

Kevin B Burdge

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,780
citations

394421

19
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

2222
citing authors

#	ARTICLE	IF	CITATIONS
1	The Zwicky Transient Facility: Data Processing, Products, and Archive. Publications of the Astronomical Society of the Pacific, 2019, 131, 018003.	3.1	610
2	A catalogue of white dwarfs in <i>Gaia</i> EDR3. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3877-3896.	4.4	122
3	General relativistic orbital decay in a seven-minute-orbital-period eclipsing binary system. Nature, 2019, 571, 528-531.	27.8	96
4	GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. Astrophysical Journal Letters, 2019, 885, L19.	8.3	86
5	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145.	4.5	69
6	A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion. Astrophysical Journal, 2021, 912, 46.	4.5	66
7	A Systematic Search of Zwicky Transient Facility Data for Ultracompact Binary LISA-detectable Gravitational-wave Sources. Astrophysical Journal, 2020, 905, 32.	4.5	62
8	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. Astrophysical Journal, 2021, 907, 99.	4.5	59
9	ZTF 18aaq easu (SN2018byg): A Massive Helium-shell Double Detonation on a Sub-Chandrasekhar-mass White Dwarf. Astrophysical Journal Letters, 2019, 873, L18.	8.3	56
10	A highly magnetized and rapidly rotating white dwarf as small as the Moon. Nature, 2021, 595, 39-42.	27.8	56
11	The First Ultracompact Roche Lobe-Filling Hot Subdwarf Binary. Astrophysical Journal, 2020, 891, 45.	4.5	47
12	Orbital Decay in a 20 Minute Orbital Period Detached Binary with a Hydrogen-poor Low-mass White Dwarf. Astrophysical Journal Letters, 2019, 886, L12.	8.3	42
13	NGC 1850 BH1 is another stripped-star binary masquerading as a black hole. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 511, 24-29.	3.3	38
14	An 8.8 Minute Orbital Period Eclipsing Detached Double White Dwarf Binary. Astrophysical Journal Letters, 2020, 905, L7.	8.3	34
15	A New Class of Roche Lobe-Filling Hot Subdwarf Binaries. Astrophysical Journal Letters, 2020, 898, L25.	8.3	33
16	A New Class of Large-amplitude Radial-mode Hot Subdwarf Pulsators. Astrophysical Journal Letters, 2019, 878, L35.	8.3	32
17	Unicorns and giraffes in the binary zoo: stripped giants with subgiant companions. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5620-5641.	4.4	30
18	Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. Astronomical Journal, 2020, 160, 26.	4.7	28

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19	Cataclysmic Variables in the First Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2020, 159, 198.	4.7	22
20	ZTF J1901+5309: a 40.6-min orbital period eclipsing double white dwarf system. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 494, L91-L96.	3.3	19
21	The Kitt Peak Electron Multiplying CCD demonstrator. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1412-1419.	4.4	16
22	The ZTF Source Classification Project. I. Methods and Infrastructure. <i>Astronomical Journal</i> , 2021, 161, 267.	4.7	16
23	NGC 2004 #115: a black hole imposter containing three luminous stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3089-3100.	4.4	16
24	A Systematic Search for Outbursting AM CVn Systems with the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021, 162, 113.	4.7	15
25	Characterization of Temporarily Captured Minimoons 2020 CD ₃ by Keck Time-resolved Spectrophotometry. <i>Astrophysical Journal Letters</i> , 2020, 900, L45.	8.3	15
26	ZTF J0038+2030: A Long-period Eclipsing White Dwarf and a Substellar Companion. <i>Astrophysical Journal Letters</i> , 2021, 919, L26.	8.3	15
27	Initial Characterization of Active Transitioning Centaur, P/2019 LD ₂ (ATLAS), Using Hubble, Spitzer, ZTF, Keck, Apache Point Observatory, and GROWTH Visible and Infrared Imaging and Spectroscopy. <i>Astronomical Journal</i> , 2021, 161, 116.	4.7	13
28	A 62-minute orbital period black widow binary in a wide hierarchical triple. <i>Nature</i> , 2022, 605, 41-45.	27.8	13
29	Multi-wavelength Observations of AT2019wey: a New Candidate Black Hole Low-mass X-ray Binary. <i>Astrophysical Journal</i> , 2021, 920, 120.	4.5	12
30	Time-series and Phase-curve Photometry of the Episodically Active Asteroid (6478) Gault in a Quiescent State Using APO, GROWTH, P200, and ZTF. <i>Astrophysical Journal Letters</i> , 2021, 911, L35.	8.3	10
31	The ZTF Source Classification Project – II. Periodicity and variability processing metrics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2954-2965.	4.4	10
32	Early Ultraviolet Observations of Type II _n Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020, 899, 51.	4.5	9
33	Tidally excited oscillations in hot white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1836-1851.	4.4	6
34	GPU-accelerated periodic source identification in large-scale surveys: measuring $\langle i \rangle_P$ and $\langle P \rangle_i$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 2665-2675.	4.4	4
35	ZTF-identified HW Virginis Systems. <i>Research Notes of the AAS</i> , 2021, 5, 90.	0.7	2