

Ben Rusholme

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

13,377
citations

186265
28
h-index

98798
67
g-index

69
all docs

69
docs citations

69
times ranked

15412
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery and characterization of five new eclipsing AMâCVn systems. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5440-5461.	4.4	22
2	A WC/WO star exploding within an expanding carbonâ€œoxygenâ€œneon nebula. Nature, 2022, 601, 201-204.	27.8	48
3	Discovery of a Double-detonation Thermonuclear Supernova Progenitor. Astrophysical Journal Letters, 2022, 925, L12.	8.3	20
4	Less Than 1% of Core-collapse Supernovae in the Local Universe Occur in Elliptical Galaxies. Astrophysical Journal, 2022, 927, 10.	4.5	10
5	Joint Survey Processing. I. Compact Oddballs in the COSMOS Fieldâ€œLow-luminosity Quasars at $z \geq 6$?. Astrophysical Journal, 2022, 929, 66.	4.5	7
6	Joint Survey Processing. II. Stellar Proper Motions in the COSMOS Field from Hubble Space Telescope ACS and Subaru Telescope HSC Observations. Astrophysical Journal, 2022, 930, 71.	4.5	1
7	Candidate Tidal Disruption Event AT2019fdr Coincident with a High-Energy Neutrino. Physical Review Letters, 2022, 128, .	7.8	41
8	In Search of Short Gamma-Ray Burst Optical Counterparts with the Zwicky Transient Facility. Astrophysical Journal, 2022, 932, 40.	4.5	3
9	Optical follow-up of the neutron starâ€œblack hole mergers S200105ae and S200115j. Nature Astronomy, 2021, 5, 46-53.	10.1	71
10	Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies. Astrophysical Journal, 2021, 908, 4.	4.5	174
11	AT 2019avd: a novel addition to the diverse population of nuclear transients. Astronomy and Astrophysics, 2021, 647, A9.	5.1	21
12	A tidal disruption event coincident with a high-energy neutrino. Nature Astronomy, 2021, 5, 510-518.	10.1	136
13	HO Puppis: Not a Be Star, but a Newly Confirmed IW And-type Star. Astrophysical Journal, 2021, 911, 51.	4.5	3
14	The luminous and rapidly evolving SN 2018bcc. Astronomy and Astrophysics, 2021, 649, A163.	5.1	14
15	AGNs on the Move: A Search for Off-nuclear AGNs from Recoiling Supermassive Black Holes and Ongoing Galaxy Mergers with the Zwicky Transient Facility. Astrophysical Journal, 2021, 913, 102.	4.5	19
16	The ZTF Source Classification Project â€œ II. Periodicity and variability processing metrics. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2954-2965.	4.4	10
17	The ZTF Source Classification Project. I. Methods and Infrastructure. Astronomical Journal, 2021, 161, 267.	4.7	16
18	Discovery and confirmation of the shortest gamma-ray burst from a collapsar. Nature Astronomy, 2021, 5, 917-927.	10.1	69

#	ARTICLE	IF	CITATIONS
19	Zwicky Transient Facility and Globular Clusters: the Periodâ€“Luminosity and Periodâ€“Luminosityâ€“Color Relations for Late-type Contact Binaries. <i>Astronomical Journal</i> , 2021, 162, 63.	4.7	8
20	Cataclysmic Variables in the Second Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021, 162, 94.	4.7	8
21	SNiascore: Deep-learning Classification of Low-resolution Supernova Spectra. <i>Astrophysical Journal Letters</i> , 2021, 917, L2.	8.3	11
22	SN 2020bjq: A Type Ibn supernova with a long-lasting peak plateau. <i>Astronomy and Astrophysics</i> , 2021, 652, A136.	5.1	7
23	Multi-wavelength Observations of AT2019wey: a New Candidate Black Hole Low-mass X-ray Binary. <i>Astrophysical Journal</i> , 2021, 920, 120.	4.5	12
24	A Family Tree of Optical Transients from Narrow-line Seyfert 1 Galaxies. <i>Astrophysical Journal</i> , 2021, 920, 56.	4.5	28
25	Two c– in a pod: cosmology-independent measurement of the Type Ia supernova colour–luminosity relation with a sibling pair. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 5340-5356.	4.4	9
26	Faintest of Them All: ZTF 21aaoryiz/SN 2021fcg–Discovery of an Extremely Low Luminosity Type Ia Supernova. <i>Astrophysical Journal Letters</i> , 2021, 921, L6.	8.3	8
27	The Zwicky Transient Facility Bright Transient Survey. I. Spectroscopic Classification and the Redshift Completeness of Local Galaxy Catalogs. <i>Astrophysical Journal</i> , 2020, 895, 32.	4.5	91
28	The Koala: A Fast Blue Optical Transient with Luminous Radio Emission from a Starburst Dwarf Galaxy at z=0.27. <i>Astrophysical Journal</i> , 2020, 895, 49.	4.5	72
29	A Search for Extra-tidal RR Lyrae in Globular Clusters NGC 5024 and NGC 5053. <i>Astronomical Journal</i> , 2020, 160, 31.	4.7	1
30	The First Ultracompact Roche Lobe–Filling Hot Subdwarf Binary. <i>Astrophysical Journal</i> , 2020, 891, 45.	4.5	47
31	Candidate Electromagnetic Counterpart to the Binary Black Hole Merger Gravitational-Wave Event S190521g. <i>Physical Review Letters</i> , 2020, 124, 251102.	7.8	226
32	Pre-discovery Activity of New Interstellar Comet 2I/Borisov beyond 5 au. <i>Astronomical Journal</i> , 2020, 159, 77.	4.7	27
33	Two stripped envelope supernovae with circumstellar interaction. <i>Astronomy and Astrophysics</i> , 2020, 643, A79.	5.1	18
34	The Broad-lined Ic Supernova ZTF18aaqjovh (SN 2018bvw): An Optically Discovered Engine-driven Supernova Candidate with Luminous Radio Emission. <i>Astrophysical Journal</i> , 2020, 893, 132.	4.5	11
35	Early Ultraviolet Observations of Type IIc Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020, 899, 51.	4.5	9
36	The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. <i>Astrophysical Journal</i> , 2020, 898, 56.	4.5	32

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37	SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. <i>Astrophysical Journal</i> , 2020, 902, 86.	4.5	25
38	SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. <i>Astrophysical Journal</i> , 2020, 900, 46.	4.5	38
39	Four (Super)luminous Supernovae from the First Months of the ZTF Survey. <i>Astrophysical Journal</i> , 2020, 901, 61.	4.5	25
40	ZTF Early Observations of Type Ia Supernovae. II. First Light, the Initial Rise, and Time to Reach Maximum Brightness. <i>Astrophysical Journal</i> , 2020, 902, 47.	4.5	35
41	ZTF Early Observations of Type Ia Supernovae. III. Early-time Colors As a Test for Explosion Models and Multiple Populations. <i>Astrophysical Journal</i> , 2020, 902, 48.	4.5	26
42	SN 2018fif: The Explosion of a Large Red Supergiant Discovered in Its Infancy by the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020, 902, 6.	4.5	18
43	The Zwicky Transient Facility Census of the Local Universe. I. Systematic Search for Calcium-rich Gap Transients Reveals Three Related Spectroscopic Subclasses. <i>Astrophysical Journal</i> , 2020, 905, 58.	4.5	57
44	A Non-equipartition Shock Wave Traveling in a Dense Circumstellar Environment around SN 2020oi. <i>Astrophysical Journal</i> , 2020, 903, 132.	4.5	19
45	Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. <i>Astrophysical Journal</i> , 2020, 904, 155.	4.5	26
46	ZTF20aajnksq (AT 2020blt): A Fast Optical Transient at $z \approx 2.9$ with No Detected Gamma-Ray Burst Counterpart. <i>Astrophysical Journal</i> , 2020, 905, 98.	4.5	24
47	A New Class of Roche Lobe-filling Hot Subdwarf Binaries. <i>Astrophysical Journal Letters</i> , 2020, 898, L25.	8.3	33
48	Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , 2020, 902, L8.	8.3	18
49	Gravitational Microlensing Events from the First Year of the Northern Galactic Plane Survey by the Zwicky Transient Facility. <i>Research Notes of the AAS</i> , 2020, 4, 13.	0.7	8
50	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078001.	3.1	453
51	ZTF18aalrxas: A Type IIb Supernova from a Very Extended Low-mass Progenitor. <i>Astrophysical Journal Letters</i> , 2019, 878, L5.	8.3	24
52	Discovery of an Intermediate-luminosity Red Transient in M51 and Its Likely Dust-obscured, Infrared-variable Progenitor. <i>Astrophysical Journal Letters</i> , 2019, 880, L20.	8.3	19
53	Real-bogus classification for the Zwicky Transient Facility using deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3582-3590.	4.4	94
54	A New Class of Changing-look LINERs. <i>Astrophysical Journal</i> , 2019, 883, 31.	4.5	66

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55	Machine Learning for the Zwicky Transient Facility. Publications of the Astronomical Society of the Pacific, 2019, 131, 038002.	3.1	83
56	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. Astrophysical Journal, 2019, 872, 198.	4.5	74
57	2900 Square Degree Search for the Optical Counterpart of Short Gamma-Ray Burst GRB 180523B with the Zwicky Transient Facility. Publications of the Astronomical Society of the Pacific, 2019, 131, 048001.	3.1	27
58	Evidence for Late-stage Eruptive Mass Loss in the Progenitor to SN2018gep, a Broad-lined Ic Supernova: Pre-explosion Emission and a Rapidly Rising Luminous Transient. Astrophysical Journal, 2019, 887, 169.	4.5	55
59	GROWTH on S190425z: Searching Thousands of Square Degrees to Identify an Optical or Infrared Counterpart to a Binary Neutron Star Merger with the Zwicky Transient Facility and Palomar Gattini-IR. Astrophysical Journal Letters, 2019, 885, L19.	8.3	86
60	Comet 240P/NEAT Is Stirring. Astrophysical Journal Letters, 2019, 886, L16.	8.3	2
61	The Zwicky Transient Facility: Data Processing, Products, and Archive. Publications of the Astronomical Society of the Pacific, 2019, 131, 018003.	3.1	610
62	The Zwicky Transient Facility Alert Distribution System. Publications of the Astronomical Society of the Pacific, 2019, 131, 018001.	3.1	106
63	The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002.	3.1	1,020
64	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. Astrophysical Journal, 2019, 886, 152.	4.5	77
65	Outbursts at Comets 46P/Wirtanen, 64P/Swift-Gehrels, and 78P/Gehrels 2 in 2018. Research Notes of the AAS, 2019, 3, 126.	0.7	7
66	<i>Planck</i> 2015 results. Astronomy and Astrophysics, 2016, 594, A13.	5.1	8,344
67	<i>Planck</i> 2013 results. XI. All-sky model of thermal dust emission. Astronomy and Astrophysics, 2014, 571, A11.	5.1	566