Robert Quimby

List of Publications by Year
in descending order

65 papers	5,501 citations	101543 36 h-index	118850 62 g-index
65 all docs	65 docs citations	65 times ranked	4519 citing authors

#	Article	IF	Citations
1	Discovering Supernovae at the Epoch of Reionization with the Nancy Grace Roman Space Telescope. Astrophysical Journal, 2022, 925, 211.	4.5	7
2	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
3	Initial Characterization of Active Transitioning Centaur, P/2019 LD₂ (ATLAS), Using Hubble, Spitzer, ZTF, Keck, Apache Point Observatory, and GROWTH Visible and Infrared Imaging and Spectroscopy. Astronomical Journal, 2021, 161, 116.	4.7	13
4	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
5	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
6	The Detailed Light-curve Evolution of V1674 Her (Nova Her 2021). Research Notes of the AAS, 2021, 5, 160.	0.7	8
7	TIC 172900988: A Transiting Circumbinary Planet Detected in One Sector of TESS Data. Astronomical Journal, 2021, 162, 234.	4.7	30
8	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. Astronomical Journal, 2020, 160, 26.	4.7	28
9	Type IIn supernova light-curve properties measured from an untargeted survey sample. Astronomy and Astrophysics, 2020, 637, A73.	5.1	47
10	From core collapse to superluminous: the rates of massive stellar explosions from the Palomar Transient Factory. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5142-5158.	4.4	30
11	SN 2010kd: Photometric and Spectroscopic Analysis of a Slow-decaying Superluminous Supernova. Astrophysical Journal, 2020, 892, 28.	4.5	15
12	Four (Super)luminous Supernovae from the First Months of the ZTF Survey. Astrophysical Journal, 2020, 901, 61.	4.5	25
13	Characterization of Temporarily Captured Minimoon 2020 CD₃ by Keck Time-resolved Spectrophotometry. Astrophysical Journal Letters, 2020, 900, L45.	8.3	15
14	Orbital Foregrounds for Ultra-short Duration Transients. Astrophysical Journal Letters, 2020, 903, L27.	8.3	18
15	First Release of High-redshift Superluminous Supernovae from the Subaru HIgh-Z SUpernova CAmpaign (SHIZUCA). II. Spectroscopic Properties. Astrophysical Journal, Supplement Series, 2019, 241, 17.	7.7	17
16	First Release of High-Redshift Superluminous Supernovae from the Subaru HIgh- Z SUpernova CAmpaign (SHIZUCA). I. Photometric Properties. Astrophysical Journal, Supplement Series, 2019, 241, 16.	7.7	30
17	The GROWTH Marshal: A Dynamic Science Portal for Time-domain Astronomy. Publications of the Astronomical Society of the Pacific, 2019, 131, 038003.	3.1	112
18	The fast, luminous ultraviolet transient AT2018cow: extreme supernova, or disruption of a star by an intermediate-mass black hole?. Monthly Notices of the Royal Astronomical Society, 2019, 484, 1031-1049.	4.4	136

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19	The volumetric rate of normal type Ia supernovae in the local Universe discovered by the Palomar Transient Factory. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2308-2320.	4.4	30
20	Analysis of broad-lined Type Ic supernovae from the (intermediate) Palomar Transient Factory. Astronomy and Astrophysics, 2019, 621, A71.	5.1	59
21	HSC16aayt: A Slowly Evolving Interacting Transient Rising for More than 100 Days. Astrophysical Journal, 2019, 882, 70.	4.5	7
22	The SED Machine: A Robotic Spectrograph for Fast Transient Classification. Publications of the Astronomical Society of the Pacific, 2018, 130, 035003.	3.1	132
23	Spectra of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. Astrophysical Journal, 2018, 855, 2.	4.5	98
24	Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. Astrophysical Journal, 2018, 860, 100.	4.5	105
25	A UV resonance line echo from a shell around a hydrogen-poor superluminous supernova. Nature Astronomy, 2018, 2, 887-895.	10.1	39
26	Far-UV HSTÂ Spectroscopy of an Unusual Hydrogen-poor Superluminous Supernova: SN2017egm. Astrophysical Journal, 2018, 858, 91.	4.5	26
27	iPTF16geu: A multiply imaged, gravitationally lensed type Ia supernova. Science, 2017, 356, 291-295.	12.6	168
28	Far-ultraviolet to Near-infrared Spectroscopy of a Nearby Hydrogen-poor Superluminous Supernova Gaia16apd. Astrophysical Journal, 2017, 840, 57.	4.5	57
29	Hydrogen-poor Superluminous Supernovae with Late-time HÎ± Emission: Three Events From the Intermediate Palomar Transient Factory. Astrophysical Journal, 2017, 848, 6.	4.5	91
30	Color Me Intrigued: The Discovery of iPTF 16fnm, an SN 2002cxâ€“like Object. Astrophysical Journal, 2017, 848, 59.	4.5	28
31	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. Science, 2017, 358, 1559-1565.	12.6	559
32	Pulsational Pair-instability Model for Superluminous Supernova PTF12dam:Interaction and Radioactive Decay. Astrophysical Journal, 2017, 835, 266.	4.5	26
33	ON THE EARLY-TIME EXCESS EMISSION IN HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE. Astrophysical Journal, 2017, 835, 58.	4.5	61
34	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
35	A Tale of Two Transients: GW 170104 and GRBÂ170105A. Astrophysical Journal, 2017, 845, 152.	4.5	29
36	iPTF17cw: An Engine-driven Supernova Candidate Discovered Independent of a Gamma-Ray Trigger. Astrophysical Journal, 2017, 847, 54.	4.5	23

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37	Radiation Hydrodynamical Models for TypeÂI Superluminous Supernovae. , 2017, , .		0
38	HOST-GALAXY PROPERTIES OF 32 LOW-REDSHIFT SUPERLUMINOUS SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY. Astrophysical Journal, 2016, 830, 13.	4.5	170
39	iPTF SEARCH FOR AN OPTICAL COUNTERPART TO GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 824, L24.	8.3	46
40	M31N 2008-12aâ€"THE REMARKABLE RECURRENT NOVA IN M31: PANCHROMATIC OBSERVATIONS OF THE 2015 ERUPTION. Astrophysical Journal, 2016, 833, 149.	4.5	50
41	TYPE I SUPERLUMINOUS SUPERNOVAE AS EXPLOSIONS INSIDE NON-HYDROGEN CIRCUMSTELLAR ENVELOPES. Astrophysical Journal, 2016, 829, 17.	4.5	79
42	DETECTION OF BROAD HÎ± EMISSION LINES IN THE LATE-TIME SPECTRA OF A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA. Astrophysical Journal, 2015, 814, 108.	4.5	107
43	A LUMINOUS, FAST RISING UV-TRANSIENT DISCOVERED BY ROTSE: A TIDAL DISRUPTION EVENT?. Astrophysical Journal, 2015, 798, 12.	4.5	78
44	INTERACTION-POWERED SUPERNOVAE: RISE-TIME VERSUS PEAK-LUMINOSITY CORRELATION AND THE SHOCK-BREAKOUT VELOCITY. Astrophysical Journal, 2014, 788, 154.	4.5	62
45	THE HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA iPTF 13ajg AND ITS HOST GALAXY IN ABSORPTION AND EMISSION. Astrophysical Journal, 2014, 797, 24.	4.5	92
46	Detection of the Gravitational Lens Magnifying a Type Ia Supernova. Science, 2014, 344, 396-399.	12.6	77
47	X-RAY EMISSION FROM SUPERNOVAE IN DENSE CIRCUMSTELLAR MATTER ENVIRONMENTS: A SEARCH FOR COLLISIONLESS SHOCKS. Astrophysical Journal, 2013, 763, 42.	4.5	61
48	PTF 11kx: A Type Ia Supernova with a Symbiotic Nova Progenitor. Science, 2012, 337, 942-945.	12.6	282
49	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
50	Automating Discovery and Classification of Transients and Variable Stars in the Synoptic Survey Era. Publications of the Astronomical Society of the Pacific, 2012, 124, 1175-1196.	3.1	141
51	The Palomar Transient Factory Photometric Calibration. Publications of the Astronomical Society of the Pacific, 2012, 124, 62-73.	3.1	124
52	The Palomar Transient Factory photometric catalog 1.0. Publications of the Astronomical Society of the Pacific, 2012, 124, 854-860.	3.1	63
53	The origin of the early-time optical emission of Swift GRB 080310â˜¼. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2692-2712.	4.4	11
54	PTF 10bzf (SN 2010ah): A BROAD-LINE Ic SUPERNOVA DISCOVERED BY THE PALOMAR TRANSIENT FACTORY. Astrophysical Journal, 2011, 741, 76.	4.5	33

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55	SN 2008am: A SUPER-LUMINOUS TYPE IIn SUPERNOVA. Astrophysical Journal, 2011, 729, 143.	4.5	68
56	THE EXTREME HOSTS OF EXTREME SUPERNOVAE. Astrophysical Journal, 2011, 727, 15.	4.5	132
57	PTF10ops - a subluminous, normal-width light curve Type Ia supernova in the middle of nowhere. Monthly Notices of the Royal Astronomical Society, 2011, 418, 747-758.	4.4	43
58	Hydrogen-poor superluminous stellar explosions. Nature, 2011, 474, 487-489.	27.8	440
59	SUPERNOVA PTF 09UJ: A POSSIBLE SHOCK BREAKOUT FROM A DENSE CIRCUMSTELLAR WIND. Astrophysical Journal, 2010, 724, 1396-1401.	4.5	152
60	M31N 2007-11d: A SLOWLY RISING, LUMINOUS NOVA IN M31. Astrophysical Journal, 2009, 690, 1148-1157.	4.5	36
61	DISCOVERY OF THE ULTRA-BRIGHT TYPE II-L SUPERNOVA 2008es. Astrophysical Journal, 2009, 690, 1313-1321.	4.5	120
62	Supernova 2007bi as a pair-instability explosion. Nature, 2009, 462, 624-627.	27.8	399
63	SN 2006gy: Discovery of the Most Luminous Supernova Ever Recorded, Powered by the Death of an Extremely Massive Star like Î· Carinae. Astrophysical Journal, 2007, 666, 1116-1128.	4.5	460
64	IPAC Image Processing and Data Archiving for the Palomar Transient Factory. Publications of the Astronomical Society of the Pacific, 0, , 000-000.	3.1	60
65	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