Boris Gaensicke

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486 papers	21,500 citations	66 h-index	126 g-index
513 ext. papers	23,736 ext. citations	5.3 avg, IF	6.71 L-index

#	Paper	IF	Citations
486	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. *Astrophysical Journal, Supplement Series*, **2009**, 182, 543-558	8	3780
485	The Sixth Data Release of the Sloan Digital Sky Survey. *Astrophysical Journal, Supplement Series*, **2008**, 175, 297-313	8	1130
484	SEGUE: A SPECTROSCOPIC SURVEY OF 240,000 STARS WITHg= 14-20. *Astronomical Journal*, **2009**, 137, 4377-4399	4.9	779
483	Overview of the DESI Legacy Imaging Surveys. *Astronomical Journal*, **2019**, 157, 168	4.9	363
482	The INT Photometric H□Survey of the Northern Galactic Plane (IPHAS). *Monthly Notices of the Royal Astronomical Society*, **2005**, 362, 753-776	4.3	341
481	A gaseous metal disk around a white dwarf. *Science*, **2006**, 314, 1908-10	33.3	247
480	The frequency of planetary debris around young white dwarfs. *Astronomy and Astrophysics*, **2014**, 566, A34	5.1	242
479	AGaiaData Release 2 catalogue of white dwarfs and a comparison with SDSS. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 4570-4591	4.3	202
478	The chemical diversity of exo-terrestrial planetary debris around white dwarfs. *Monthly Notices of the Royal Astronomical Society*, **2012**, 424, 333-347	4.3	202
477	Inhibition of cortical acetylcholine release and cognitive performance by histamine H3 receptor activation in rats. *British Journal of Pharmacology*, **1996**, 119, 1656-64	8.6	178
476	Magnetic White Dwarfs. *Space Science Reviews*, **2015**, 191, 111-169	7.5	173
475	Post common envelope binaries from SDSS. *Astronomy and Astrophysics*, **2011**, 536, A42	5.1	172
474	SDSS unveils a population of intrinsically faint cataclysmic variables at the minimum orbital period. *Monthly Notices of the Royal Astronomical Society*, **2009**, 397, 2170-2188	4.3	172
473	Post-common-envelope binaries from SDSS. *Astronomy and Astrophysics*, **2010**, 520, A86	5.1	161
472	The VST Photometric H□Survey of the Southern Galactic Plane and Bulge (VPHAS+). *Monthly Notices of the Royal Astronomical Society*, **2014**, 440, 2036-3058	4.3	153
471	The age, life expectancy, and space density of Post Common Envelope Binaries. *Astronomy and Astrophysics*, **2003**, 406, 305-321	5.1	146
470	White Dwarfs in Cataclysmic Variables. *Publications of the Astronomical Society of the Pacific*, **1999**, 111, 532-555	5	140

469	Evidence for water in the rocky debris of a disrupted extrasolar minor planet. *Science*, **2013**, 342, 218-20	33.3	131
468	The Next Generation Transit Survey (NGTS). *Monthly Notices of the Royal Astronomical Society*, **2018** , 475, 4476-4493	4.3	127
467	Formation of planetary debris discs around white dwarfs â. Tidal disruption of an extremely eccentric asteroid. *Monthly Notices of the Royal Astronomical Society*, **2014**, 445, 2244-2255	4.3	127
466	CONSTRAINTS ON THE LIFETIMES OF DISKS RESULTING FROM TIDALLY DESTROYED ROCKY PLANETARY BODIES. *Astrophysical Journal*, **2012**, 749, 154	4.7	116
465	CATACLYSMIC VARIABLE PRIMARY EFFECTIVE TEMPERATURES: CONSTRAINTS ON BINARY ANGULAR MOMENTUM LOSS. *Astrophysical Journal*, **2009**, 693, 1007-1021	4.7	109
464	On the evolutionary status of short-period cataclysmic variables. *Monthly Notices of the Royal Astronomical Society*, **2008**, 388, 1582-1594	4.3	108
463	Post-common-envelope binaries from SDSS - I. 101 white dwarf main-sequence binaries with multiple Sloan Digital Sky Survey spectroscopy. *Monthly Notices of the Royal Astronomical Society*, **2007**, 382, 1377-1393	4.3	107
462	First Kepler results on compact pulsators - I. Survey target selection and the first pulsators. *Monthly Notices of the Royal Astronomical Society*, **2010**, 409, 1470-1486	4.3	105
461	A planetesimal orbiting within the debris disc around a white dwarf star. *Science*, **2019**, 364, 66-69	33.3	101
460	Three Hypervelocity White Dwarfs in Gaia DR2: Evidence for Dynamically Driven Double-degenerate Double-detonation Type Ia Supernovae. *Astrophysical Journal*, **2018**, 865, 15	4.7	101
459	The second data release of the INT Photometric HSurvey of the Northern Galactic Plane (IPHAS DR2). *Monthly Notices of the Royal Astronomical Society*, **2014**, 444, 3230-3257	4.3	99
458	DA white dwarfs in Sloan Digital Sky Survey Data Release 7 and a search for infrared excess emission. *Monthly Notices of the Royal Astronomical Society*, **2011**, 417, 1210-1235	4.3	99
457	HIGH-SPEED PHOTOMETRY OF THE DISINTEGRATING PLANETESIMALS AT WD1145+017: EVIDENCE FOR RAPID DYNAMICAL EVOLUTION. *Astrophysical Journal Letters*, **2016**, 818, L7	7.9	98
456	Precise mass and radius values for the white dwarf and low mass M dwarf in the pre-cataclysmic binary NN Serpentis. *Monthly Notices of the Royal Astronomical Society*, **2010**, 402, 2591-2608	4.3	95
455	SDSS J104341.53+085558.2: a second white dwarf with a gaseous debris disc. *Monthly Notices of the Royal Astronomical Society: Letters*, **2007**, 380, L35-L39	4.3	94
454	Physical properties of IP Pegasi: an eclipsing dwarf nova with an unusually cool white dwarf. *Monthly Notices of the Royal Astronomical Society*, **2010**, 402, 1824-1840	4.3	92
453	White Dwarf Rotation as a Function of Mass and a Dichotomy of Mode Line Widths: Kepler Observations of 27 Pulsating DA White Dwarfs through K2 Campaign 8. *Astrophysical Journal, Supplement Series*, **2017**, 232, 23	8	91
452	Orbital period variations in eclipsing post-common-envelope binaries. *Monthly Notices of the Royal Astronomical Society*, **2010**, 407, 2362-2382	4.3	90

451	HS2331+3905: The cataclysmic variable that has it all. *Astronomy and Astrophysics*, **2005**, 430, 629-642	5.1	90
450	Doppler imaging of the planetary debris disc at the white dwarf SDSSJ122859.93+104032.9. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 4467-4478	4.3	88
449	Post common envelope binaries from SDSS. *Astronomy and Astrophysics*, **2011**, 536, A43	5.1	88
448	Anomalous Ultraviolet Line Flux Ratios in the Cataclysmic Variables 1RXS J232953.9+062814, CE 315, BZ Ursae Majoris, and EY Cygni, Observed with theHubble Space TelescopeSpace Telescope Imaging Spectrograph. *Astrophysical Journal*, **2003**, 594, 443-448	4.7	88
447	The binarity of the local white dwarf population. *Astronomy and Astrophysics*, **2017**, 602, A16	5.1	84
446	A radio-pulsing white dwarf binary star. *Nature*, **2016**, 537, 374-377	50.4	84
445	A trio of metal-rich dust and gas discs found orbiting candidate white dwarfs with K-band excess. *Monthly Notices of the Royal Astronomical Society*, **2012**, 421, 1635-1643	4.3	84
444	Full-lifetime simulations of multiple unequal-mass planets across all phases of stellar evolution. *Monthly Notices of the Royal Astronomical Society*, **2016**, 458, 3942-3967	4.3	83
443	The frequency and infrared brightness of circumstellar discs at white dwarfs. *Monthly Notices of the Royal Astronomical Society*, **2015**, 449, 574-587	4.3	82
442	Post-common envelope binaries from SDSS - VII. A catalogue of white dwarf-main sequence binaries. *Monthly Notices of the Royal Astronomical Society*, **2010**, 402, 620-640	4.3	82
441	Detectable close-in planets around white dwarfs through late unpacking. *Monthly Notices of the Royal Astronomical Society*, **2015**, 447, 1049-1058	4.3	81
440	Far-Ultraviolet Spectroscopy of Magnetic Cataclysmic Variables. *Astrophysical Journal*, **2005**, 622, 589-601	4.7	81
439	The field white dwarf mass distribution. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 2100-2114	4.3	78
438	Initial data release from the INT Photometric H Survey of the Northern Galactic Plane (IPHAS). *Monthly Notices of the Royal Astronomical Society*, **2008**, 388, 89-104	4.3	78
437	Accretion of a giant planet onto a white dwarf star. *Nature*, **2019**, 576, 61-64	50.4	78
436	Formation of planetary debris discs around white dwarfs âI. Shrinking extremely eccentric collisionless rings. *Monthly Notices of the Royal Astronomical Society*, **2015**, 451, 3453-3459	4.3	77
435	Post-common envelope binaries from SDSS - XIV. The DR7 white dwarf-main-sequence binary catalogue. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 806-816	4.3	77
434	Post-common envelope binaries from SDSS-X: the origin of low-mass white dwarfs. *Monthly Notices of the Royal Astronomical Society*, **2011**, 413, 1121-1131	4.3	74

433	The IPHAS catalogue of H�emission-line sources in the northern Galactic plane. *Monthly Notices of the Royal Astronomical Society*, **2008**, 384, 1277-1288	4.3	74
432	Analysis of hydrogen-rich magnetic white dwarfs detected in the Sloan Digital Sky Survey. *Astronomy and Astrophysics*, **2009**, 506, 1341-1350	5.1	73
431	Cool DZ white dwarfs II: compositions and evolution of old remnant planetary systems. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 93-111	4.3	72
430	Hot subdwarf binaries from the MUCHFUSS project. *Astronomy and Astrophysics*, **2015**, 576, A44	5.1	72
429	The Gaia 20 pc white dwarf sample. *Monthly Notices of the Royal Astronomical Society*, **2018**, 480, 3942-3961	4.3	72
428	The composition of a disrupted extrasolar planetesimal at SDSS�J0845+2257 (Ton�345). *Monthly Notices of the Royal Astronomical Society*, **2015**, 451, 3237-3248	4.3	71
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426	A progenitor binary and an ejected mass donor remnant of faint type Ia supernovae. *Astronomy and Astrophysics*, **2013**, 554, A54	5.1	70
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423	Variable emission from a gaseous disc around a metal-polluted white dwarf. *Monthly Notices of the Royal Astronomical Society*, **2014**, 445, 1878-1884	4.3	68
422	The MUCHFUSS project â�searching for hot subdwarf binaries with massive unseen companions. *Astronomy and Astrophysics*, **2011**, 530, A28	5.1	68
421	Likely detection of water-rich asteroid debris in a metal-polluted white dwarf. *Monthly Notices of the Royal Astronomical Society*, **2015**, 450, 2083-2093	4.3	66
420	Liberating exomoons in white dwarf planetary systems. *Monthly Notices of the Royal Astronomical Society*, **2016**, 457, 217-231	4.3	66
419	Hydrogen delivery onto white dwarfs from remnant exo-Oort cloud comets. *Monthly Notices of the Royal Astronomical Society*, **2014**, 445, 4175-4185	4.3	66
418	Explaining the variability of WD 1145+017 with simulations of asteroid tidal disruption. *Monthly Notices of the Royal Astronomical Society*, **2017**, 465, 1008-1022	4.3	66
417	INITIAL DATA RELEASE OF THEKEPLER-INT SURVEY. *Astronomical Journal*, **2012**, 144, 24	4.9	66
416	Scars of intense accretion episodes at metal-rich white dwarfs. *Monthly Notices of the Royal Astronomical Society*, **2012**, 424, 464-471	4.3	64

415	POSSIBLE SIGNS OF WATER AND DIFFERENTIATION IN A ROCKY EXOPLANETARY BODY. *Astrophysical Journal Letters*, **2011**, 728, L8	7.9	64
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413	Cataclysmic variables below the period gap: mass determinations of 14 eclipsing systems. *Monthly Notices of the Royal Astronomical Society*, **2011**, 415, 2025-2041	4.3	63
412	CATACLYSMIC VARIABLES FROM THE SLOAN DIGITAL SKY SURVEY. VIII. THE FINAL YEAR (2007â2008). *Astronomical Journal*, **2011**, 142, 181	4.9	63
411	Core crystallization and pile-up in the cooling sequence of evolving white dwarfs. *Nature*, **2019**, 565, 202-205	50.4	62
410	Mass ratio from Doppler beaming and Rmer delay versus ellipsoidal modulation in the Kepler data of KOI-74?. *Monthly Notices of the Royal Astronomical Society*, **2012**, 422, 2600-2608	4.3	61
409	Post common envelope binaries from SDSS. *Astronomy and Astrophysics*, **2010**, 513, L7	5.1	61
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406	Monte Carlo simulations of post-common-envelope white dwarf + main sequence binaries: comparison with the SDSS DR7 observed sample. *Astronomy and Astrophysics*, **2014**, 566, A86	5.1	59
405	First Kepler results on compact pulsators - VI. Targets in the final half of the survey phase. *Monthly Notices of the Royal Astronomical Society*, **2011**, 414, 2860-2870	4.3	58
404	GASEOUS MATERIAL ORBITING THE POLLUTED, DUSTY WHITE DWARF HE 1349â305. *Astrophysical Journal Letters*, **2012**, 751, L4	7.9	58
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401	CATACLYSMIC VARIABLES FROM SDSS. VII. THE SEVENTH YEAR (2006). *Astronomical Journal*, **2009**, 137, 4011-4019	4.9	56
400	High spatial resolution Galactic 3D extinction mapping with IPHAS. *Monthly Notices of the Royal Astronomical Society*, **2009**, 392, 497-513	4.3	55
399	A photometric selection of white dwarf candidates in Sloan Digital Sky Survey Data Release 10. *Monthly Notices of the Royal Astronomical Society*, **2015**, 448, 2260-2274	4.3	54
398	A DUSTY COMPONENT TO THE GASEOUS DEBRIS DISK AROUND THE WHITE DWARF SDSS J1228+1040. *Astrophysical Journal*, **2009**, 696, 1402-1406	4.7	53

397	The fate of exomoons in white dwarf planetary systems. *Monthly Notices of the Royal Astronomical Society*, **2017**, 464, 2557-2564	4.3	52
396	Post-common envelope binaries from SDSS - XV. Accurate stellar parameters for a cool 0.4 M? white dwarf and a 0.16 M? M dwarf in a 3 h eclipsing binary. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 817-826	4.3	52
395	A Planetary Nebula around Nova V458 Vulpeculae Undergoing Flash Ionization. *Astrophysical Journal*, **2008**, 688, L21-L24	4.7	52
394	Deposition of steeply infalling debris around white dwarf stars. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 1575-1593	4.3	51
393	Cool DZ white dwarfs in the SDSS. *Astronomy and Astrophysics*, **2011**, 530, A114	5.1	51
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391	A Volume-limited Sample of Cataclysmic Variables from Gaia DR2: Space Density and Population Properties. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 3799-3827	4.3	50
390	Post-main-sequence debris from rotation-induced YORP break-up of small bodies. *Monthly Notices of the Royal Astronomical Society*, **2014**, 445, 2794-2799	4.3	49
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386	Two white dwarfs with oxygen-rich atmospheres. *Science*, **2010**, 327, 188-90	33.3	48
385	FUSEandHSTSTIS Far-Ultraviolet Observations of AM Herculis in an Extended Low State. *Astrophysical Journal*, **2006**, 639, 1039-1052	4.7	48
384	Anomalous Cooling of the Massive White Dwarf in U Geminorum Following a Narrow Dwarf Nova Outburst. *Astrophysical Journal*, **1998**, 496, 449-453	4.7	48
383	Another one grinds the dust: variability of the planetary debris disc at the white dwarf SDSS J104341.53+085558.2. *Monthly Notices of the Royal Astronomical Society*, **2016**, 462, 1461-1469	4.3	47
382	A precise HST parallax of the cataclysmic variable EX Hydrae, its system parameters, and accretion rate. *Astronomy and Astrophysics*, **2003**, 412, 821-827	5.1	47
381	1000 cataclysmic variables from the Catalina Real-time Transient Survey. *Monthly Notices of the Royal Astronomical Society*, **2014**, 443, 3174-3207	4.3	46
380	AnHSTparallax of the distant cataclysmic variable V1223 Sgr, its system parameters, and accretion rate. *Astronomy and Astrophysics*, **2004**, 419, 291-299	5.1	46

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374	The scatter of the M dwarf massâadius relationship. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 1083-1096	4.3	45
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371	AR Ursae Majoris: The First High-Field Magnetic Cataclysmic Variable. *Astrophysical Journal*, **1996**, 473, 483-493	4.7	44
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369	Eclipsing post-common envelope binaries from the Catalina surveys. *Monthly Notices of the Royal Astronomical Society*, **2013**, 429, 256-268	4.3	43
368	A DEEPLY ECLIPSING DETACHED DOUBLE HELIUM WHITE DWARF BINARY. *Astrophysical Journal Letters*, **2011**, 735, L30	7.9	43
367	SDSS J084539.17+225728.0: the first DBZ white dwarf with a metal-rich gaseous debris disc. *Monthly Notices of the Royal Astronomical Society: Letters*, **2008**,	4.3	43
366	The nature of the close magnetic white dwarf + probable brown dwarf binary SDSS J121209.31+013627.7*. *Monthly Notices of the Royal Astronomical Society*, **2006**, 373, 1416-1422	4.3	42
365	A White Dwarf with Transiting Circumstellar Material Far outside the Roche Limit. *Astrophysical Journal*, **2020**, 897, 171	4.7	42
364	Solar abundances of rock-forming elements, extreme oxygen and hydrogen in a young polluted white dwarf. *Monthly Notices of the Royal Astronomical Society*, **2016**, 463, 3186-3192	4.3	42
363	Kepler observations of the beaming binary KPD 1946+4340. *Monthly Notices of the Royal Astronomical Society*, **2010**, no-no	4.3	41
362	How many cataclysmic variables are crossing the period gap? A test for the disruption of magnetic braking. *Monthly Notices of the Royal Astronomical Society*, **2008**, 389, 1563-1576	4.3	41

361	The population of hot subdwarf stars studied withGaia. *Astronomy and Astrophysics*, **2017**, 600, A50	5.1	40
360	HS 2237+8154: On the onset of mass transfer or entering the period gap?. *Astronomy and Astrophysics*, **2004**, 418, 265-270	5.1	40
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358	Cataclysmic variables from a ROSAT/2MASS selection â. Four new intermediate polars. *Monthly Notices of the Royal Astronomical Society*, **2005**, 361, 141-154	4.3	40
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356	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	4.3	39
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354	VLT/FORS spectroscopy of faint cataclysmic variables discovered by the Sloan Digital Sky Survey. *Monthly Notices of the Royal Astronomical Society*, **2006**, 373, 687-699	4.3	39
353	FINDING THE INSTABILITY STRIP FOR ACCRETING PULSATING WHITE DWARFS FROMHUBBLE SPACE TELESCOPEAND OPTICAL OBSERVATIONS. *Astrophysical Journal*, **2010**, 710, 64-77	4.7	38
352	Spectroscopic search for new SW Sextantis stars in the 3-4 h orbital period range - I. *Monthly Notices of the Royal Astronomical Society*, **2007**, 374, 1359-1376	4.3	38
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349	Carbon to oxygen ratios in extrasolar planetesimals. *Monthly Notices of the Royal Astronomical Society*, **2016**, 459, 3282-3286	4.3	37
348	An accurate mass and radius measurement for an ultracool white dwarf. *Monthly Notices of the Royal Astronomical Society*, **2012**, 426, 1950-1958	4.3	37
347	The shortest period detached white dwarf + main-sequence binary. *Monthly Notices of the Royal Astronomical Society*, **2012**, 419, 304-313	4.3	37
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334	NLTT�5306: the shortest period detached white dwarf+brown dwarf binary. *Monthly Notices of the Royal Astronomical Society*, **2013**, 429, 3492-3500	4.3	35
333	Dynamical mass and multiplicity constraints on co-orbital bodies around stars. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 1413-1420	4.3	35
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