

# David A H Buckley

## List of Publications by Year in descending order

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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	MASTER Optical Detection of the First LIGO/Virgo Neutron Star Binary Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 850, L1.	8.3	199
2	First science with the Southern African Large Telescope: peering at the accreting polar caps of the eclipsing polar SDSS J015543.40+002807.2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 151-162.	4.4	158
3	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017, 34, .	3.4	142
4	Completion and commissioning of the Southern African Large Telescope. , 2006, 6267, 333.		131
5	The Rapid Reddening and Featureless Optical Spectra of the Optical Counterpart of GW170817, AT 2017gfo, during the First Four Days. <i>Astrophysical Journal Letters</i> , 2017, 848, L32.	8.3	129
6	PySALT: the SALT science pipeline. <i>Proceedings of SPIE</i> , 2010, , .	0.8	115
7	Significant and variable linear polarization during the prompt optical flash of GRB 160625B. <i>Nature</i> , 2017, 547, 425-427.	27.8	93
8	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
9	X-ray quasi-periodic eruptions from two previously quiescent galaxies. <i>Nature</i> , 2021, 592, 704-707.	27.8	82
10	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
11	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
12	The metallicity extremes of the Sagittarius dSph: SALT spectroscopy of PNe<sup>â...</sup>. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 1667-1678.	4.4	72
13	The<i>XMM-Newton</i> survey of the Small Magellanic Cloud: The X-ray point-source catalogue. <i>Astronomy and Astrophysics</i> , 2013, 558, A3.	5.1	72
14	MULTI-WAVELENGTH OBSERVATIONS OF SUPERNOVA 2011ei: TIME-DEPENDENT CLASSIFICATION OF TYPE IIb AND Ib SUPERNOVAE AND IMPLICATIONS FOR THEIR PROGENITORS. <i>Astrophysical Journal</i> , 2013, 767, 71.	4.5	64
15	Discovery of a radio-emitting neutron star with an ultra-long spin period of 76â€‰s. <i>Nature Astronomy</i> , 2022, 6, 828-836.	10.1	63
16	Performance of the Southern African Large Telescope (SALT) High Resolution Spectrograph (HRS). <i>Proceedings of SPIE</i> , 2014, , .	0.8	56
17	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
18	Polarimetric evidence of a white dwarf pulsar in the binary system AR Scorpii. <i>Nature Astronomy</i> , 2017, 1, .	10.1	55

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19	New changing look case in NGC 1566. Monthly Notices of the Royal Astronomical Society, 2019, 483, 558-564.	4.4	55
20	The XMM-Newton survey of the Small Magellanic Cloud. Astronomy and Astrophysics, 2012, 545, A128.	5.1	52
21	RX J1712.6-2414: a polarized intermediate polar from the ROSAT Galactic Plane Survey. Monthly Notices of the Royal Astronomical Society, 1995, 275, 1028-1048.	4.4	51
22	ASASSN-18tb: a most unusual Type Ia supernova observed by TESS and SALT. Monthly Notices of the Royal Astronomical Society, 2019, 487, 2372-2384.	4.4	49
23	Photometry of 2006 RH <sub>120</sub> : an asteroid temporarily captured into geocentric orbit. Astronomy and Astrophysics, 2009, 495, 967-974.	5.1	45
24	ROSAT observations of RX J1712.6 – 2414: a discless intermediate polar?. Monthly Notices of the Royal Astronomical Society, 1997, 287, 117-123.	4.4	44
25	Early Spectral Evolution of Classical Novae: Consistent Evidence for Multiple Distinct Outflows. Astrophysical Journal, 2020, 905, 62.	4.5	43
26	The Rise and Fall of ASASSN-18pg: Following a TDE from Early to Late Times. Astrophysical Journal, 2020, 898, 161.	4.5	41
27	The SALT HRS spectrograph: final design, instrument capabilities, and operational modes. Proceedings of SPIE, 2010, , .	0.8	40
28	Polarized QPOs from the INTEGRAL polar IGRJ14536-5522 (=Swift J1453.4-5524). Monthly Notices of the Royal Astronomical Society, 2010, 402, 1161-1170.	4.4	38
29	The SALT HRS spectrograph: instrument integration and laboratory test results. Proceedings of SPIE, 2012, , .	0.8	35
30	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
31	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
32	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
33	A comparison between SALT/SAO observations and kilonova models for AT 2017gfo: the first electromagnetic counterpart of a gravitational wave transient GW170817. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 474, L71-L75.	3.3	34
34	To TDE or not to TDE: the luminous transient ASASSN-18jd with TDE-like and AGN-like qualities. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2538-2560.	4.4	34
35	Early polarization observations of the optical emission of gamma-ray bursts: GRB 150301B and GRB 150413A. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3312-3318.	4.4	33
36	First gravitational-wave burst GW150914: MASTER optical follow-up observations. Monthly Notices of the Royal Astronomical Society, 2017, 465, 3656-3667.	4.4	33

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37	TV Columbae in outburst: a mass transfer event?. Monthly Notices of the Royal Astronomical Society, 1993, 265, 766-772.	4.4	32
38	Lowly Polarized Light from a Highly Magnetized Jet of GRB 190114C. Astrophysical Journal, 2020, 892, 97.	4.5	31
39	The optical design of the Southern African large telescope high resolution spectrograph: SALT HRS. Proceedings of SPIE, 2008, , .	0.8	28
40	RX J2115-5840: confirmation of a new near-synchronous polar. Monthly Notices of the Royal Astronomical Society, 1999, 303, 96-100.	4.4	26
41	Multiwavelength observations of V407 Lupi (ASASSN-16kt) â€“ a very fast nova erupting in an intermediate polar. Monthly Notices of the Royal Astronomical Society, 2018, 480, 572-609.	4.4	26
42	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
43	Prolonged sub-luminous state of the new transitional pulsar candidate CXOU J110926.4â”650224. Astronomy and Astrophysics, 2019, 622, A211.	5.1	24
44	A persistent ultraviolet outflow from an accreting neutron star binary transient. Nature, 2022, 603, 52-57.	27.8	24
45	<title>Design of the Southern African Large Telescope (SALT)</title> . , 2000, 4003, 355.		22
46	The curtain remains open: NGCâ2617 continues in a high state. Monthly Notices of the Royal Astronomical Society, 0, , stx149.	4.4	22
47	Discovery and follow-up of the unusual nuclear transient OGLE17aaj. Astronomy and Astrophysics, 2019, 622, L2.	5.1	22
48	The 2018 outburst of BHXB H1743â”322 as seen with MeerKAT. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 491, L29-L33.	3.3	21
49	MKTâJ170456.2â€“482100: the first transient discovered by MeerKAT. Monthly Notices of the Royal Astronomical Society, 2020, 491, 560-575.	4.4	20
50	Multiwavelength observations of nova SMCN 2016-10a â€“ one of the brightest novae ever observed. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2679-2705.	4.4	19
51	Hot, dense Heâ€%<sc>i</sc> outflows during the 2017 outburst of the X-ray transient <i>Swift</i>âJ1357.2â”0933. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 489, L47-L52.	3.3	19
52	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
53	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
54	TESS observations of the asynchronous polar CD Ind: mapping the changing accretion geometry. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2549-2556.	4.4	16

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55	Optical, X-ray, and $\hat{\gamma}$ -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
56	Optical Observations Reveal Strong Evidence for High-energy Neutrino Progenitor. <i>Astrophysical Journal Letters</i> , 2020, 896, L19.	8.3	16
57	IGR J19552+0044: A new asynchronous short period polar. <i>Astronomy and Astrophysics</i> , 2017, 608, A36.	5.1	16
58	Identification of two southern X-ray emitting cataclysmic variables. <i>Astrophysical Journal</i> , 1986, 311, 275.	4.5	16
59	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
60	The nature of TW Pictoris. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 312, 362-370.	4.4	15
61	SN 2010kd: Photometric and Spectroscopic Analysis of a Slow-decaying Superluminous Supernova. <i>Astrophysical Journal</i> , 2020, 892, 28.	4.5	15
62	Identification of high-mass X-ray binaries selected from <i>XMM-Newton</i> observations of the LMC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3253-3261.	4.4	14
63	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
64	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
65	The evolution of rapid optical/X-ray timing correlations in the initial hard state of MAXI J1820+070. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3452-3469.	4.4	13
66	Status of the Southern African Large Telescope (SALT) first-generation instruments. , 2006, , .		12
67	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
68	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
69	Radio and optical observations of the possible AE Aqr twin, LAMOST J024048.51+195226.9. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3692-3697.	4.4	12
70	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
71	Large optical modulations during 2018 outburst of MAXI J1820+070 reveal evolution of warped accretion disc through X-ray state change. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 1062-1074.	4.4	11
72	An accreting white dwarf displaying fast transitional mode switching. <i>Nature Astronomy</i> , 2022, 6, 98-102.	10.1	11

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73	A VLT-ULTRACAM study of the fast optical quasi-periodic oscillations in the polar V834 Centauri. <i>Astronomy and Astrophysics</i> , 2017, 600, A53.	5.1	10
74	A reevaluation of the proposed spin-down of the white dwarf pulsar in AR Scorpii. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 478, L78-L82.	3.3	10
75	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
76	Spectropolarimetry and photometry of the early afterglow of the gamma-ray burst GRB 191221B. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4621-4631.	4.4	10
77	Localized thermonuclear bursts from accreting magnetic white dwarfs. <i>Nature</i> , 2022, 604, 447-450.	27.8	10
78	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
79	ThunderKAT: The MeerKAT Large Survey Project for Image-Plane Radio Transients. , 2018, , .		9
80	The early afterglow of GRB 190829A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 2337-2349.	4.4	9
81	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
82	Commissioning of the Southern African Large Telescopes (SALT) first-generation instruments. <i>Proceedings of SPIE</i> , 2008, , .	0.8	8
83	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
84	RX J0529.8+6556: a BeXRB pulsar with an evolving optical period and out of phase X-ray outbursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 6187-6201.	4.4	8
85	H0534 - 581: A new intermediate polar?. <i>Astrophysical Journal</i> , 1990, 349, 296.	4.5	8
86	The Southern African Large Telescope:. <i>New Astronomy Reviews</i> , 2001, 45, 13-16.	12.8	7
87	Discovery of spin-modulated circular polarization from IGR J17014+4306, the remnant of Nova Scorpii 1437 AD. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 4692-4697.	4.4	7
88	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
89	Progenitor mass constraints for the type Ib intermediate-luminosity SN 2015ap and the highly extinguished SN 2016bau. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2530-2547.	4.4	7
90	Simultaneous X-ray and radio observations of the transitional millisecond pulsar candidate CXOU J110926.4-650224. <i>Astronomy and Astrophysics</i> , 2021, 655, A52.	5.1	7

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91	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
92	Triggering microminor flares through magnetically confined accretion flows in accreting white dwarfs. Monthly Notices of the Royal Astronomical Society: Letters, 2022, 514, L11-L15.	3.0	7
93	MASTER Real-Time Multi-Message Observations of High Energy Phenomena. Universe, 2022, 8, 271.	2.5	7

94

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109	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
110	On the Polarized Absorption Lines in Gamma-Ray Burst Optical Afterglows. <i>Astrophysical Journal</i> , 2021, 914, 134.	4.5	3
111	The magnetic system SMSSJ1606 <sup>+</sup> 1000 as a period bouncer. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 507, L30-L35.	3.3	3
112	Swift/XRT Deep Galactic Plane Survey Discovery of a New Intermediate Polar Cataclysmic Variable, Swift J183920.1-045350. <i>Astrophysical Journal</i> , 2021, 923, 243.	4.5	3
113	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
114	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
115	Discovery, observations, and modelling of a new eclipsing polar: MASTEROTJ061451.70 – 272535.5. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3831-3845.	4.4	2
116	Infrared Spectroscopy of the Recent Outburst in V1047 Cen (Nova Centauri 2005). <i>Astrophysical Journal Letters</i> , 2019, 886, L14.	8.3	2
117	Polarimetric Evidence of the First White Dwarf Pulsar: The Binary System AR Scorpii. <i>Galaxies</i> , 2018, 6, 14.	3.0	1
118	Towards a BRICS Optical Transient Network (BRICS-OTN). <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200917.	0.8	1
119	The Be/neutron star system SwiftJ004929.5-733107 in the Small Magellanic Cloud – X-ray characteristics and optical counterpart candidates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 1398-1406.	4.4	1
120	Observations of AR Sco with Chandra and AstroSat soft X-ray telescope. <i>Journal of Astrophysics and Astronomy</i> , 2021, 42, 1.	1.0	1
121	Disentangling the neighbouring pulsars SXP15.3 and SXP305. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	1
122	The SALT Transient Programme. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 176-180.	0.0	0
123	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
124	Towards a BRICS Astronomy Network. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201759.	0.8	0
125	IKI GRB-FuN: observations of GRBs with small-aperture telescopes. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200883.	0.8	0