

David A H Buckley

List of Publications by Year in descending order

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Version: 2024-02-01

125
papers

3,375
citations

136950

32
h-index

175258

52
g-index

126
all docs

126
docs citations

126
times ranked

4024
citing authors

#	ARTICLE	IF	CITATIONS
1	An accreting white dwarf displaying fast transitional mode switching. <i>Nature Astronomy</i> , 2022, 6, 98-102.	10.1	11
2	Astrometric excess noise in <i>Gaia</i> EDR3 and the search for X-ray binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3885-3895.	4.4	16
3	The early afterglow of GRB 190829A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2337-2349.	4.4	9
4	A persistent ultraviolet outflow from an accreting neutron star binary transient. <i>Nature</i> , 2022, 603, 52-57.	27.8	24
5	Identification of an X-Ray Pulsar in the BeXRB System IGR J18219+1347. <i>Astrophysical Journal</i> , 2022, 927, 139.	4.5	5
6	Probing the non-thermal emission geometry of AR Sco via optical phase-resolved polarimetry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2998-3010.	4.4	5
7	Synchronous X-ray/optical quasi-periodic oscillations from the black hole LMXB MAXI J1820+070. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 513, L35-L39.	3.3	6
8	A comprehensive search for the radio counterpart of GW190814 with the Australian Square Kilometre Array Pathfinder. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3794-3805.	4.4	14
9	Triggering microminor novae through magnetically confined accretion flows in accreting white dwarfs. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 514, L11-L15.	3.0	7
10	Serendipitous discovery of radio flaring behaviour from a nearby M dwarf with MeerKAT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3482-3492.	4.4	9
11	Localized thermonuclear bursts from accreting magnetic white dwarfs. <i>Nature</i> , 2022, 604, 447-450.	27.8	10
12	The OmegaWhite survey for short-period variable stars – VII. High amplitude short-period blue variables. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 2215-2225.	4.4	6
13	SXP 15.6 – an accreting pulsar close to spin equilibrium?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 5567-5574.	4.4	3
14	MASTER Real-Time Multi-Message Observations of High Energy Phenomena. <i>Universe</i> , 2022, 8, 271.	2.5	7
15	Discovery of a radio-emitting neutron star with an ultra-long spin period of 76 s. <i>Nature Astronomy</i> , 2022, 6, 828-836.	10.1	63
16	Towards a BRICS Optical Transient Network (BRICS-OTN). <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200917.	0.8	1
17	Bow shocks, nova shells, disc winds and tilted discs: the nova-like V341 Ara has it all. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 1951-1969.	4.4	8
18	Towards a BRICS Astronomy Network. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201759.	0.8	0

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19	Radio and optical observations of the possible AE Aqr twin, LAMOST J024048.51+195226.9. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3692-3697.	4.4	12
20	RX J0529.8+6556: a BeXRB pulsar with an evolving optical period and out of phase X-ray outbursts. Monthly Notices of the Royal Astronomical Society, 2021, 503, 6187-6201.	4.4	8
21	The Be/neutron star system Swift J004929.5-733107 in the Small Magellanic Cloud—X-ray characteristics and optical counterpart candidates. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1398-1406.	4.4	1
22	X-ray quasi-periodic eruptions from two previously quiescent galaxies. Nature, 2021, 592, 704-707.	27.8	82
23	Three-Dimensional Model of the Flow Structure in the Asynchronous Polar CD Ind during Magnetic Pole Switching. Astronomy Reports, 2021, 65, 392-411.	0.9	4
24	The evolution of rapid optical/X-ray timing correlations in the initial hard state of MAXI J1820+070. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3452-3469.	4.4	13
25	Progenitor mass constraints for the type Ib intermediate-luminosity SN 2015ap and the highly extinguished SN 2016bau. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2530-2547.	4.4	7
26	On the Polarized Absorption Lines in Gamma-Ray Burst Optical Afterglows. Astrophysical Journal, 2021, 914, 134.	4.5	3
27	Spectropolarimetry and photometry of the early afterglow of the gamma-ray burst GRB 191221B. Monthly Notices of the Royal Astronomical Society, 2021, 506, 4621-4631.	4.4	10
28	The magnetic system SMSS J1606+1000 as a period bouncer. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 507, L30-L35.	3.3	3
29	Observations of AR Sco with Chandra and AstroSat soft X-ray telescope. Journal of Astrophysics and Astronomy, 2021, 42, 1.	1.0	1
30	IKI GRB-FuN: observations of GRBs with small-aperture telescopes. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20200883.	0.8	0
31	Large optical modulations during 2018 outburst of MAXI J1820+070 reveal evolution of warped accretion disc through X-ray state change. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1062-1074.	4.4	11
32	On the nature of the X-ray pulsar XTE J1859+083 and its broad-band properties. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5955-5963.	4.4	5
33	Simultaneous X-ray and radio observations of the transitional millisecond pulsar candidate CXOU J110926.4-650224. Astronomy and Astrophysics, 2021, 655, A52.	5.1	7
34	Swift/XRT Deep Galactic Plane Survey Discovery of a New Intermediate Polar Cataclysmic Variable, Swift J183920.1-045350. Astrophysical Journal, 2021, 923, 243.	4.5	3
35	The detection of radio emission from known X-ray flaring star EXO 040830+7134.7. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1083-1092.	4.4	7
36	The 2018 outburst of BHXB H1743+322 as seen with MeerKAT. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 491, L29-L33.	3.3	21

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37	The newly discovered Be/X-ray binary Swift J004516.6+734703 in the SMC: witnessing the emergence of a circumstellar disc. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 499, L41-L46.	3.3	3
38	The post-maximum behaviour of the changing-look Seyfert galaxy NGC 1566. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 718-727.	4.4	12
39	Enhanced optical activity 12 d before X-ray activity, and a 4 d X-ray delay during outburst rise, in a low-mass X-ray binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3429-3439.	4.4	12
40	Discovery of optical outflows and inflows in the black hole candidate GRS 1716+249. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 25-32.	4.4	13
41	An improved spin-down rate for the proposed white dwarf pulsar AR Scorpii. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4849-4856.	4.4	10
42	Optical, X-ray, and γ -ray observations of the candidate transitional millisecond pulsar 4FGL J0427.8-6704. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3912-3926.	4.4	16
43	A major optical and X-ray outburst from the Magellanic Bridge source RX J0209.6+7427. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 1424-1429.	4.4	3
44	Optical Observations Reveal Strong Evidence for High-energy Neutrino Progenitor. <i>Astrophysical Journal Letters</i> , 2020, 896, L19.	8.3	16
45	Optical and X-ray study of the peculiar high-mass X-ray binary XMMU J010331.7+730144. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3615-3622.	4.4	3
46	Three-Dimensional Numerical Simulation of a Flow Structure in the Asynchronous Polar CD Ind in the Approximation of an Offset Dipole Magnetic Field of a White Dwarf. <i>Astronomy Reports</i> , 2020, 64, 467-498.	0.9	3
47	The radio pulsar population of the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 500-510.	4.4	7
48	MKT 170456.2+482100: the first transient discovered by MeerKAT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 560-575.	4.4	20
49	An extremely powerful long-lived superluminal ejection from the black hole MAXI J1820+070. <i>Nature Astronomy</i> , 2020, 4, 697-703.	10.1	74
50	A spectroscopic, photometric, polarimetric, and radio study of the eclipsing polar UZ Fornacis: the first simultaneous SALT and MeerKAT observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4298-4312.	4.4	0
51	Lowly Polarized Light from a Highly Magnetized Jet of GRB 190114C. <i>Astrophysical Journal</i> , 2020, 892, 97.	4.5	31
52	To TDE or not to TDE: the luminous transient ASASSN-18jld with TDE-like and AGN-like qualities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2538-2560.	4.4	34
53	GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star Black Hole Merger. <i>Astrophysical Journal</i> , 2020, 890, 131.	4.5	74
54	SN 2010kd: Photometric and Spectroscopic Analysis of a Slow-decaying Superluminous Supernova. <i>Astrophysical Journal</i> , 2020, 892, 28.	4.5	15

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55	The Rise and Fall of ASASSN-18pg: Following a TDE from Early to Late Times. <i>Astrophysical Journal</i> , 2020, 898, 161.	4.5	41
56	Early Spectral Evolution of Classical Novae: Consistent Evidence for Multiple Distinct Outflows. <i>Astrophysical Journal</i> , 2020, 905, 62.	4.5	43
57	Puzzling blue dips in the black hole candidate Swift J1357.2+0933, from ULTRACAM, SALT, ATCA, Swift, and NuSTAR. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 512-524.	4.4	9
58	Hard-state Accretion Disk Winds from Black Holes: The Revealing Case of MAXI J1820+070. <i>Astrophysical Journal Letters</i> , 2019, 879, L4.	8.3	56
59	An X-ray and optical study of the outbursting behaviour of the SMC Be X-ray binary SXP 91.1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 993-999.	4.4	2
60	Hot, dense He outflows during the 2017 outburst of the X-ray transient Swift J1357.2+0933. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 489, L47-L52.	3.3	19
61	Discovery, observations, and modelling of a new eclipsing polar: MASTER OT J061451.70+272535.5. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3831-3845.	4.4	2
62	Targeted search for young radio pulsars in the SMC: discovery of two new pulsars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 4332-4342.	4.4	11
63	ASASSN-18tb: a most unusual Type Ia supernova observed by TESS and SALT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2372-2384.	4.4	49
64	TESS observations of the asynchronous polar CD Ind: mapping the changing accretion geometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2549-2556.	4.4	16
65	Prolonged sub-luminous state of the new transitional pulsar candidate CXOU J110926.4+650224. <i>Astronomy and Astrophysics</i> , 2019, 622, A211.	5.1	24
66	Discovery and follow-up of the unusual nuclear transient OGLE17aaj. <i>Astronomy and Astrophysics</i> , 2019, 622, L2.	5.1	22
67	The SMC X-ray binary SXP4.78: a new Type II outburst and the identification and study of the optical counterpart. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 4617-4624.	4.4	5
68	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. <i>Astrophysical Journal Letters</i> , 2019, 885, L19.	8.3	86
69	New changing look case in NGC 1566. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 558-564.	4.4	55
70	Infrared Spectroscopy of the Recent Outburst in V1047 Cen (Nova Centauri 2005). <i>Astrophysical Journal Letters</i> , 2019, 886, L14.	8.3	2
71	Identification of high-mass X-ray binaries selected from XMM-Newton observations of the LMC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3253-3261.	4.4	14
72	A comparison between SALT/SAO observations and kilonova models for AT 2017gfo: the first electromagnetic counterpart of a gravitational wave transient GW170817. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 474, L71-L75.	3.3	34

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73	Time series photopolarimetry and modelling of the white dwarf pulsar in AR Scorpii. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2384-2392.	4.4	17
74	Multiwavelength observations of V407 Lupi (ASASSN-16kt) – a very fast nova erupting in an intermediate polar. Monthly Notices of the Royal Astronomical Society, 2018, 480, 572-609.	4.4	26
75	Multiwavelength observations of nova SMCN 2016-10a – one of the brightest novae ever observed. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2679-2705.	4.4	19
76	Discovery of spin-modulated circular polarization from IGR J17014+4306, the remnant of Nova Scorpii 1437 AD. Monthly Notices of the Royal Astronomical Society, 2018, 473, 4692-4697.	4.4	7
77	Polarimetric Evidence of the First White Dwarf Pulsar: The Binary System AR Scorpii. Galaxies, 2018, 6, 14.	3.0	1
78	A reevaluation of the proposed spin-down of the white dwarf pulsar in AR Scorpii. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 478, L78-L82.	3.3	10
79	ThunderKAT: The MeerKAT Large Survey Project for Image-Plane Radio Transients. , 2018, , .		9
80	Polarimetric evidence of a white dwarf pulsar in the binary system AR Scorpii. Nature Astronomy, 2017, 1, .	10.1	55
81	First gravitational-wave burst GW150914: MASTER optical follow-up observations. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3656-3667.	4.4	33
82	The Rapid Reddening and Featureless Optical Spectra of the Optical Counterpart of GW170817, AT 2017gfo, during the First Four Days. Astrophysical Journal Letters, 2017, 848, L32.	8.3	129
83	A VLT-ULTRACAM study of the fast optical quasi-periodic oscillations in the polar V834 Centauri. Astronomy and Astrophysics, 2017, 600, A53.	5.1	10
84	MASTER Optical Detection of the First LIGO/Virgo Neutron Star Binary Merger GW170817. Astrophysical Journal Letters, 2017, 850, L1.	8.3	199
85	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	3.4	142
86	The 2016 super-Eddington outburst of SMC X-3: X-ray and optical properties and system parameters. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3878-3887.	4.4	35
87	The SALT Transient Programme. Proceedings of the International Astronomical Union, 2017, 14, 176-180.	0.0	0
88	SALT Spectropolarimetry and Self-Consistent SED and Polarization Modeling of Blazars. Galaxies, 2017, 5, 52.	3.0	5
89	Significant and variable linear polarization during the prompt optical flash of GRB 160625B. Nature, 2017, 547, 425-427.	27.8	93
90	IGR J19552+0044: A new asynchronous short period polar. Astronomy and Astrophysics, 2017, 608, A36.	5.1	16

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91	2SÂ1553â~542: a Be/X-ray binary pulsar on the far side of the Galaxy. Monthly Notices of the Royal Astronomical Society, 2016, 462, 3823-3829.	4.4	17
92	Early polarization observations of the optical emission of gamma-ray bursts: GRBÂ150301B and GRBÂ150413A. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3312-3318.	4.4	33
93	Performance of the Southern African Large Telescope (SALT) High Resolution Spectrograph (HRS). Proceedings of SPIE, 2014, , .	0.8	56
94	MULTI-WAVELENGTH OBSERVATIONS OF SUPERNOVA 2011ei: TIME-DEPENDENT CLASSIFICATION OF TYPE IIb AND Ib SUPERNOVAE AND IMPLICATIONS FOR THEIR PROGENITORS. Astrophysical Journal, 2013, 767, 71.	4.5	64
95	The<i>XMM-Newton</i>survey of the Small Magellanic Cloud: The X-ray point-source catalogue. Astronomy and Astrophysics, 2013, 558, A3.	5.1	72
96	The SALT HRS spectrograph: instrument integration and laboratory test results. Proceedings of SPIE, 2012, , .	0.8	35
97	The<i>XMM-Newton</i>survey of the Small Magellanic Cloud. Astronomy and Astrophysics, 2012, 545, A128.	5.1	52
98	The SALT HRS spectrograph: final design, instrument capabilities, and operational modes. Proceedings of SPIE, 2010, , .	0.8	40
99	Polarized QPOs from the<i>INTEGRAL</i>polar IGRJ14536-5522 (=Swift J1453.4-5524). Monthly Notices of the Royal Astronomical Society, 2010, 402, 1161-1170.	4.4	38
100	PySALT: the SALT science pipeline. Proceedings of SPIE, 2010, , .	0.8	115
101	Photometry of 2006ÂRH₁₂₀: an asteroid temporary captured intoÂaÂgeocentric orbit. Astronomy and Astrophysics, 2009, 495, 967-974.	5.1	45
102	The metallicity extremes of the Sagittarius dSph: SALT spectroscopy of PNe^{â...}. Monthly Notices of the Royal Astronomical Society, 2008, 388, 1667-1678.	4.4	72
103	The optical design of the Southern African large telescope high resolution spectrograph: SALT HRS. Proceedings of SPIE, 2008, , .	0.8	28
104	Commissioning of the Southern African Large Telescopes (SALT) first-generation instruments. Proceedings of SPIE, 2008, , .	0.8	8
105	A new two channel high-speed photo-polarimeter (HIPPO) for the SAAO. Proceedings of SPIE, 2008, , .	0.8	4
106	Status of the Southern African Large Telescope (SALT) first-generation instruments. , 2006, , .		12
107	Completion and commissioning of the Southern African Large Telescope. , 2006, 6267, 333.		131
108	First science with the Southern African Large Telescope: peering at the accreting polar caps of the eclipsing polar SDSS J015543.40+002807.2. Monthly Notices of the Royal Astronomical Society, 2006, 372, 151-162.	4.4	158

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109	The Southern African Large Telescope project. Proceedings of the International Astronomical Union, 2005, 1, 1-12.	0.0	5
110	Stokes imaging, Doppler mapping and Roche tomography of the AM Herculis system V834 Cen. Monthly Notices of the Royal Astronomical Society, 2004, 348, 316-324.	4.4	34
111	Indirect imaging of the accretion stream in eclipsing polars - IV. V895 Cen. Monthly Notices of the Royal Astronomical Society, 2002, 331, 488-494.	4.4	4
112	The Southern African Large Telescope:. New Astronomy Reviews, 2001, 45, 13-16.	12.8	7
113	The nature of TW Pictoris. Monthly Notices of the Royal Astronomical Society, 2000, 312, 362-370.	4.4	15
114	Simultaneous optical polarimetry and X-ray data of the near-synchronous polar RX J2115-5840. Monthly Notices of the Royal Astronomical Society, 2000, 316, 225-233.	4.4	24
115	<title>Design of the Southern African Large Telescope (SALT)</title> . , 2000, 4003, 355.		22
116	RX J2115-5840: confirmation of a new near-synchronous polar. Monthly Notices of the Royal Astronomical Society, 1999, 303, 96-100.	4.4	26
117	The optical counterparts to Be/X-ray binaries in the Magellanic Clouds. Monthly Notices of the Royal Astronomical Society, 1999, 309, 421-429.	4.4	34

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