

Ryan Chornock

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6083529/ryan-chornock-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103 papers	13,538 citations	54 h-index	106 g-index
106 ext. papers	15,340 ext. citations	7.8 avg, IF	5.66 L-index

#	Paper	IF	Citations
103	Type Ia Supernova Discoveries at $z > 1$ from the Hubble Space Telescope: Evidence for Past Deceleration and Constraints on Dark Energy Evolution. <i>Astrophysical Journal</i> , 2004 , 607, 665-687	4.7	3108
102	The Complete Light-curve Sample of Spectroscopically Confirmed SNe Ia from Pan-STARRS1 and Cosmological Constraints from the Combined Pantheon Sample. <i>Astrophysical Journal</i> , 2018 , 859, 101	4.7	946
101	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. <i>Astrophysical Journal Letters</i> , 2017 , 848, L17	7.9	468
100	SN 2006gy: Discovery of the Most Luminous Supernova Ever Recorded, Powered by the Death of an Extremely Massive Star like η Carinae. <i>Astrophysical Journal</i> , 2007 , 666, 1116-1128	4.7	416
99	Nearby supernova rates from the Lick Observatory Supernova Search - III. The rate-size relation, and the rates as a function of galaxy Hubble type and colour. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 412, 1473-1507	4.3	397
98	Supernova 2007bi as a pair-instability explosion. <i>Nature</i> , 2009 , 462, 624-7	50.4	343
97	AN r -PROCESS KILONOVA ASSOCIATED WITH THE SHORT-HARD GRB 130603B. <i>Astrophysical Journal Letters</i> , 2013 , 774, L23	7.9	340
96	An ultraviolet-optical flare from the tidal disruption of a helium-rich stellar core. <i>Nature</i> , 2012 , 485, 217-20.4	30.4	313
95	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2017 , 848, L16	7.9	295
94	Birth of a relativistic outflow in the unusual γ -ray transient Swift J164449.3+573451. <i>Nature</i> , 2011 , 476, 425-8	50.4	275
93	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. IV. Detection of Near-infrared Signatures of r -process Nucleosynthesis with Gemini-South. <i>Astrophysical Journal Letters</i> , 2017 , 848, L19	7.9	274
92	The Combined Ultraviolet, Optical, and Near-infrared Light Curves of the Kilonova Associated with the Binary Neutron Star Merger GW170817: Unified Data Set, Analytic Models, and Physical Implications. <i>Astrophysical Journal Letters</i> , 2017 , 851, L21	7.9	251
91	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. V. Rising X-Ray Emission from an Off-axis Jet. <i>Astrophysical Journal Letters</i> , 2017 , 848, L20	7.9	245
90	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. III. Optical and UV Spectra of a Blue Kilonova from Fast Polar Ejecta. <i>Astrophysical Journal Letters</i> , 2017 , 848, L18	7.9	239
89	The Type I[CLC]c[/CLC] Hypernova SN 2002[CLC]ap[/CLC]. <i>Astrophysical Journal</i> , 2002 , 572, L61-L65	4.7	233
88	COSMOLOGICAL CONSTRAINTS FROM MEASUREMENTS OF TYPE Ia SUPERNOVAE DISCOVERED DURING THE FIRST 1.5 yr OF THE Pan-STARRS1 SURVEY. <i>Astrophysical Journal</i> , 2014 , 795, 44	4.7	216
87	The Binary Neutron Star Event LIGO/Virgo GW170817 160 Days after Merger: Synchrotron Emission across the Electromagnetic Spectrum. <i>Astrophysical Journal Letters</i> , 2018 , 856, L18	7.9	206

86	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VI. Radio Constraints on a Relativistic Jet and Predictions for Late-time Emission from the Kilonova Ejecta. <i>Astrophysical Journal Letters</i> , 2017 , 848, L21	7.9	202
85	Slowly fading super-luminous supernovae that are not pair-instability explosions. <i>Nature</i> , 2013 , 502, 346-349	5.4	197
84	RAPIDLY EVOLVING AND LUMINOUS TRANSIENTS FROM PAN-STARRS1. <i>Astrophysical Journal</i> , 2014 , 794, 23	4.7	192
83	HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE AND LONG-DURATION GAMMA-RAY BURSTS HAVE SIMILAR HOST GALAXIES. <i>Astrophysical Journal</i> , 2014 , 787, 138	4.7	186
82	SN 2006tf: Precursor Eruptions and the Optically Thick Regime of Extremely Luminous Type II _n Supernovae. <i>Astrophysical Journal</i> , 2008 , 686, 467-484	4.7	176
81	Pan-STARRS1 DISCOVERY OF TWO ULTRALUMINOUS SUPERNOVAE AT $z \approx 0.9$. <i>Astrophysical Journal</i> , 2011 , 743, 114	4.7	150
80	THE ULTRAVIOLET-BRIGHT, SLOWLY DECLINING TRANSIENT PS1-11af AS A PARTIAL TIDAL DISRUPTION EVENT. <i>Astrophysical Journal</i> , 2014 , 780, 44	4.7	144
79	SPECTRAL EVOLUTION OF THE EXTRAORDINARY TYPE II _n SUPERNOVA 2006gy. <i>Astrophysical Journal</i> , 2010 , 709, 856-883	4.7	137
78	TOWARD CHARACTERIZATION OF THE TYPE IIP SUPERNOVA PROGENITOR POPULATION: A STATISTICAL SAMPLE OF LIGHT CURVES FROM Pan-STARRS1. <i>Astrophysical Journal</i> , 2015 , 799, 208	4.7	130
77	DEMOGRAPHICS OF THE GALAXIES HOSTING SHORT-DURATION GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2013 , 769, 56	4.7	130
76	SHORT GRB 130603B: DISCOVERY OF A JET BREAK IN THE OPTICAL AND RADIO AFTERGLOWS, AND A MYSTERIOUS LATE-TIME X-RAY EXCESS. <i>Astrophysical Journal</i> , 2014 , 780, 118	4.7	127
75	HIGH-DENSITY CIRCUMSTELLAR INTERACTION IN THE LUMINOUS TYPE II _n SN 2010jl: THE FIRST 1100 DAYS. <i>Astrophysical Journal</i> , 2014 , 797, 118	4.7	126
74	Nearby supernova rates from the Lick Observatory Supernova Search - I. The methods and data base. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 412, 1419-1440	4.3	125
73	An Embedded X-Ray Source Shines through the Aspherical AT 2018cow: Revealing the Inner Workings of the Most Luminous Fast-evolving Optical Transients. <i>Astrophysical Journal</i> , 2019 , 872, 18	4.7	108
72	A Decline in the X-Ray through Radio Emission from GW170817 Continues to Support an Off-axis Structured Jet. <i>Astrophysical Journal Letters</i> , 2018 , 863, L18	7.9	104
71	SN 2015bn: A DETAILED MULTI-WAVELENGTH VIEW OF A NEARBY SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2016 , 826, 39	4.7	102
70	An unusually fast-evolving supernova. <i>Science</i> , 2010 , 327, 58-60	33.3	98
69	A REVERSE SHOCK IN GRB 130427A. <i>Astrophysical Journal</i> , 2013 , 776, 119	4.7	93

68	Ejection of the Massive Hydrogen-rich Envelope Timed with the Collapse of the Stripped SN 2014C. <i>Astrophysical Journal</i> , 2017 , 835,	4.7	92
67	A JET BREAK IN THE X-RAY LIGHT CURVE OF SHORT GRB 111020A: IMPLICATIONS FOR ENERGETICS AND RATES. <i>Astrophysical Journal</i> , 2012 , 756, 189	4.7	91
66	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VII. Properties of the Host Galaxy and Constraints on the Merger Timescale. <i>Astrophysical Journal Letters</i> , 2017 , 848, L22	7.9	88
65	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. VIII. A Comparison to Cosmological Short-duration Gamma-Ray Bursts. <i>Astrophysical Journal Letters</i> , 2017 , 848, L23	7.9	84
64	PS16dtm: A Tidal Disruption Event in a Narrow-line Seyfert 1 Galaxy. <i>Astrophysical Journal</i> , 2017 , 843, 106	4.7	82
63	METAMORPHOSIS OF SN 2014C: DELAYED INTERACTION BETWEEN A HYDROGEN POOR CORE-COLLAPSE SUPERNOVA AND A NEARBY CIRCUMSTELLAR SHELL. <i>Astrophysical Journal</i> , 2015 , 815, 120	4.7	82
62	Measuring Dark Energy Properties with Photometrically Classified Pan-STARRS Supernovae. II. Cosmological Parameters. <i>Astrophysical Journal</i> , 2018 , 857, 51	4.7	80
61	A Precise Distance to the Host Galaxy of the Binary Neutron Star Merger GW170817 Using Surface Brightness Fluctuations. <i>Astrophysical Journal Letters</i> , 2018 , 854, L31	7.9	74
60	The Katzman Automatic Imaging Telescope Gamma-Ray Burst Alert System, and Observations of GRB 020813. <i>Publications of the Astronomical Society of the Pacific</i> , 2003 , 115, 844-853	5	74
59	Two Years of Nonthermal Emission from the Binary Neutron Star Merger GW170817: Rapid Fading of the Jet Afterglow and First Constraints on the Kilonova Fastest Ejecta. <i>Astrophysical Journal Letters</i> , 2019 , 886, L17	7.9	74
58	ZOOMING IN ON THE PROGENITORS OF SUPERLUMINOUS SUPERNOVAE WITH THEHST. <i>Astrophysical Journal</i> , 2015 , 804, 90	4.7	72
57	GRB090426: the environment of a rest-frame 0.35-s gamma-ray burst at a redshift of 2.609. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 401, 963-972	4.3	71
56	Hydrogen-poor Superluminous Supernovae from the Pan-STARRS1 Medium Deep Survey. <i>Astrophysical Journal</i> , 2018 , 852, 81	4.7	68
55	Identification of Type Ia Supernovae at Redshift 1.3 and Beyond with the Advanced Camera for Surveys on the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2004 , 600, L163-L166	4.7	64
54	SUPERLUMINOUS SUPERNOVA SN 2015bn IN THE NEBULAR PHASE: EVIDENCE FOR THE ENGINE-POWERED EXPLOSION OF A STRIPPED MASSIVE STAR. <i>Astrophysical Journal Letters</i> , 2016 , 828, L18	7.9	64
53	Improved Constraints on H 0 from a Combined Analysis of Gravitational-wave and Electromagnetic Emission from GW170817. <i>Astrophysical Journal Letters</i> , 2017 , 851, L36	7.9	62
52	PS1-14bj: A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA WITH A LONG RISE AND SLOW DECAY. <i>Astrophysical Journal</i> , 2016 , 831, 144	4.7	60
51	SN 2012au: A GOLDEN LINK BETWEEN SUPERLUMINOUS SUPERNOVAE AND THEIR LOWER-LUMINOSITY COUNTERPARTS. <i>Astrophysical Journal Letters</i> , 2013 , 770, L38	7.9	58

50	An Ultraviolet Excess in the Superluminous Supernova Gaia16apd Reveals a Powerful Central Engine. <i>Astrophysical Journal Letters</i> , 2017 , 835, L8	7.9	54
49	PS1-10afx ATz= 1.388: PAN-STARRS1 DISCOVERY OF A NEW TYPE OF SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2013 , 767, 162	4.7	51
48	DISPLAYING THE HETEROGENEITY OF THE SN 2002cx-LIKE SUBCLASS OF TYPE Ia SUPERNOVAE WITH OBSERVATIONS OF THE Pan-STARRS-1 DISCOVERED SN 2009ku. <i>Astrophysical Journal Letters</i> , 2011 , 731, L11	7.9	47
47	THE AFTERGLOW AND EARLY-TYPE HOST GALAXY OF THE SHORT GRB 150101B ATz= 0.1343. <i>Astrophysical Journal</i> , 2016 , 833, 151	4.7	46
46	The Optical Afterglow of GW170817: An Off-axis Structured Jet and Deep Constraints on a Globular Cluster Origin. <i>Astrophysical Journal Letters</i> , 2019 , 883, L1	7.9	46
45	THE OPTICAL AFTERGLOW ANDz= 0.92 EARLY-TYPE HOST GALAXY OF THE SHORT GRB 100117A. <i>Astrophysical Journal</i> , 2011 , 730, 26	4.7	46
44	X-Rays from the Location of the Double-humped Transient ASASSN-15lh. <i>Astrophysical Journal</i> , 2017 , 836,	4.7	45
43	How Many Kilonovae Can Be Found in Past, Present, and Future Survey Data Sets?. <i>Astrophysical Journal Letters</i> , 2018 , 852, L3	7.9	42
42	Follow-up of the Neutron Star Bearing Gravitational-wave Candidate Events S190425z and S190426c with MMT and SOAR. <i>Astrophysical Journal Letters</i> , 2019 , 880, L4	7.9	42
41	PS1-12sk IS A PECULIAR SUPERNOVA FROM A He-RICH PROGENITOR SYSTEM IN A BRIGHTEST CLUSTER GALAXY ENVIRONMENT. <i>Astrophysical Journal</i> , 2013 , 769, 39	4.7	40
40	Nebular-phase Spectra of Superluminous Supernovae: Physical Insights from Observational and Statistical Properties. <i>Astrophysical Journal</i> , 2019 , 871, 102	4.7	35
39	The Foundation Supernova Survey: Measuring Cosmological Parameters with Supernovae from a Single Telescope. <i>Astrophysical Journal</i> , 2019 , 881, 19	4.7	35
38	NEW OBSERVATIONS OF THE VERY LUMINOUS SUPERNOVA 2006gy: EVIDENCE FOR ECHOES. <i>Astronomical Journal</i> , 2010 , 139, 2218-2229	4.9	35
37	A Galaxy-targeted Search for the Optical Counterpart of the Candidate NSâBH Merger S190814bv with Magellan. <i>Astrophysical Journal Letters</i> , 2019 , 884, L55	7.9	34
36	Results from a Systematic Survey of X-Ray Emission from Hydrogen-poor Superluminous SNe. <i>Astrophysical Journal</i> , 2018 , 864, 45	4.7	34
35	Measuring the Properties of Dark Energy with Photometrically Classified Pan-STARRS Supernovae. I. Systematic Uncertainty from Core-collapse Supernova Contamination. <i>Astrophysical Journal</i> , 2017 , 843, 6	4.7	33
34	The fraction of ionizing radiation from massive stars that escapes to the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 5380-5408	4.3	32
33	PS1-10jh CONTINUES TO FOLLOW THE FALLBACK ACCRETION RATE OF A TIDALLY DISRUPTED STAR. <i>Astrophysical Journal Letters</i> , 2015 , 815, L5	7.9	32

32	THE AFTERGLOW AND ULIRG HOST GALAXY OF THE DARK SHORT GRB 120804A. <i>Astrophysical Journal</i> , 2013 , 765, 121	4.7	30
31	Jets in Hydrogen-poor Superluminous Supernovae: Constraints from a Comprehensive Analysis of Radio Observations. <i>Astrophysical Journal</i> , 2018 , 856, 56	4.7	27
30	One Thousand Days of SN2015bn: HST Imaging Shows a Light Curve Flattening Consistent with Magnetar Predictions. <i>Astrophysical Journal Letters</i> , 2018 , 866, L24	7.9	25
29	THE INTERMEDIATE LUMINOSITY OPTICAL TRANSIENT SN 2010DA: THE PROGENITOR, ERUPTION, AND AFTERMATH OF A PECULIAR SUPERGIANT HIGH-MASS X-RAY BINARY. <i>Astrophysical Journal</i> , 2016 , 830, 11	4.7	23
28	The Type I Superluminous Supernova PS16aqv: Lightcurve Complexity and Deep Limits on Radioactive Ejecta in a Fast Event. <i>Astrophysical Journal</i> , 2018 , 865, 9	4.7	22
27	Spitzer Space Telescope Infrared Observations of the Binary Neutron Star Merger GW170817. <i>Astrophysical Journal Letters</i> , 2018 , 862, L11	7.9	21
26	An extremely energetic supernova from a very massive star in a dense medium. <i>Nature Astronomy</i> , 2020 , 4, 893-899	12.1	19
25	SuperRAENN: A Semisupervised Supernova Photometric Classification Pipeline Trained on Pan-STARRS1 Medium-Deep Survey Supernovae. <i>Astrophysical Journal</i> , 2020 , 905, 94	4.7	17
24	A Hydrogen-poor Superluminous Supernova with Enhanced Iron-group Absorption: A New Link between SLSNe and Broad-lined Type Ic SNe. <i>Astrophysical Journal</i> , 2019 , 872, 90	4.7	16
23	SN 2016iet: The Pulsational or Pair Instability Explosion of a Low-metallicity Massive CO Core Embedded in a Dense Hydrogen-poor Circumstellar Medium. <i>Astrophysical Journal</i> , 2019 , 881, 87	4.7	16
22	A Reverse Shock in GRB 181201A. <i>Astrophysical Journal</i> , 2019 , 884, 121	4.7	16
21	Supernova Photometric Classification Pipelines Trained on Spectroscopically Classified Supernovae from the Pan-STARRS1 Medium-deep Survey. <i>Astrophysical Journal</i> , 2019 , 884, 83	4.7	14
20	Discovery of the Optical Afterglow and Host Galaxy of Short GRB 181123B at $z = 1.754$: Implications for Delay Time Distributions. <i>Astrophysical Journal Letters</i> , 2020 , 898, L32	7.9	13
19	First Multimessenger Observations of a Neutron Star Merger. <i>Annual Review of Astronomy and Astrophysics</i> , 2021 , 59, 155-202	31.7	13
18	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2019 , 873, L24	7.9	12
17	A VLA Study of High-redshift GRBs. I. Multiwavelength Observations and Modeling of GRB 140311A. <i>Astrophysical Journal</i> , 2018 , 858, 65	4.7	12
16	An Empirical Study of Contamination in Deep, Rapid, and Wide-field Optical Follow-up of Gravitational Wave Events. <i>Astrophysical Journal</i> , 2018 , 858, 18	4.7	10
15	Where is the Engine Hiding Its Missing Energy? Constraints from a Deep X-Ray Non-detection of the Superluminous SN 2015bn. <i>Astrophysical Journal Letters</i> , 2018 , 868, L32	7.9	10

14	The Distant, Galaxy Cluster Environment of the Short GRB 161104A at $z \sim 0.8$ and a Comparison to the Short GRB Host Population. <i>Astrophysical Journal</i> , 2020 , 904, 52	4.7	9
13	The Type II superluminous SN 2008es at late times: near-infrared excess and circumstellar interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 3783-3793	4.3	6
12	Galaxy morphology prediction using Capsule Networks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 1539-1547	4.3	6
11	Radio Observations of an Ordinary Outflow from the Tidal Disruption Event AT2019dsg. <i>Astrophysical Journal</i> , 2021 , 919, 127	4.7	6
10	ALMA and NOEMA constraints on synchrotron nebular emission from embryonic superluminous supernova remnants and radio- γ -ray connection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 508, 44-51	4.3	6
9	A Late-time Galaxy-targeted Search for the Radio Counterpart of GW190814. <i>Astrophysical Journal</i> , 2021 , 923, 66	4.7	6
8	Radio and X-Ray Observations of the Luminous Fast Blue Optical Transient AT 2020xnd. <i>Astrophysical Journal</i> , 2022 , 926, 112	4.7	6
7	Photometric Classification of 2315 Pan-STARRS1 Supernovae with Superphot. <i>Astrophysical Journal</i> , 2020 , 905, 93	4.7	5
6	Probing Kilonova Ejecta Properties Using a Catalog of Short Gamma-Ray Burst Observations. <i>Astrophysical Journal</i> , 2021 , 916, 89	4.7	3
5	Evidence for X-Ray Emission in Excess to the Jet-afterglow Decay 3.5 yr after the Binary Neutron Star Merger GW 170817: A New Emission Component. <i>Astrophysical Journal Letters</i> , 2022 , 927, L17	7.9	2
4	Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 260, 18	8	2
3	Keck Observations of Candidate Ultra-Luminous X-ray Sources. <i>Proceedings of the International Astronomical Union</i> , 2005 , 1, 306-307	0.1	1
2	Late-time Hubble Space Telescope Observations of a Hydrogen-poor Superluminous Supernova Reveal the Power-law Decline of a Magnetar Central Engine. <i>Astrophysical Journal</i> , 2021 , 921, 64	4.7	1
1	Hubble Space Telescope Observations of GW170817: Complete Light Curves and the Properties of the Galaxy Merger of NGC 4993. <i>Astrophysical Journal</i> , 2022 , 926, 49	4.7	0