post-merger hot subdwarf. <i>Astronomy and Astrophysics</i> , 2021, 655, A43.	5.1	7
81	Discovery of a young pre-intermediate polar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 561-574.	4.4	7
82	Pulsating hydrogen-deficient white dwarfs and pre-white dwarfs observed with TESS. <i>Astronomy and Astrophysics</i> , 2022, 659, A30.	5.1	7
83	Searching for new white dwarf pulsators for TESS observations at Konkoly Observatory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2676-2685.	4.4	6
84	Optical Detection of the 1.1 day Variability at the White Dwarf GD 394 with TESS. <i>Astrophysical Journal Letters</i> , 2020, 897, L31.	8.3	6
85	Spectroscopic and Photometric Analysis of the HW Vir Star PTF1 J011339.09+225739.1. <i>Open Astronomy</i> , 2018, 27, 80-90.	0.6	5
86	Unexpected Short-period Variability in Dwarf Carbon Stars from the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2021, 922, 33.	4.5	4
87	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
88	The SN Ia runaway LP 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
89	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
90	NGTS and <i>HST</i> insights into the long-period modulation in GW Librae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 581-588.	4.4	3

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91	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
92	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
93	Return of Pulsations in SDSS 0745+4538. , 2010, , .		0
94	The plunging pirouette of two low-mass stars. <i>Nature Astronomy</i> , 2019, 3, 690-691.	10.1	0