

# ElmÃ© Breedt

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

5,478  
citations

136950

32  
h-index

91884

69  
g-index

75  
all docs

75  
docs citations

75  
times ranked

5151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining the evolution of cataclysmic variables via the masses and accretion rates of their underlying white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 6110-6132.	4.4	43
2	Localized thermonuclear bursts from accreting magnetic white dwarfs. <i>Nature</i> , 2022, 604, 447-450.	27.8	10
3	Characterizing eclipsing white dwarf M dwarf binaries from multiband eclipse photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3050-3064.	4.4	6
4	Magnetic white dwarfs in post-common-envelope binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4305-4327.	4.4	20
5	Towards a volumetric census of close white dwarf binaries – I. Reference samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 2420-2442.	4.4	22
6	On the multiwavelength variability of Mrk 110: two components acting at different time-scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4337-4353.	4.4	37
7	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 649, A1.	5.1	2,429
8	HiPERCAM: a quintuple-beam, high-speed optical imager on the 10.4-m Gran Telescopio Canarias. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 350-366.	4.4	30
9	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 652, A76.	5.1	54
10	Optical detection of the rapidly spinning white dwarf in V1460 Her. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 6132-6139.	4.4	3
11	System parameters of three short-period cataclysmic variable stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5086-5101.	4.4	3
12	Eclipsing white dwarf binaries in <i>Gaia</i> and the Zwicky Transient Facility. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 4171-4188.	4.4	10
13	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
14	V1460 Her: a fast spinning white dwarf accreting from an evolved donor star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 149-160.	4.4	17
15	Electromagnetic counterparts to gravitational wave events from <i>Gaia</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3264-3273.	4.4	4
16	A pulsating white dwarf in an eclipsing binary. <i>Nature Astronomy</i> , 2020, 4, 690-696.	10.1	18
17	Spectroscopic and photometric periods of six ultracompact accreting binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1243-1261.	4.4	18
18	The frequency of gaseous debris discs around white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2127-2139.	4.4	42

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19	Gaia 18dvy: A New FUor in the Cygnus OB3 Association. <i>Astrophysical Journal</i> , 2020, 899, 130.	4.5	30
20	Periodicities in the $K_2$ light curve of HP Librae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1222-1230.	4.4	2
21	The evolutionary status of Cataclysmic Variables: eclipse modelling of 15 systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 5535-5551.	4.4	43
22	Phase-resolved spectroscopy of Gaia 14aae: line emission from near the white dwarf surface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1947-1960.	4.4	9
23	Evidence for mass accretion driven by spiral shocks onto the white dwarf in SDSS J123813.73+033933.0. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1080-1103.	4.4	17
24	The Gaia/IPHAS and Gaia/KIS value-added catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3357-3369.	4.4	9
25	Physical properties of AM CVn stars: New insights from Gaia DR2. <i>Astronomy and Astrophysics</i> , 2018, 620, A141.	5.1	60
26	High-speed photometry of Gaia 14aae: an eclipsing AM CVn that challenges formation models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1663-1679.	4.4	28
27	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
28	X-ray/UV/optical variability of NGC 4593 with Swift: reprocessing of X-rays by an extended reprocessor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2881-2897.	4.4	80
29	Using Gaussian processes to model light curves in the presence of flickering: the eclipsing cataclysmic variable ASASSN-14ag. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 1353-1364.	4.4	18
30	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
31	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
32	Gaia Alerts - An All-Sky Transient Survey. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 12-15.	0.0	0
33	Symposium 339: Summary. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 355-358.	0.0	0
34	Hunting for eclipses: high-speed observations of cataclysmic variables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 4968-4984.	4.4	24
35	SDSS J105754.25+275947.5: a period-bounce eclipsing cataclysmic variable with the lowest-mass donor yet measured. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 1024-1032.	4.4	21
36	Long-term eclipse timing of white dwarf binaries: an observational hint of a magnetic mechanism at work. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3873-3887.	4.4	41

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37	A radio-pulsing white dwarf binary star. <i>Nature</i> , 2016, 537, 374-377.	27.8	117
38	<i>Kepler K2</i> observations of the intermediate polar FO Aquarii. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3622-3628.	4.4	15
39	CW Librae: a unique laboratory for pulsations in an accreting white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3929-3938.	4.4	15
40	Doppler imaging of the planetary debris disc at the white dwarf SDSS J122859.93+104032.9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4467-4478.	4.4	102
41	The composition of a disrupted extrasolar planetesimal at SDSS J0845+2257 (Ton 345). <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3237-3248.	4.4	93
42	Total eclipse of the heart: the AM CVn Gaia14aae/ASSASN-14cn. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1060-1067.	4.4	32
43	14 new eclipsing white dwarf plus main-sequence binaries from the SDSS and Catalina surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 2194-2204.	4.4	30
44	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
45	PHL 1445: an eclipsing cataclysmic variable with a substellar donor near the period minimum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 114-125.	4.4	16
46	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
47	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
48	Two new AM Canum Venaticorum binaries from the Sloan Digital Sky Survey III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 2848-2853.	4.4	18
49	Variable emission from a gaseous disc around a metal-polluted white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 1878-1884.	4.4	72
50	The substellar companion in the eclipsing white dwarf binary SDSS J141126.20+200911.1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2106-2115.	4.4	43
51	PROPERTIES OF AN ECLIPSING DOUBLE WHITE DWARF BINARY NLTT 11748. <i>Astrophysical Journal</i> , 2014, 780, 167.	4.5	27
52	The planets around NN Serpentis: still thereâ.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 475-488.	4.4	97
53	Swift monitoring of NGC 5548: X-ray reprocessing and short-term UV/optical variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 1469-1474.	4.4	115
54	EL CVn-type binaries - discovery of 17 helium white dwarf precursors in bright eclipsing binary star systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1681-1697.	4.4	85

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55	1000 cataclysmic variables from the Catalina Real-time Transient Survey. Monthly Notices of the Royal Astronomical Society, 2014, 443, 3174-3207.	4.4	54
56	Timing variations in the secondary eclipse of NN Ser. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 438, L91-L95.	3.3	52
57	The unseen population of F- to K-type companions to hot subdwarf stars. Monthly Notices of the Royal Astronomical Society, 2012, 425, 1013-1041.	4.4	13
58	CSS100603:112253âˆ’111037: a helium-rich dwarf nova with a 65â€‰min orbital period. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2548-2556.	4.4	40
59	Post-common envelope binaries from SDSS - XV. Accurate stellar parameters for a cool 0.4â€‰M <sub>âˆž</sub> white dwarf and a 0.16â€‰M <sub>âˆž</sub> M dwarf in a 3â€‰h eclipsing binary. Monthly Notices of the Royal Astronomical Society, 2012, 419, 817-826.	4.4	55
60	AJ-band detection of the donor star in the dwarf nova OY Carinae and an optical detection of its â€‰iron curtainâ€™. Monthly Notices of the Royal Astronomical Society, 2012, , no-no.	4.4	5
61	A trio of metal-rich dust and gas discs found orbiting candidate white dwarfs with <i>K</i> -band excess. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1635-1643.	4.4	94
62	Correlated X-ray/ultraviolet/optical variability in the very low mass AGN NGCâ€‰4395. Monthly Notices of the Royal Astronomical Society, 2012, 422, 902-912.	4.4	43
63	The evolutionary state of short-period magnetic white dwarf binaries. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1437-1449.	4.4	21
64	The chemical diversity of exo-terrestrial planetary debris around white dwarfs. Monthly Notices of the Royal Astronomical Society, 2012, 424, 333-347.	4.4	242
65	Optical and near-IR long-term monitoring of NGC 3783 and MR 2251âˆ’178: evidence for variable near-IR emission from thin accretion discs. Monthly Notices of the Royal Astronomical Society, 2011, 415, 1290-1303.	4.4	48
66	The Orbital Period Distribution of Cataclysmic Variables Found by the SDSS. Proceedings of the International Astronomical Union, 2011, 7, 123-124.	0.0	2
67	Radio and X-ray variability in the Seyfert galaxy NGC 4051. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2641-2652.	4.4	24
68	A long-term optical-X-ray correlation in 4U 1957+11. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2671-2681.	4.4	17
69	Long-term optical and X-ray variability of the Seyfert galaxy Markarian 79. Monthly Notices of the Royal Astronomical Society, 2009, 394, 427-437.	4.4	89
70	Correlation and time delays of the X-ray and optical emission of the Seyfert Galaxy NGC 3783. Monthly Notices of the Royal Astronomical Society, 2009, 397, 2004-2014.	4.4	82
71	X-Ray, Optical, and Near-IR Long-Term Monitoring of AGN. Proceedings of the International Astronomical Union, 2009, 5, 90-95.	0.0	0
72	Correlated X-ray/optical variability in the quasar MRâ€‰2251âˆ’178. Monthly Notices of the Royal Astronomical Society, 2008, 389, 1479-1488.	4.4	97

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73	Twelve years of X-ray and optical variability in the Seyfert galaxy NGC 4051. Monthly Notices of the Royal Astronomical Society, 0, 403, 605-619.	4.4	72
74	The remarkable outburst of the highly-evolved post period-minimum dwarf nova SSS J122221.7â~311525. Monthly Notices of the Royal Astronomical Society, 0, , stx084.	4.4	12
75	A 15.7-Minute AMâCVn Binary Discovered in K2. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	14