

Paul O'brien

List of Publications by Year in descending order

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141
papers

10,246
citations

36271

51
h-index

32815

100
g-index

143
all docs

143
docs citations

143
times ranked

6875
citing authors

#	ARTICLE	IF	CITATIONS
1	The Gravitational-wave Optical Transient Observer (GOTO): prototype performance and prospects for transient science. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2405-2422.	1.6	18
2	Time-resolved hadronic particle acceleration in the recurrent nova RS Ophiuchi. <i>Science</i> , 2022, 376, 77-80.	6.0	35
3	A MeerKAT, e-MERLIN, H.E.S.S., and <i>Swift</i> search for persistent and transient emission associated with three localized FRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1365-1379.	1.6	4
4	Processing GOTO survey data with the Rubin Observatory LSST Science Pipelines II: Forced Photometry and lightcurves. <i>Publications of the Astronomical Society of Australia</i> , 2021, 38, .	1.3	1
5	Swift Multiwavelength Follow-up of LVC S200224ca and the Implications for Binary Black Hole Mergers. <i>Astrophysical Journal</i> , 2021, 907, 97.	1.6	7
6	Evidence that short-period AM CVn systems are diverse in outburst behaviour. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4953-4962.	1.6	11
7	Transient-optimized real-bogus classification with Bayesian convolutional neural networks – sifting the GOTO candidate stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 4838-4854.	1.6	19
8	H.E.S.S. and MAGIC observations of a sudden cessation of a very-high-energy γ -ray flare in PKS 1510-089 in May 2016. <i>Astronomy and Astrophysics</i> , 2021, 648, A23.	2.1	18
9	Search for dark matter annihilation in the Wolf-Lundmark-Melotte dwarf irregular galaxy with H.E.S.S.. <i>Physical Review D</i> , 2021, 103, .	1.6	13
10	Light-curve classification with recurrent neural networks for GOTO: dealing with imbalanced data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4345-4361.	1.6	17
11	Gamma ray burst studies with THESEUS. <i>Experimental Astronomy</i> , 2021, 52, 277-308.	1.6	9
12	Revealing x-ray and gamma ray temporal and spectral similarities in the GRB 190829A afterglow. <i>Science</i> , 2021, 372, 1081-1085.	6.0	86
13	On the Existence of the Plateau Emission in High-energy Gamma-Ray Burst Light Curves Observed by Fermi-LAT. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 13.	3.0	25
14	Synergies of THESEUS with the large facilities of the 2030s and guest observer opportunities. <i>Experimental Astronomy</i> , 2021, 52, 407-437.	1.6	8
15	Exploration of the high-redshift universe enabled by THESEUS. <i>Experimental Astronomy</i> , 2021, 52, 219-244.	1.6	12
16	Search for Dark Matter Annihilation Signals from Unidentified Fermi-LAT Objects with H.E.S.S.. <i>Astrophysical Journal</i> , 2021, 918, 17.	1.6	10
17	<i>Swift</i> /UVOT follow-up of gravitational wave alerts in the O3 era. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 1296-1317.	1.6	15
18	Searching for <i>Fermi</i> GRB optical counterparts with the prototype Gravitational-wave Optical Transient Observer (GOTO). <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5463-5476.	1.6	3

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19	Time domain astronomy with the THESEUS satellite. <i>Experimental Astronomy</i> , 2021, 52, 309-406.	1.6	7
20	H.E.S.S. Follow-up Observations of Binary Black Hole Coalescence Events during the Second and Third Gravitational-wave Observing Runs of Advanced LIGO and Advanced Virgo. <i>Astrophysical Journal</i> , 2021, 923, 109.	1.6	6
21	Searching for electromagnetic counterparts to gravitational-wave merger events with the prototype Gravitational-Wave Optical Transient Observer (GOTO-4). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 726-738.	1.6	68
22	Machine learning for transient recognition in difference imaging with minimum sampling effort. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 6009-6017.	1.6	9
23	Very high energy $\hat{\gamma}$ -ray emission from two blazars of unknown redshift and upper limits on their distance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5590-5602.	1.6	19
24	Observational constraints on the optical and near-infrared emission from the neutron starâ€“black hole binary merger candidate S190814bv. <i>Astronomy and Astrophysics</i> , 2020, 643, A113.	2.1	70
25	<i>Swift</i> -XRT follow-up of gravitational wave triggers during the third aLIGO/Virgo observing run. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3459-3480.	1.6	31
26	Short GRB 160821B: A Reverse Shock, a Refreshed Shock, and a Well-sampled Kilonova. <i>Astrophysical Journal</i> , 2019, 883, 48.	1.6	96
27	An unusual transient following the short GRB 071227. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 13-27.	1.6	2
28	X-ray properties of two transient ULX candidates in galaxy NGC 7090. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 5709-5715.	1.6	7
29	H.E.S.S. observations of the flaring gravitationally lensed galaxy PKSâ€“1830â€“211. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 3886-3891.	1.6	5
30	A very-high-energy component deep in the $\hat{\gamma}$ -ray burst afterglow. <i>Nature</i> , 2019, 575, 464-467.	13.7	166
31	Observation of inverse Compton emission from a long $\hat{\gamma}$ -ray burst. <i>Nature</i> , 2019, 575, 459-463.	13.7	146
32	Unveiling the enigma of ATLAS17aeu. <i>Astronomy and Astrophysics</i> , 2019, 621, A81.	2.1	1
33	Particle transport within the pulsar wind nebula HESS J1825â€“137. <i>Astronomy and Astrophysics</i> , 2019, 621, A116.	2.1	57
34	The 2014 TeV $\hat{\gamma}$ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation. <i>Astrophysical Journal</i> , 2019, 870, 93.	1.6	47
35	SPLIT: a snapshot survey for polarized light in optical transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5023-5040.	1.6	11
36	Swift-XRT Follow-up of Gravitational-wave Triggers in the Second Advanced LIGO/Virgo Observing Run. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 15.	3.0	16

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37	High-energy astrophysics and the search for sources of gravitational waves. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170294.	1.6	1
38	The population of TeV pulsar wind nebulae in the H.E.S.S. Galactic Plane Survey. <i>Astronomy and Astrophysics</i> , 2018, 612, A2.	2.1	117
39	Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars. <i>Astronomy and Astrophysics</i> , 2018, 612, A12.	2.1	13
40	GRB 171205A/SN 2017iuk: A local low-luminosity gamma-ray burst. <i>Astronomy and Astrophysics</i> , 2018, 619, A66.	2.1	36
41	The γ -ray spectrum of the core of Centaurus A as observed with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2018, 619, A71.	2.1	28
42	Population study of Galactic supernova remnants at very high γ -ray energies with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A3.	2.1	44
43	H.E.S.S. observations of RX J1713.7 $\hat{\sim}$ 3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell. <i>Astronomy and Astrophysics</i> , 2018, 612, A6.	2.1	95
44	Low-frequency View of GW170817/GRB 170817A with the Giant Metrewave Radio Telescope. <i>Astrophysical Journal</i> , 2018, 867, 57.	1.6	79
45	Resolving the X-Ray Obscuration in a Low-flux Observation of the Quasar PDS 456. <i>Astrophysical Journal</i> , 2018, 867, 38.	1.6	15
46	The supernova remnant W49B as seen with H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2018, 612, A5.	2.1	35
47	The starburst galaxy NGC 253 revisited by H.E.S.S. and Fermi-LAT. <i>Astronomy and Astrophysics</i> , 2018, 617, A73.	2.1	41
48	First ground-based measurement of sub-20 GeV to 100 GeV γ -Rays from the Vela pulsar with H.E.S.S. II. <i>Astronomy and Astrophysics</i> , 2018, 620, A66.	2.1	32
49	Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A9.	2.1	52
50	HESS J1741 $\hat{\sim}$ 302: a hidden accelerator in the Galactic plane. <i>Astronomy and Astrophysics</i> , 2018, 612, A13.	2.1	4
51	A search for new supernova remnant shells in the Galactic plane with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2018, 612, A8.	2.1	32
52	Search for γ -Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with H.E.S.S.. <i>Physical Review Letters</i> , 2018, 120, 201101.	2.9	105
53	The THESEUS space mission concept: science case, design and expected performances. <i>Advances in Space Research</i> , 2018, 62, 191-244.	1.2	133
54	THESEUS: A key space mission concept for Multi-Messenger Astrophysics. <i>Advances in Space Research</i> , 2018, 62, 662-682.	1.2	56

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73	H.E.S.S. Limits on Linelike Dark Matter Signatures in the 100ÂGeV to 2ÂTeV Energy Range Close to the Galactic Center. <i>Physical Review Letters</i> , 2016, 117, 151302.	2.9	43
74	LATE TIME MULTI-WAVELENGTH OBSERVATIONS OF SWIFT J1644+5734: A LUMINOUS OPTICAL/IR BUMP AND QUIESCENT X-RAY EMISSION. <i>Astrophysical Journal</i> , 2016, 819, 51.	1.6	30
75	Black hole feedback in the luminous quasar PDS 456. <i>Science</i> , 2015, 347, 860-863.	6.0	194
76	Flows of X-ray gas reveal the disruption of a star by a massive black hole. <i>Nature</i> , 2015, 526, 542-545.	13.7	144
77	Circular polarization in the optical afterglow of GRB 121024A. <i>Nature</i> , 2014, 509, 201-204.	13.7	82
78	GRB 130427A: A Nearby Ordinary Monster. <i>Science</i> , 2014, 343, 48-51.	6.0	105
79	GRB 120422A/SN 2012bz: Bridging the gap between low- and high-luminosity gamma-ray bursts. <i>Astronomy and Astrophysics</i> , 2014, 566, A102.	2.1	87
80	Search for TeV Gamma-ray Emission from GRB 100621A, an extremely bright GRB in X-rays, with H.E.S.S.. <i>Astronomy and Astrophysics</i> , 2014, 565, A16.	2.1	174
81	X-ray absorption evolution in gamma-ray bursts: intergalactic medium or evolutionary signature of their host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3159-3176.	1.6	55
82	Can magnetar spin-down power extended emission in some short GRBs?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 1745-1751.	1.6	105
83	The transient gravitational-wave sky. <i>Classical and Quantum Gravity</i> , 2013, 30, 193002.	1.5	40
84	ORIGIN: metal creation and evolution from the cosmic dawn. <i>Experimental Astronomy</i> , 2012, 34, 519-549.	1.6	6
85	The origin of the early-time optical emission of Swift GRB 080310ã~.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 421, 2692-2712.	1.6	11
86	ARE ALL SHORT-HARD GAMMA-RAY BURSTS PRODUCED FROM MERGERS OF COMPACT STELLAR OBJECTS?. <i>Astrophysical Journal</i> , 2011, 727, 109.	1.6	66
87	Swift follow-up of unidentified X-ray sources in the XMM-Newton Slew Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 1853-1869.	1.6	8
88	A tale of two GRB-SNe at a common redshift of $z=0.54$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 669-685.	1.6	72
89	A faint optical flash in dust-obscured GRB 080603A: implications for GRB prompt emission mechanisms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 2124-2143.	1.6	32
90	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	1.6	640

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91	An Extremely Luminous Panchromatic Outburst from the Nucleus of a Distant Galaxy. <i>Science</i> , 2011, 333, 199-202.	6.0	290
92	<i>Suzaku</i> observation of the LINER NGC 4102. <i>Astronomy and Astrophysics</i> , 2011, 527, A142.	2.1	19
93	GRB 090902B: AFTERGLOW OBSERVATIONS AND IMPLICATIONS. <i>Astrophysical Journal</i> , 2010, 714, 799-804.	1.6	36
94	The rising X-ray afterglow of GRB 080307. , 2009, , .		0
95	EDGE: Explorer of diffuse emission and gamma-ray burst explosions. <i>Experimental Astronomy</i> , 2009, 23, 67-89.	1.6	19
96	An extremely luminous X-ray outburst at the birth of a supernova. <i>Nature</i> , 2008, 453, 469-474.	13.7	407
97	Broadband observations of the naked-eye $\hat{1}^3$ -ray burst GRB 080319B. <i>Nature</i> , 2008, 455, 183-188.	13.7	449
98	Spectral evolution as a probe of GRB physics. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
99	A new universal photon energy-luminosity relationship for GRBs. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
100	Multiwavelength Analysis of the Intriguing GRB 061126: The Reverse Shock Scenario and Magnetization. <i>Astrophysical Journal</i> , 2008, 687, 443-455.	1.6	72
101	Correlations of Prompt and Afterglow Emission in <i>Swift</i> Long and Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2008, 689, 1161-1172.	1.6	100
102	Line Searches in <i>Swift</i> X-Ray Spectra. <i>Astrophysical Journal</i> , 2008, 679, 587-606.	1.6	31
103	The Early-Time Optical Properties of Gamma-Ray Burst Afterglows. <i>Astrophysical Journal</i> , 2008, 686, 1209-1230.	1.6	68
104	A Tale of Two Faint Bursts: GRB 050223 and GRB 050911. , 2007, , .		0
105	<i>Swift</i> Observations of GRB 070110: An Extraordinary X-Ray Afterglow Powered by the Central Engine. <i>Astrophysical Journal</i> , 2007, 665, 599-607.	1.6	237
106	Detection of GRB 060927 at <i>z</i> = 5.47: Implications for the Use of Gamma-Ray Bursts as Probes of the End of the Dark Ages. <i>Astrophysical Journal</i> , 2007, 669, 1-9.	1.6	56
107	Testing the Standard Fireball Model of Gamma-Ray Bursts Using Late X-Ray Afterglows Measured by Swift. <i>Astrophysical Journal</i> , 2007, 662, 1093-1110.	1.6	230
108	The Remarkable Afterglow of GRB 061007: Implications for Optical Flashes and GRB Fireballs. <i>Astrophysical Journal</i> , 2007, 660, 489-495.	1.6	80

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109	GRB 061121: Broadband Spectral Evolution through the Prompt and Afterglow Phases of a Bright Burst. <i>Astrophysical Journal</i> , 2007, 663, 1125-1138.	1.6	96
110	Gamma-ray bursts in the Swift era. <i>Astrophysics and Space Science</i> , 2007, 311, 167-175.	0.5	4
111	Swift Discovery of Gamma-ray Bursts without a Jet Break Feature in Their X-ray Afterglows. <i>Astrophysical Journal</i> , 2007, 657, 359-366.	1.6	39
112	The First Survey of X-ray Flares from Gamma-ray Bursts Observed by <i>Swift</i> : Temporal Properties and Morphology. <i>Astrophysical Journal</i> , 2007, 671, 1903-1920.	1.6	202
113	Swift Observations of the X-ray "Bright GRB 050315. <i>Astrophysical Journal</i> , 2006, 638, 920-929.	1.6	128
114	Swift Panchromatic Observations of the Bright Gamma-ray Burst GRB 050525a. <i>Astrophysical Journal</i> , 2006, 637, 901-913.	1.6	95
115	Evidence for a Canonical Gamma-ray Burst Afterglow Light Curve in the Swift XRT Data. <i>Astrophysical Journal</i> , 2006, 642, 389-400.	1.6	710
116	The Soft X-ray Blast in the Apparently Subluminous GRB 031203. <i>Astrophysical Journal</i> , 2006, 636, 967-970.	1.6	28
117	The Giant X-ray Flare of GRB 050502B: Evidence for Late-time Internal Engine Activity. <i>Astrophysical Journal</i> , 2006, 641, 1010-1017.	1.6	145
118	The First Swift X-ray Flash: The Faint Afterglow of XRF 050215B. <i>Astrophysical Journal</i> , 2006, 648, 1132-1138.	1.6	11
119	Swift X-ray Telescope Observations of the Deep Impact Collision. <i>Astrophysical Journal</i> , 2006, 649, 541-552.	1.6	17
120	Testing the Curvature Effect and Internal Origin of Gamma-ray Burst Prompt Emissions and X-ray Flares with Swift Data. <i>Astrophysical Journal</i> , 2006, 646, 351-357.	1.6	184
121	The Early X-ray Emission from GRBs. <i>Astrophysical Journal</i> , 2006, 647, 1213-1237.	1.6	354
122	The Swift Prompt Sample. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
123	GRB 050421: A possible naked burst with X-ray flares. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
124	The Swift XRT: Observations of Early X-ray Afterglows. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
125	GRB 050117: Simultaneous Gamma-ray and X-ray Observations with the Swift Satellite. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
126	A Tale of Two Faint Bursts: GRB 050223 and GRB 050911. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0

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127	Late-Time X-ray Flares during GRB Afterglows: Extended Internal Engine Activity. AIP Conference Proceedings, 2006, , .	0.3	2
128	Evidence for intrinsic absorption in the Swift X-ray afterglows. AIP Conference Proceedings, 2006, , .	0.3	0
129	The Dust-Scattered X-Ray Halo around Swift GRB 050724. Astrophysical Journal, 2006, 639, 323-330.	1.6	35
130	Resolving the Large-Scale Spectral Variability of the Luminous Seyfert 1 Galaxy 1H 0419 ⁺ 577: Evidence for a New Emission Component and Absorption by Cold Dense Matter. Astrophysical Journal, 2004, 616, 696-706.	1.6	38
131	An XMM-Newton Observation of the Seyfert 1 Galaxy 1H 0419 ⁺ 577 in an Extreme Low State. Astrophysical Journal, 2004, 605, 670-676.	1.6	30
132	The X-Ray Spectrum of the Seyfert I Galaxy Markarian 766: Dusty Warm Absorber or Relativistic Emission Lines?. Astrophysical Journal, 2003, 582, 95-104.	1.6	44
133	The Remarkably Featureless High-Resolution X-Ray Spectrum of Markarian 478. Astronomical Journal, 2003, 125, 459-464.	1.9	17
134	Observing the unobservable: Coronal line data from narrow-line Seyfert is as a test of EUV continuum models. AIP Conference Proceedings, 2001, , .	0.3	0
135	PDS 456: An extreme accretion rate quasar?. AIP Conference Proceedings, 2001, , .	0.3	0
136	Multiwavelength Monitoring of the Narrow-Line Seyfert 1 Galaxy Arakelian 564. II. Ultraviolet Continuum and Emission-Line Variability. Astrophysical Journal, 2001, 561, 146-161.	1.6	62
137	The Complex X-Ray Absorbers of NGC 3516 Observed by BEPOSAX. Astrophysical Journal, 2000, 544, 283-292.	1.6	20
138	Optical and infrared observations of the luminous quasar PDS 456: a radio-quiet analogue of 3C 273?. Monthly Notices of the Royal Astronomical Society, 1999, 303, L23-L28.	1.6	34
139	The variable broad emission line spectrum of 4C37.43 ⁺ . Monthly Notices of the Royal Astronomical Society, 1991, 250, 377-384.	1.6	4
140	Lyman-alpha emission in star-forming galaxies. Astrophysical Journal, 1988, 326, 101.	1.6	46
141	VHE γ -ray discovery and multi-wavelength study of the blazar 1ES 2322-409. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	3