

Julian Osborne

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

7,826
citations

186265

28
h-index

82547

72
g-index

88
all docs

88
docs citations

88
times ranked

6454
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Swift X-Ray Telescope. <i>Space Science Reviews</i> , 2005, 120, 165-195. | 8.1 | 1,940 |
| 2 | Methods and results of an automatic analysis of a complete sample of <i>Swift</i> -XRT observations of GRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 1177-1201. | 4.4 | 1,280 |
| 3 | Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, . | 12.6 | 654 |
| 4 | 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. | 3.7 | 640 |
| 5 | The Emergence of a Lanthanide-rich Kilonova Following the Merger of Two Neutron Stars. <i>Astrophysical Journal Letters</i> , 2017, 848, L27. | 8.3 | 507 |
| 6 | <i>Swift</i> and <i>NuSTAR</i> observations of GW170817: Detection of a blue kilonova. <i>Science</i> , 2017, 358, 1565-1570. | 12.6 | 399 |
| 7 | The optical afterglow of the short gamma-ray burst associated with GW170817. <i>Nature Astronomy</i> , 2018, 2, 751-754. | 10.1 | 185 |
| 8 | A Multimessenger Picture of the Flaring Blazar TXS 0506+056: Implications for High-energy Neutrino Emission and Cosmic-Ray Acceleration. <i>Astrophysical Journal</i> , 2018, 864, 84. | 4.5 | 184 |
| 9 | Observation of inverse Compton emission from a long $\hat{1}$ -ray burst. <i>Nature</i> , 2019, 575, 459-463. | 27.8 | 146 |
| 10 | 1SXPS: A DEEP <i>SWIFT</i> X-RAY TELESCOPE POINT SOURCE CATALOG WITH LIGHT CURVES AND SPECTRA. <i>Astrophysical Journal</i> , Supplement Series, 2014, 210, 8. | 7.7 | 128 |
| 11 | The prompt-afterglow connection in gamma-ray bursts: a comprehensive statistical analysis of Swift X-ray light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 729-742. | 4.4 | 123 |
| 12 | <i>SWIFT</i> X-RAY OBSERVATIONS OF CLASSICAL NOVAE. II. THE SUPER SOFT SOURCE SAMPLE. <i>Astrophysical Journal</i> , Supplement Series, 2011, 197, 31. | 7.7 | 122 |
| 13 | 2SXPS: An Improved and Expanded Swift X-Ray Telescope Point-source Catalog. <i>Astrophysical Journal</i> , Supplement Series, 2020, 247, 54. | 7.7 | 116 |
| 14 | The Environment of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2017, 848, L28. | 8.3 | 114 |
| 15 | THE SUPERSOFT X-RAY PHASE OF NOVA RS OPHIUCHI 2006. <i>Astrophysical Journal</i> , 2011, 727, 124. | 4.5 | 93 |
| 16 | Swift spectra of AT2018cow: a white dwarf tidal disruption event?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 2505-2521. | 4.4 | 63 |
| 17 | RE 1034+39: a high-state Seyfert galaxy?. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 57 |
| 18 | M31N 2008-12aâ€”THE REMARKABLE RECURRENT NOVA IN M31: PANCHROMATIC OBSERVATIONS OF THE 2015 ERUPTION. <i>Astrophysical Journal</i> , 2016, 833, 149. | 4.5 | 50 |

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|----|---|-----|-----------|
| 19 | Observatory science with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 5.1 | 50 |
| 20 | <i>XMM-NEWTON</i> X-RAY AND ULTRAVIOLET OBSERVATIONS OF THE FAST NOVA V2491 Cyg DURING THE SUPERSOFT SOURCE PHASE. <i>Astrophysical Journal</i> , 2011, 733, 70. | 4.5 | 48 |
| 21 | Swift observations of V404 Cyg during the 2015 outburst: X-ray outflows from super-Eddington accretion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1797-1818. | 4.4 | 47 |
| 22 | Obscuration effects in super-soft-source X-ray spectra. <i>Astronomy and Astrophysics</i> , 2013, 559, A50. | 5.1 | 45 |
| 23 | The X-ray spectrum of the dwarf nova SS Cyg in quiescence and outburst. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 288, 649-664. | 4.4 | 41 |
| 24 | <i>Swift</i> detection of the super-swift switch-on of the super-soft phase in nova V745 Sco (2014). <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 3108-3120. | 4.4 | 40 |
| 25 | <i>Swift</i> follow-up of gravitational wave triggers: results from the first aLIGO run and optimization for the future. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1591-1602. | 4.4 | 36 |
| 26 | Optimization of the Swift X-ray follow-up of Advanced LIGO and Virgo gravitational wave triggers in 2015â€“16. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1522-1537. | 4.4 | 32 |
| 27 | The THESEUS space mission: science goals, requirements and mission concept. <i>Experimental Astronomy</i> , 2021, 52, 183-218. | 3.7 | 32 |
| 28 | THE 7.1 HR X-RAY-ULTRAVIOLET-NEAR-INFRARED PERIOD OF THE Î³-RAY CLASSICAL NOVA MONOCEROTIS 2012. <i>Astrophysical Journal Letters</i> , 2013, 768, L26. | 8.3 | 31 |
| 29 | <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. | 4.4 | 31 |
| 30 | <i>SWIFT</i> X-RAY AND ULTRAVIOLET MONITORING OF THE CLASSICAL NOVA V458 VUL (NOVA VUL 2007). <i>Astronomical Journal</i> , 2009, 137, 4160-4168. | 4.7 | 28 |
| 31 | Getting to know classical novae with Swift. <i>Journal of High Energy Astrophysics</i> , 2015, 7, 117-125. | 6.7 | 27 |
| 32 | Accretion in strong field gravity with eXTP. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1. | 5.1 | 27 |
| 33 | Multiwavelength observations of V407 Lupi (ASASSN-16kt) â€“ a very fast nova erupting in an intermediate polar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 572-609. | 4.4 | 26 |
| 34 | The multi-temperature X-ray spectrum of the intermediate polar V1223 Sagittarii. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 315, 307-315. | 4.4 | 25 |
| 35 | <i>Swift</i> follow-up of the gravitational wave source GW150914. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 460, L40-L44. | 3.3 | 24 |
| 36 | Breaking the Habit: The Peculiar 2016 Eruption of the Unique Recurrent Nova M31N 2008-12a. <i>Astrophysical Journal</i> , 2018, 857, 68. | 4.5 | 24 |

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|----|---|-----|-----------|
| 37 | The short period supersoft source in M31. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 329, L43-L46. | 4.4 | 23 |
| 38 | Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. <i>Physical Review Letters</i> , 2019, 122, 051102. | 7.8 | 23 |
| 39 | Cherenkov Telescope Array is well suited to follow up gravitational-wave transients. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 738-749. | 4.4 | 22 |
| 40 | Swift follow-up of IceCube triggers, and implications for the Advanced-LIGO era. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 2210-2223. | 4.4 | 22 |
| 41 | The panchromatic spectroscopic evolution of the classical CO nova V339 Delphini (Nova Del 2013) until X-ray turnoff. <i>Astronomy and Astrophysics</i> , 2016, 590, A123. | 5.1 | 22 |
| 42 | ROSAT constraints on the intermediate polar candidates V 426 Oph, SW UMa and 1H0709 - 360. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 269, 913-920. | 4.4 | 21 |
| 43 | The 2021 outburst of the recurrent nova RS Ophiuchi observed in X-rays by the <i>Neil Gehrels Swift Observatory</i> : a comparative study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1557-1574. | 4.4 | 21 |
| 44 | PAN-CHROMATIC OBSERVATIONS OF THE RECURRENT NOVA LMC 2009a (LMC 1971b). <i>Astrophysical Journal</i> , 2016, 818, 145. | 4.5 | 20 |
| 45 | Multiwavelength observations of nova SMCN 2016-10a – one of the brightest novae ever observed. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2679-2705. | 4.4 | 19 |
| 46 | Infrared observations of the 2006 outburst of the recurrent nova RS Ophiuchi: the early phase. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2007, 374, L1-L5. | 3.3 | 17 |
| 47 | Lord of the Rings – Return of the King: <i>Swift</i> -XRT observations of dust scattering rings around V404 Cygni. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1847-1863. | 4.4 | 16 |
| 48 | 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. | 7.7 | 16 |
| 49 | CC Sculptoris: a superhumping intermediate polar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 1004-1013. | 4.4 | 15 |
| 50 | <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. | 4.4 | 15 |
| 51 | The 2019 eruption of recurrent nova V3890 Sgr: observations by <i>Swift</i> , NICER, and SMARTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 4814-4831. | 4.4 | 15 |
| 52 | THE 2010 ERUPTION OF THE RECURRENT NOVA U SCORPII: THE MULTI-WAVELENGTH LIGHT CURVE. <i>Astrophysical Journal</i> , 2015, 811, 32. | 4.5 | 14 |
| 53 | Exploration of the high-redshift universe enabled by THESEUS. <i>Experimental Astronomy</i> , 2021, 52, 219-244. | 3.7 | 12 |
| 54 | Multi-messenger astrophysics with THESEUS in the 2030s. <i>Experimental Astronomy</i> , 2021, 52, 245-275. | 3.7 | 12 |

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|----|---|-----|-----------|
| 55 | The Remarkable Spin-down and Ultrafast Outflows of the Highly Pulsed Supersoft Source of Nova Herculis 2021. <i>Astrophysical Journal Letters</i> , 2021, 922, L42. | 8.3 | 10 |
| 56 | The 2016 January eruption of recurrent Nova LMC 1968. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 655-679. | 4.4 | 8 |
| 57 | Synergies of THESEUS with the large facilities of the 2030s and guest observer opportunities. <i>Experimental Astronomy</i> , 2021, 52, 407-437. | 3.7 | 8 |
| 58 | 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. | 4.4 | 7 |
| 59 | Swift Multiwavelength Follow-up of LVC S200224ca and the Implications for Binary Black Hole Mergers. <i>Astrophysical Journal</i> , 2021, 907, 97. | 4.5 | 7 |
| 60 | Time domain astronomy with the THESEUS satellite. <i>Experimental Astronomy</i> , 2021, 52, 309-406. | 3.7 | 7 |
| 61 | The <i>Ginga</i> hard X-ray spectrum of AM Herculis. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 6 |
| 62 | A <i>Ginga</i> hard X-ray search for 1-3 s quasi-periodic oscillations in AM Herculis systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 286, 77-80. | 4.4 | 6 |
| 63 | Serendipitous Asteroid Lightcurve Survey Using SuperWASP. <i>Earth, Moon and Planets</i> , 2006, 97, 261-268. | 0.6 | 5 |
| 64 | In-flight calibration of the Swift XRT effective area. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 3 |
| 65 | Understanding the Death of Massive Stars Using an Astrophysical Transients Observatory. <i>Frontiers in Astronomy and Space Sciences</i> , 2018, 5, . | 2.8 | 3 |
| 66 | Design and implementation of electron diverters for lobster eye space-based X-ray optics. <i>Review of Scientific Instruments</i> , 2019, 90, 124502. | 1.3 | 3 |
| 67 | The in-flight spectroscopic calibration of the Swift XRT CCD camera. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 2 |
| 68 | Late-Time X-ray Flares during GRB Afterglows: Extended Internal Engine Activity. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 2 |
| 69 | GRB 050717: A Long, Short-Lag Burst Observed by Swift and Konus. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 1 |
| 70 | The Swift XRT: Observations of Early X-ray Afterglows. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 1 |
| 71 | The prompt and early afterglow X-ray spectra of Swift GRBs. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 1 |
| 72 | GRB 050904: the oldest cosmic explosion ever observed in the Universe. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Improving Swift-XRT positions of GRBs. AIP Conference Proceedings, 2008, , . | 0.4 | 1 |
| 74 | GRB sample statistics from a uniform, automatic analysis of XRT data. , 2009, , . | | 1 |
| 75 | The Hard X-Ray Spectra of EF Eri and Other CVs. International Astronomical Union Colloquium, 1996, 158, 205-208. | 0.1 | 0 |
| 76 | GRB 050421: A possible naked burst with X-ray flares. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 77 | GRB 050117: Simultaneous Gamma-ray and X-ray Observations with the Swift Satellite. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 78 | A Tale of Two Faint Bursts: GRB 050223 and GRB 050911. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 79 | Evidence for intrinsic absorption in the Swift X-ray afterglows. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 80 | A Tale of Two Faint Bursts: GRB 050223 and GRB 050911. , 2007, , . | | 0 |
| 81 | GRB 070724B: the first Gamma Ray Burst localized by SuperAGILE. AIP Conference Proceedings, 2008, , . | 0.4 | 0 |
| 82 | A new universal photon energy-luminosity relationship for GRBs. AIP Conference Proceedings, 2008, , . | 0.4 | 0 |
| 83 | The rising X-ray afterglow of GRB 080307. , 2009, , . | | 0 |
| 84 | Deriving an X-ray luminosity function of dwarf novae. , 2010, , . | | 0 |
| 85 | On the Symbiotic X-Ray Binary Nature of the Star CGCS 5926. Open Astronomy, 2012, 21, . | 0.6 | 0 |
| 86 | The gamma-ray Cherenkov telescope for the Cherenkov telescope array. AIP Conference Proceedings, 2017, , . | 0.4 | 0 |
| 87 | INVESTIGATION OF JET BREAK FEATURES IN <i>SWIFT</i> GAMMA-RAY BURSTS. , 2008, , . | | 0 |