

Adam A Miller

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

7,651
citations

136950

32
h-index

106344

65
g-index

66
all docs

66
docs citations

66
times ranked

7710
citing authors

#	ARTICLE	IF	CITATIONS
1	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2015, 219, 12.	7.7	1,877
2	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018002.	3.1	1,020
3	The Zwicky Transient Facility: Data Processing, Products, and Archive. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 018003.	3.1	610
4	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017, 358, 1559-1565.	12.6	559
5	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 078001.	3.1	453
6	Supernova 2007bi as a pair-instability explosion. <i>Nature</i> , 2009, 462, 624-627.	27.8	399
7	DISCOVERY OF PRECURSOR LUMINOUS BLUE VARIABLE OUTBURSTS IN TWO RECENT OPTICAL TRANSIENTS: THE FITFULLY VARIABLE MISSING LINKS UGC 2773-OT AND SN 2009ip. <i>Astronomical Journal</i> , 2010, 139, 1451-1467.	4.7	175
8	Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies. <i>Astrophysical Journal</i> , 2021, 908, 4.	4.5	174
9	iPTF16geu: A multiply imaged, gravitationally lensed type Ia supernova. <i>Science</i> , 2017, 356, 291-295.	12.6	168
10	GRB 080503: IMPLICATIONS OF A NAKED SHORT GAMMA-RAY BURST DOMINATED BY EXTENDED EMISSION. <i>Astrophysical Journal</i> , 2009, 696, 1871-1885.	4.5	167
11	THE EXCEPTIONALLY LUMINOUS TYPE II-LINEAR SUPERNOVA 2008es. <i>Astrophysical Journal</i> , 2009, 690, 1303-1312.	4.5	138
12	The Zwicky Transient Facility Bright Transient Survey. II. A Public Statistical Sample for Exploring Supernova Demographics*. <i>Astrophysical Journal</i> , 2020, 904, 35.	4.5	107
13	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
14	The IPAC Image Subtraction and Discovery Pipeline for the Intermediate Palomar Transient Factory. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 014002.	3.1	80
15	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. <i>Astrophysical Journal</i> , 2019, 886, 152.	4.5	77
16	A Morphological Classification Model to Identify Unresolved PanSTARRS1 Sources: Application in the ZTF Real-time Pipeline. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 128001.	3.1	74
17	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. <i>Astrophysical Journal</i> , 2019, 872, 198.	4.5	74
18	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

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19	DISCOVERY OF A COSMOLOGICAL, RELATIVISTIC OUTBURST VIA ITS RAPIDLY FADING OPTICAL EMISSION. <i>Astrophysical Journal</i> , 2013, 769, 130.	4.5	71
20	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. <i>Astrophysical Journal</i> , 2020, 905, 145.	4.5	69
21	SN 2008am: A SUPER-LUMINOUS TYPE II _n SUPERNOVA. <i>Astrophysical Journal</i> , 2011, 729, 143.	4.5	68
22	A New Class of Changing-look LINERs. <i>Astrophysical Journal</i> , 2019, 883, 31.	4.5	66
23	A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion. <i>Astrophysical Journal</i> , 2021, 912, 46.	4.5	66
24	DISAPPEARANCE OF THE PROGENITOR OF SUPERNOVA iPTF13bvn. <i>Astrophysical Journal Letters</i> , 2016, 825, L22.	8.3	61
25	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
26	ZTF 18aaqesu (SN2018byg): A Massive Helium-shell Double Detonation on a Sub-Chandrasekhar-mass White Dwarf. <i>Astrophysical Journal Letters</i> , 2019, 873, L18.	8.3	56
27	Early Observations of the Type Ia Supernova iPTF 16abc: A Case of Interaction with Nearby, Unbound Material and/or Strong Ejecta Mixing. <i>Astrophysical Journal</i> , 2018, 852, 100.	4.5	49
28	iPTF SEARCH FOR AN OPTICAL COUNTERPART TO GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 824, L24.	8.3	46
29	PSR J1024+0719: A MILLISECOND PULSAR IN AN UNUSUAL LONG-PERIOD ORBIT. <i>Astrophysical Journal</i> , 2016, 826, 86.	4.5	45
30	NEW OBSERVATIONS OF THE VERY LUMINOUS SUPERNOVA 2006gy: EVIDENCE FOR ECHOES. <i>Astronomical Journal</i> , 2010, 139, 2218-2229.	4.7	40
31	SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. <i>Astrophysical Journal</i> , 2020, 900, 46.	4.5	38
32	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
33	The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. <i>Astrophysical Journal</i> , 2020, 898, 56.	4.5	32
34	An extremely energetic supernova from a very massive star in a dense medium. <i>Nature Astronomy</i> , 2020, 4, 893-899.	10.1	31
35	Color Me Intrigued: The Discovery of iPTF 16fnn, an SN 2002cx-like Object. <i>Astrophysical Journal</i> , 2017, 848, 59.	4.5	28
36	2900 Square Degree Search for the Optical Counterpart of Short Gamma-Ray Burst GRB 180523B with the Zwicky Transient Facility. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 048001.	3.1	27

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37	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
38	What powers the 3000-day light curve of SN 2006gy?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4366-4378.	4.4	24
39	ZTF18aalrxas: A Type IIb Supernova from a Very Extended Low-mass Progenitor. <i>Astrophysical Journal Letters</i> , 2019, 878, L5.	8.3	24
40	ZTF20aajnsq (AT 2020blt): A Fast Optical Transient at $z=2.9$ with No Detected Gamma-Ray Burst Counterpart. <i>Astrophysical Journal</i> , 2020, 905, 98.	4.5	24
41	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.	8.3	24
42	Cataclysmic Variables in the First Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2020, 159, 198.	4.7	22
43	Mapping the Interstellar Reddening and Extinction toward Baade's Window Using Minimum Light Colors of ab-type RR Lyrae Stars: Revelations from the De-reddened Color-Magnitude Diagrams. <i>Astrophysical Journal</i> , 2019, 874, 30.	4.5	21
44	Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. <i>Astrophysical Journal</i> , Supplement Series, 2022, 260, 18.	7.7	21
45	The Zwicky Transient Facility Type Ia supernova survey: first data release and results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2228-2241.	4.4	20
46	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
47	A Non-equipartition Shock Wave Traveling in a Dense Circumstellar Environment around SN 2020oi. <i>Astrophysical Journal</i> , 2020, 903, 132.	4.5	19
48	Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , 2020, 902, L8.	8.3	18
49	Constraining Type Ia supernova explosions and early flux excesses with the Zwicky Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1317-1340.	4.4	18
50	PREPARING FOR ADVANCED LIGO: A STAR-GALAXY SEPARATION CATALOG FOR THE PALOMAR TRANSIENT FACTORY. <i>Astronomical Journal</i> , 2017, 153, 73.	4.7	17
51	The Candidate Progenitor of the Type II In SN 2010jl Is Not an Optically Luminous Star. <i>Astrophysical Journal</i> , 2017, 836, 222.	4.5	16
52	PTF14jg: The Remarkable Outburst and Post-burst Evolution of a Previously Anonymous Galactic Star. <i>Astrophysical Journal</i> , 2019, 874, 82.	4.5	16
53	The slow demise of the long-lived SN 2005ip. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 517-531.	4.4	15
54	The Redshift Completeness of Local Galaxy Catalogs. <i>Astrophysical Journal</i> , 2018, 860, 22.	4.5	14

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55	iPTF16abc and the population of Type Ia supernovae: comparing the photospheric, transitional, and nebular phases. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 1445-1456.	4.4	13
56	iPTF Survey for Cool Transients. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 034202.	3.1	12
57	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.	4.4	12
58	SNlascor: Deep-learning Classification of Low-resolution Supernova Spectra. <i>Astrophysical Journal Letters</i> , 2021, 917, L2.	8.3	11
59	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
60	Early Ultraviolet Observations of Type IIc Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020, 899, 51.	4.5	9
61	THE SYNTHETIC-OVERSAMPLING METHOD: USING PHOTOMETRIC COLORS TO DISCOVER EXTREMELY METAL-POOR STARS. <i>Astrophysical Journal</i> , 2015, 811, 30.	4.5	7
62	The detection efficiency of Type Ia supernovae from the Zwicky Transient Facility: limits on the intrinsic rate of early flux excesses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3035-3049.	4.4	7
63	Supernova siblings and their parent galaxies in the Zwicky Transient Facility Bright Transient Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 241-254.	4.4	6
64	Simulating the Eclipsing Binary Yields of the Rubin Observatory in the Galactic Field and Star Clusters. <i>Astrophysical Journal</i> , 2021, 919, 83.	4.5	3
65	A Morphological Classification Model to Identify Unresolved PanSTARRS1 Sources. II. Update to the PS1 Point Source Catalog. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 054502.	3.1	2
66	Is an LSST ToO Mode Necessary for Kilonova Discovery?. <i>Research Notes of the AAS</i> , 2019, 3, 11.	0.7	0