

Robert Quimby

List of Publications by Year in descending order

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65
papers

5,501
citations

101543

36
h-index

118850

62
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65
all docs

65
docs citations

65
times ranked

4519
citing authors

#	ARTICLE	IF	CITATIONS
1	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565.	12.6	559
2	SN 2006gy: Discovery of the Most Luminous Supernova Ever Recorded, Powered by the Death of an Extremely Massive Star like $\dot{\iota}$ -Carinae. <i>Astrophysical Journal</i> , 2007, 666, 1116-1128.	4.5	460
3	Hydrogen-poor superluminous stellar explosions. <i>Nature</i> , 2011, 474, 487-489.	27.8	440
4	Supernova 2007bi as a pair-instability explosion. <i>Nature</i> , 2009, 462, 624-627.	27.8	399
5	PTF 11kx: A Type Ia Supernova with a Symbiotic Nova Progenitor. <i>Science</i> , 2012, 337, 942-945.	12.6	282
6	HOST-GALAXY PROPERTIES OF 32 LOW-REDSHIFT SUPERLUMINOUS SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2016, 830, 13.	4.5	170
7	iPTF16geu: A multiply imaged, gravitationally lensed type Ia supernova. <i>Science</i> , 2017, 356, 291-295.	12.6	168
8	SUPERNOVA PTF 09UJ: A POSSIBLE SHOCK BREAKOUT FROM A DENSE CIRCUMSTELLAR WIND. <i>Astrophysical Journal</i> , 2010, 724, 1396-1401.	4.5	152
9	Automating Discovery and Classification of Transients and Variable Stars in the Synoptic Survey Era. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 1175-1196.	3.1	141
10	The fast, luminous ultraviolet transient AT2018cow: extreme supernova, or disruption of a star by an intermediate-mass black hole?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 1031-1049.	4.4	136
11	THE EXTREME HOSTS OF EXTREME SUPERNOVAE. <i>Astrophysical Journal</i> , 2011, 727, 15.	4.5	132
12	The SED Machine: A Robotic Spectrograph for Fast Transient Classification. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 035003.	3.1	132
13	The Palomar Transient Factory Photometric Calibration. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 62-73.	3.1	124
14	DISCOVERY OF THE ULTRA-BRIGHT TYPE II-L SUPERNOVA 2008es. <i>Astrophysical Journal</i> , 2009, 690, 1313-1321.	4.5	120
15	The GROWTH Marshal: A Dynamic Science Portal for Time-domain Astronomy. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 038003.	3.1	112
16	DETECTION OF BROAD H β EMISSION LINES IN THE LATE-TIME SPECTRA OF A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2015, 814, 108.	4.5	107
17	Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018, 860, 100.	4.5	105
18	Spectra of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018, 855, 2.	4.5	98

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19	THE HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA iPTF 13ajg AND ITS HOST GALAXY IN ABSORPTION AND EMISSION. <i>Astrophysical Journal</i> , 2014, 797, 24.	4.5	92
20	Hydrogen-poor Superluminous Supernovae with Late-time H β Emission: Three Events From the Intermediate Palomar Transient Factory. <i>Astrophysical Journal</i> , 2017, 848, 6.	4.5	91
21	TYPE I SUPERLUMINOUS SUPERNOVAE AS EXPLOSIONS INSIDE NON-HYDROGEN CIRCUMSTELLAR ENVELOPES. <i>Astrophysical Journal</i> , 2016, 829, 17.	4.5	79
22	A LUMINOUS, FAST RISING UV-TRANSIENT DISCOVERED BY ROTSE: A TIDAL DISRUPTION EVENT?. <i>Astrophysical Journal</i> , 2015, 798, 12.	4.5	78
23	Detection of the Gravitational Lens Magnifying a Type Ia Supernova. <i>Science</i> , 2014, 344, 396-399.	12.6	77
24	SN 2008am: A SUPER-LUMINOUS TYPE IIIn SUPERNOVA. <i>Astrophysical Journal</i> , 2011, 729, 143.	4.5	68
25	The Palomar Transient Factory photometric catalog 1.0. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 854-860.	3.1	63
26	INTERACTION-POWERED SUPERNOVAE: RISE-TIME VERSUS PEAK-LUMINOSITY CORRELATION AND THE SHOCK-BREAKOUT VELOCITY. <i>Astrophysical Journal</i> , 2014, 788, 154.	4.5	62
27	X-RAY EMISSION FROM SUPERNOVAE IN DENSE CIRCUMSTELLAR MATTER ENVIRONMENTS: A SEARCH FOR COLLISIONLESS SHOCKS. <i>Astrophysical Journal</i> , 2013, 763, 42.	4.5	61
28	ON THE EARLY-TIME EXCESS EMISSION IN HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE. <i>Astrophysical Journal</i> , 2017, 835, 58.	4.5	61
29	IPAC Image Processing and Data Archiving for the Palomar Transient Factory. <i>Publications of the Astronomical Society of the Pacific</i> , 0, , 000-000.	3.1	60
30	Analysis of broad-lined Type Ic supernovae from the (intermediate) Palomar Transient Factory. <i>Astronomy and Astrophysics</i> , 2019, 621, A71.	5.1	59
31	Far-ultraviolet to Near-infrared Spectroscopy of a Nearby Hydrogen-poor Superluminous Supernova Gaia16apd. <i>Astrophysical Journal</i> , 2017, 840, 57.	4.5	57
32	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
33	Type IIIn supernova light-curve properties measured from an untargeted survey sample. <i>Astronomy and Astrophysics</i> , 2020, 637, A73.	5.1	47
34	iPTF SEARCH FOR AN OPTICAL COUNTERPART TO GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 824, L24.	8.3	46
35	PTF10ops - a subluminous, normal-width light curve Type Ia supernova in the middle of nowhere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 747-758.	4.4	43
36	A UV resonance line echo from a shell around a hydrogen-poor superluminous supernova. <i>Nature Astronomy</i> , 2018, 2, 887-895.	10.1	39

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37	M31N 2007-11d: A SLOWLY RISING, LUMINOUS NOVA IN M31. <i>Astrophysical Journal</i> , 2009, 690, 1148-1157.	4.5	36
38	PTF 10bzf (SN 2010ah): A BROAD-LINE Ic SUPERNOVA DISCOVERED BY THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2011, 741, 76.	4.5	33
39	First Release of High-Redshift Superluminous Supernovae from the Subaru High- <i>Z</i> Supernova Campaign (SHIZUCA). I. Photometric Properties. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 16.	7.7	30
40	The volumetric rate of normal type Ia supernovae in the local Universe discovered by the Palomar Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2308-2320.	4.4	30
41	From core collapse to superluminous: the rates of massive stellar explosions from the Palomar Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5142-5158.	4.4	30
42	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. <i>Astronomical Journal</i> , 2021, 162, 234.	4.7	30
43	A Tale of Two Transients: GW 170104 and GRB 170105A. <i>Astrophysical Journal</i> , 2017, 845, 152.	4.5	29
44	Color Me Intrigued: The Discovery of iPTF 16fnm, an SN 2002cx-like Object. <i>Astrophysical Journal</i> , 2017, 848, 59.	4.5	28
45	Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. <i>Astronomical Journal</i> , 2020, 160, 26.	4.7	28
46	Pulsational Pair-instability Model for Superluminous Supernova PTF12dam: Interaction and Radioactive Decay. <i>Astrophysical Journal</i> , 2017, 835, 266.	4.5	26
47	Far-UV HST Spectroscopy of an Unusual Hydrogen-poor Superluminous Supernova: SN2017egm. <i>Astrophysical Journal</i> , 2018, 858, 91.	4.5	26
48	Four (Super)luminous Supernovae from the First Months of the ZTF Survey. <i>Astrophysical Journal</i> , 2020, 901, 61.	4.5	25
49	iPTF17cw: An Engine-driven Supernova Candidate Discovered Independent of a Gamma-Ray Trigger. <i>Astrophysical Journal</i> , 2017, 847, 54.	4.5	23
50	Orbital Foregrounds for Ultra-short Duration Transients. <i>Astrophysical Journal Letters</i> , 2020, 903, L27.	8.3	18
51	First Release of High-redshift Superluminous Supernovae from the Subaru High-Z Supernova Campaign (SHIZUCA). II. Spectroscopic Properties. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 17.	7.7	17
52	SN 2010kd: Photometric and Spectroscopic Analysis of a Slow-decaying Superluminous Supernova. <i>Astrophysical Journal</i> , 2020, 892, 28.	4.5	15
53	Characterization of Temporarily Captured Minimoons 2020 CD ₃ by Keck Time-resolved Spectrophotometry. <i>Astrophysical Journal Letters</i> , 2020, 900, L45.	8.3	15
54	Initial Characterization of Active Transitioning Centaur, P/2019 LD ₂ (ATLAS), Using Hubble, Spitzer, ZTF, Keck, Apache Point Observatory, and GROWTH Visible and Infrared Imaging and Spectroscopy. <i>Astronomical Journal</i> , 2021, 161, 116.	4.7	13

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55	Magnification, dust and time-delay constraints from the first resolved strongly lensed Type Ia supernova iPTF16geu. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	12
56	The origin of the early-time optical emission of Swift GRB 080310â~.... Monthly Notices of the Royal Astronomical Society, 2012, 421, 2692-2712.	4.4	11
57	Spatially resolved analysis of superluminous supernovae PTF 11hrq and PTF 12dam host galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4705-4717.	4.4	10
58	Time-series and Phase-curve Photometry of the Episodically Active Asteroid (6478) Gault in a Quiescent State Using APO, GROWTH, P200, and ZTF. Astrophysical Journal Letters, 2021, 911, L35.	8.3	10
59	Low-cost Access to the Deep, High-cadence Sky: the Argus Optical Array. Publications of the Astronomical Society of the Pacific, 2022, 134, 035003.	3.1	9
60	The Detailed Light-curve Evolution of V1674 Her (Nova Her 2021). Research Notes of the AAS, 2021, 5, 160.	0.7	8
61	HSC16aayt: A Slowly Evolving Interacting Transient Rising for More than 100 Days. Astrophysical Journal, 2019, 882, 70.	4.5	7
62	Discovering Supernovae at the Epoch of Reionization with the Nancy Grace Roman Space Telescope. Astrophysical Journal, 2022, 925, 211.	4.5	7
63	Constraints on the Rate of Supernovae Lasting for More Than a Year from Subaru/Hyper Suprime-Cam. Astrophysical Journal, 2021, 908, 249.	4.5	4
64	The SED Machine: A Spectrograph to Efficiently Classify Transient Events Discovered by PTF. Proceedings of the International Astronomical Union, 2012, 8, 281-282.	0.0	1
65	Radiation Hydrodynamical Models for TypeâI Superluminous Supernovae. , 2017, , .		0