

# Steven G Parsons

## List of Publications by Year in descending order

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87  
papers

3,225  
citations

126907

33  
h-index

189892

50  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2255  
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	The white dwarf binary pathways survey â€“ VII. Evidence for a bi-modal distribution of post-mass transfer systems?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2625-2635.	4.4	8
3	The white dwarf binary pathways survey â€“ VI. Two close post-common envelope binaries with <i>TESS</i> light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1843-1856.	4.4	13
4	The post-common-envelope binary central star of the planetary nebula OuÂ5: a doubly eclipsing post-red-giant-branch system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3102-3110.	4.4	8
5	Magnetic dynamos in white dwarfs â€“ III. Explaining the occurrence of strong magnetic fields in close double white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3090-3103.	4.4	13
6	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
7	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
8	Magnetic white dwarfs in post-common-envelope binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4305-4327.	4.4	20
9	The origin and evolution of magnetic white dwarfs in close binary stars. <i>Nature Astronomy</i> , 2021, 5, 648-654.	10.1	52
10	Magnetic dynamos in white dwarfs â€“ II. Relating magnetism and pollution. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 506, L29-L34.	3.3	15
11	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
12	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
13	Breaking the Degeneracy in Magnetic Cataclysmic Variable X-Ray Spectral Modeling Using X-Ray Light Curves. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 45.	7.7	5
14	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
15	Uncovering the chemical structure of the pulsating low-mass white dwarf SDSS J115219.99+024814.4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 858-869.	4.4	5
16	WD1032Â+Â011, 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
17	The dust never settles: collisional production of gas and dust in evolved planetary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 5233-5242.	4.4	22
18	Most ELâ€%CVn systems are inner binaries of hierarchical triples. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 499, L121-L125.	3.3	8

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19	<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
20	The White Dwarf Binary Pathways Survey III. Contamination from hierarchical triples containing a white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 915-922.	4.4	8
21	A pulsating white dwarf in an eclipsing binary. <i>Nature Astronomy</i> , 2020, 4, 690-696.	10.1	18
22	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
23	The White Dwarf Binary Pathways Survey IV. Three close white dwarf binaries with G-type secondary stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1677-1689.	4.4	23
24	The White Dwarf Binary Pathways Survey. V. The <i>Gaia</i> White Dwarf Plus AFGK Binary Sample and the Identification of 23 Close Binaries. <i>Astrophysical Journal</i> , 2020, 905, 38.	4.5	12
25	Interpretation and diversity of exoplanetary material orbiting white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 202-218.	4.4	51
26	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
27	Accurate mass and radius determinations of a cool subdwarf in an eclipsing binary. <i>Nature Astronomy</i> , 2019, 3, 553-560.	10.1	14
28	A planetesimal orbiting within the debris disc around a white dwarf star. <i>Science</i> , 2019, 364, 66-69.	12.6	131
29	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
30	Composite hot subdwarf binaries. I. The spectroscopically confirmed sdB sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 693-709.	4.4	31
31	Evidence for Eccentric, Precessing Gaseous Debris in the Circumstellar Absorption toward WD 1145+017. <i>Astrophysical Journal Letters</i> , 2018, 852, L22.	8.3	35
32	Pulsations and eclipse-time analysis of HW Vir. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 2721-2735.	4.4	18
33	The direct detection of the irradiated brown dwarf in the white dwarf-brown dwarf binary SDSS J141126.20+200911.1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5216-5222.	4.4	20
34	High-speed photometry of Gaia14aae: an eclipsing AM CVn that challenges formation models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1663-1679.	4.4	28
35	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
36	The first sub-70 min non-interacting WD-BD system: EPIC212235321. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1405-1411.	4.4	24

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37	Accretion signatures in the X-shooter spectrum of the substellar companion to SR12. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2994-3003.	4.4	21
38	White dwarfâ€“main sequence binaries from LAMOST: the DR5 catalogue. Monthly Notices of the Royal Astronomical Society, 2018, 477, 4641-4654.	4.4	26
39	First light with HiPERCAM on the GTC. , 2018, , .		13
40	A circumbinary debris disk in a polluted white dwarf system. Nature Astronomy, 2017, 1, .	10.1	34
41	Orbital periods and component masses of three double white dwarfs. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1575-1581.	4.4	16
42	The white dwarf binary pathways survey â€“ II. Radial velocities of 1453 FGK stars with white dwarf companions from LAMOST DRâ€“4. Monthly Notices of the Royal Astronomical Society, 2017, 472, 4193-4203.	4.4	30
43	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
44	Testing the white dwarf massâ€“radius relationship with eclipsing binaries. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4473-4492.	4.4	68
45	Once in a blue moon: detection of â€“bluing' during debris transits in the white dwarf WD 1145+017. Monthly Notices of the Royal Astronomical Society, 2017, 469, 3213-3224.	4.4	39
46	A search for optical bursts from the repeating fast radio burst FRB 121102. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2800-2807.	4.4	74
47	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
48	Hunting for eclipses: high-speed observations of cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4968-4984.	4.4	24
49	SDSS J105754.25+275947.5: a period-bounce eclipsing cataclysmic variable with the lowest-mass donor yet measured. Monthly Notices of the Royal Astronomical Society, 2017, 467, 1024-1032.	4.4	21
50	Detached cataclysmic variables are crossing the orbital period gap. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3867-3877.	4.4	39
51	Long-term eclipse timing of white dwarf binaries: an observational hint of a magnetic mechanism at work. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3873-3887.	4.4	41
52	The white dwarf binary pathways survey â€“ I. A sample of FGK stars with white dwarf companions. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2125-2136.	4.4	35
53	A radio-pulsing white dwarf binary star. Nature, 2016, 537, 374-377.	27.8	117
54	The crowded magnetosphere of the post-common-envelope binary QSÂ“Virginis. Monthly Notices of the Royal Astronomical Society, 2016, 458, 2793-2812.	4.4	27

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55	Doppler imaging of the planetary debris disc at the white dwarf SDSS J122859.93+104032.9. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4467-4478.	4.4	102
56	The SDSS spectroscopic catalogue of white dwarf-main-sequence binaries: new identifications from DR9. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3808-3819.	4.4	61
57	The first pre-supersoft X-ray binary. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1754-1763.	4.4	24
58	The composition of a disrupted extrasolar planetesimal at SDSS J0845+2257 (Ton 345). Monthly Notices of the Royal Astronomical Society, 2015, 451, 3237-3248.	4.4	93
59	14 new eclipsing white dwarf plus main-sequence binaries from the SDSS and Catalina surveys. Monthly Notices of the Royal Astronomical Society, 2015, 449, 2194-2204.	4.4	30
60	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
61	PHL 1445: an eclipsing cataclysmic variable with a substellar donor near the period minimum. Monthly Notices of the Royal Astronomical Society, 2015, 451, 114-125.	4.4	16
62	HST+COS spectra of the double white dwarf CSS 41177 place the secondary inside the pulsational instability strip. Monthly Notices of the Royal Astronomical Society, 2015, 448, 601-605.	4.4	11
63	Variable emission from a gaseous disc around a metal-polluted white dwarf. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1878-1884.	4.4	72
64	The substellar companion in the eclipsing white dwarf binary SDSS J141126.20+200911.1. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2106-2115.	4.4	43
65	Precise parameters for both white dwarfs in the eclipsing binary CSS 41177. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3399-3408.	4.4	42
66	SDSS J001153.08+064739.2, A CATAclysmic VARIABLE WITH AN EVOLVED DONOR IN THE PERIOD GAP. Astrophysical Journal, 2014, 790, 28.	4.5	22
67	The planets around NN Serpentis: still there? ... Monthly Notices of the Royal Astronomical Society, 2014, 437, 475-488.	4.4	97
68	1000 cataclysmic variables from the Catalina Real-time Transient Survey. Monthly Notices of the Royal Astronomical Society, 2014, 443, 3174-3207.	4.4	54
69	The evolution of the self-lensing binary KOI-3278: evidence of extra energy sources during CE evolution. Astronomy and Astrophysics, 2014, 568, L9.	5.1	25
70	Eclipsing post-common envelope binaries from the Catalina surveys. Monthly Notices of the Royal Astronomical Society, 2013, 429, 256-268.	4.4	53
71	A magnetic white dwarf in a detached eclipsing binary. Monthly Notices of the Royal Astronomical Society, 2013, 436, 241-252.	4.4	30
72	Timing variations in the secondary eclipse of NN Ser. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 438, L91-L95.	3.3	52

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73	GASEOUS MATERIAL ORBITING THE POLLUTED, DUSTY WHITE DWARF HE 1349â€“2305. <i>Astrophysical Journal Letters</i> , 2012, 751, L4.	8.3	59
74	An accurate mass and radius measurement for an ultracool white dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 1950-1958.	4.4	42
75	A SPITZER SPACE TELESCOPE STUDY OF THE DEBRIS DISKS AROUND FOUR SDSS WHITE DWARFS. <i>Astrophysical Journal</i> , 2012, 750, 86.	4.5	46
76	The shortest period detached white dwarf + main-sequence binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 304-313.	4.4	38
77	Post-common envelope binaries from SDSS - XV. Accurate stellar parameters for a cool 0.4â€“M white dwarf and a 0.16â€“M M dwarf in a 3â€“h eclipsing binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 817-826.	4.4	55
78	A precision study of two eclipsing white dwarf plus M dwarf binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, , no-no.	4.4	21
79	A J-band detection of the donor star in the dwarf nova OY Carinae and an optical detection of its â€“iron curtainâ€“. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, , no-no.	4.4	5
80	A radial velocity study of CTCV J1300âˆ’3052. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 469-477.	4.4	14
81	The evolutionary state of short-period magnetic white dwarf binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 1437-1449.	4.4	21
82	The chemical diversity of exo-terrestrial planetary debris around white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 333-347.	4.4	242
83	A DEEPLY ECLIPSING DETACHED DOUBLE HELIUM WHITE DWARF BINARY. <i>Astrophysical Journal Letters</i> , 2011, 735, L30.	8.3	46
84	Cataclysmic variables below the period gap: mass determinations of 14 eclipsing systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 2025-2041.	4.4	72
85	THE MASS OF THE WHITE DWARF IN GW LIBRA. <i>Astrophysical Journal Letters</i> , 2010, 715, L109-L112.	8.3	19
86	Precise mass and radius values for the white dwarf and low mass M dwarf in the pre-cataclysmic binary NN Serpentis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 402, 2591-2608.	4.4	111
87	A 15.7-Minute AMCVn Binary Discovered in K2. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	14