

J Andreas Howell

List of Publications by Year in descending order

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90
papers

8,223
citations

53660

45
h-index

46693

89
g-index

90
all docs

90
docs citations

90
times ranked

5272
citing authors

#	ARTICLE	IF	CITATIONS
1	The Palomar Transient Factory: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2009, 121, 1395-1408.	1.0	900
2	Exploring the Optical Transient Sky with the Palomar Transient Factory. Publications of the Astronomical Society of the Pacific, 2009, 121, 1334-1351.	1.0	618
3	The type Ia supernova SNLS-03D3bb from a super-Chandrasekhar-mass white dwarf star. Nature, 2006, 443, 308-311.	13.7	433
4	Optical emission from a kilonova following a gravitational-wave-detected neutron-star merger. Nature, 2017, 551, 64-66.	13.7	417
5	Supernova SN 2011fe from an exploding carbon-oxygen white dwarf star. Nature, 2011, 480, 344-347.	13.7	412
6	A CONTINUUM OF H- TO He-RICH TIDAL DISRUPTION CANDIDATES WITH A PREFERENCE FOR E+A GALAXIES. Astrophysical Journal, 2014, 793, 38.	1.6	332
7	Exclusion of a luminous red giant as a companion star to the progenitor of supernova SN 2011fe. Nature, 2011, 480, 348-350.	13.7	274
8	A COMPACT DEGENERATE PRIMARY-STAR PROGENITOR OF SN 2011fe. Astrophysical Journal Letters, 2012, 744, L17.	3.0	251
9	Bipolar Supernova Explosions. Astrophysical Journal, 2001, 550, 1030-1035.	1.6	240
10	TYPE Ia SUPERNOVAE STRONGLY INTERACTING WITH THEIR CIRCUMSTELLAR MEDIUM. Astrophysical Journal, Supplement Series, 2013, 207, 3.	3.0	180
11	DISCOVERY, PROGENITOR AND EARLY EVOLUTION OF A STRIPPED ENVELOPE SUPERNOVA iPTF13bvn. Astrophysical Journal Letters, 2013, 775, L7.	3.0	169
12	Type Ia supernovae as stellar endpoints and cosmological tools. Nature Communications, 2011, 2, 350.	5.8	159
13	A strong ultraviolet pulse from a newborn type Ia supernova. Nature, 2015, 521, 328-331.	13.7	157
14	SN 2011dh: DISCOVERY OF A TYPE IIb SUPERNOVA FROM A COMPACT PROGENITOR IN THE NEARBY GALAXY M51. Astrophysical Journal Letters, 2011, 742, L18.	3.0	156
15	CORE-COLLAPSE SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY: INDICATIONS FOR A DIFFERENT POPULATION IN DWARF GALAXIES. Astrophysical Journal, 2010, 721, 777-784.	1.6	153
16	Evidence for Asphericity in a Subluminous Type Ia Supernova: Spectropolarimetry of SN 1999by. Astrophysical Journal, 2001, 556, 302-321.	1.6	143
17	SN 2015bn: A DETAILED MULTI-WAVELENGTH VIEW OF A NEARBY SUPERLUMINOUS SUPERNOVA. Astrophysical Journal, 2016, 826, 39.	1.6	133
18	THE EXTREME HOSTS OF EXTREME SUPERNOVAE. Astrophysical Journal, 2011, 727, 15.	1.6	132

#	ARTICLE	IF	CITATIONS
19	SN 2012cg: EVIDENCE FOR INTERACTION BETWEEN A NORMAL SN Ia AND A NON-DEGENERATE BINARY COMPANION. <i>Astrophysical Journal</i> , 2016, 820, 92.	1.6	132
20	The Rapid Reddening and Featureless Optical Spectra of the Optical Counterpart of GW170817, AT 2017gfo, during the First Four Days. <i>Astrophysical Journal Letters</i> , 2017, 848, L32.	3.0	129
21	RAPIDLY DECAYING SUPERNOVA 2010X: A CANDIDATE α -EXPLOSION. <i>Astrophysical Journal Letters</i> , 2010, 723, L98-L102.	3.0	126
22	RAPIDLY RISING TRANSIENTS IN THE SUPERNOVA "SUPERLUMINOUS SUPERNOVA GAP". <i>Astrophysical Journal</i> , 2016, 819, 35.	1.6	122
23	Early Blue Excess from the Type Ia Supernova 2017cbv and Implications for Its Progenitor. <i>Astrophysical Journal Letters</i> , 2017, 845, L11.	3.0	120
24	Supernova Shock Breakout from a Red Supergiant. <i>Science</i> , 2008, 321, 223-226.	6.0	115
25	Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. <i>Nature</i> , 2017, 551, 210-213.	13.7	112
26	Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018, 860, 100.	1.6	105
27	1ES 1927+654: An AGN Caught Changing Look on a Timescale of Months. <i>Astrophysical Journal</i> , 2019, 883, 94.	1.6	95
28	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.	3.0	88
29	The Early Detection and Follow-up of the Highly Obscured Type II Supernova 2016ija/DLT16am ⁺ . <i>Astrophysical Journal</i> , 2018, 853, 62.	1.6	87
30	THE VERY YOUNG TYPE Ia SUPERNOVA 2013dy: DISCOVERY, AND STRONG CARBON ABSORPTION IN EARLY-TIME SPECTRA. <i>Astrophysical Journal Letters</i> , 2013, 778, L15.	3.0	82
31	REAL-TIME DETECTION AND RAPID MULTIWAVELENGTH FOLLOW-UP OBSERVATIONS OF A HIGHLY SUBLUMINOUS TYPE II-P SUPERNOVA FROM THE PALOMAR TRANSIENT FACTORY SURVEY. <i>Astrophysical Journal</i> , 2011, 736, 159.	1.6	81
32	Optical Follow-up of Gravitational-wave Events with Las Cumbres Observatory. <i>Astrophysical Journal Letters</i> , 2017, 848, L33.	3.0	80
33	Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light. <i>Astrophysical Journal</i> , 2017, 836, 158.	1.6	79
34	TYPE II SUPERNOVA ENERGETICS AND COMPARISON OF LIGHT CURVES TO SHOCK-COOLING MODELS. <i>Astrophysical Journal</i> , 2016, 820, 33.	1.6	75
35	SLOW-SPEED SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY: TWO CHANNELS. <i>Astrophysical Journal</i> , 2015, 799, 52.	1.6	68
36	ON THE EARLY-TIME EXCESS EMISSION IN HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE. <i>Astrophysical Journal</i> , 2017, 835, 58.	1.6	61

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37	A new class of flares from accreting supermassive black holes. <i>Nature Astronomy</i> , 2019, 3, 242-250.	4.2	57
38	The Palomar Transient Factory Core-collapse Supernova Host-galaxy Sample. I. Host-galaxy Distribution Functions and Environment Dependence of Core-collapse Supernovae. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 29.	3.0	56
39	Short-lived Circumstellar Interaction in the Low-luminosity Type IIP SN 2016bkv. <i>Astrophysical Journal</i> , 2018, 861, 63.	1.6	52
40	Nebular Spectroscopy of the “Blue Bump” Type Ia Supernova 2017cbv. <i>Astrophysical Journal</i> , 2018, 863, 24.	1.6	50
41	Constraints on the Progenitor of SN 2016gkg from Its Shock-cooling Light Curve. <i>Astrophysical Journal Letters</i> , 2017, 837, L2.	3.0	49
42	The Progenitor and Early Evolution of the Type IIb SN 2016gkg. <i>Astrophysical Journal Letters</i> , 2017, 836, L12.	3.0	49
43	SN 2019ehk: A Double-peaked Ca-rich Transient with Luminous X-Ray Emission and Shock-ionized Spectral Features. <i>Astrophysical Journal</i> , 2020, 898, 166.	1.6	48
44	SN 2013ab: a normal Type IIP supernova in NGC 5669. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2373-2392.	1.6	47
45	The electron-capture origin of supernova 2018zd. <i>Nature Astronomy</i> , 2021, 5, 903-910.	4.2	47
46	SN 2009ip at late times “an interacting transient at +2 years. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 3887-3906.	1.6	45
47	The Type II-P Supernova 2017eaw: From Explosion to the Nebular Phase. <i>Astrophysical Journal</i> , 2019, 876, 19.	1.6	42
48	Searches after Gravitational Waves Using ARizona Observatories (SAGUARO): System Overview and First Results from Advanced LIGO/Virgo’s Third Observing Run. <i>Astrophysical Journal Letters</i> , 2019, 881, L26.	3.0	41
49	TIME-VARYING POTASSIUM IN HIGH-RESOLUTION SPECTRA OF THE TYPE IA SUPERNOVA 2014J. <i>Astrophysical Journal</i> , 2015, 801, 136.	1.6	37
50	Type Ibc Supernovae May not all Come from Massive Stars. <i>Astrophysical Journal Letters</i> , 2019, 871, L9.	3.0	32
51	The Young and Nearby Normal Type Ia Supernova 2018gv: UV-optical Observations and the Earliest Spectropolarimetry. <i>Astrophysical Journal</i> , 2020, 902, 46.	1.6	32
52	Observations of SN 2017ein Reveal Shock Breakout Emission and a Massive Progenitor Star for a Type Ic Supernova. <i>Astrophysical Journal</i> , 2019, 871, 176.	1.6	27
53	The Gravitational Wave Treasure Map: A Tool to Coordinate, Visualize, and Assess the Electromagnetic Follow-up of Gravitational-wave Events. <i>Astrophysical Journal</i> , 2020, 894, 127.	1.6	26
54	OGLE-2013-SN-079: A LONELY SUPERNOVA CONSISTENT WITH A HELIUM SHELL DETONATION. <i>Astrophysical Journal Letters</i> , 2015, 799, L2.	3.0	25

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55	A Type II Supernova Hubble Diagram from the CSP-I, SDSS-II, and SNLS Surveys*. <i>Astrophysical Journal</i> , 2017, 835, 166.	1.6	25
56	The Peculiar Transient AT2018cow: A Possible Origin of a Type Ibn/IIn Supernova. <i>Astrophysical Journal</i> , 2021, 910, 42.	1.6	25
57	Signatures of circumstellar interaction in the Type III supernova ASASSN-15oz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5120-5141.	1.6	23
58	The Creston, California, meteorite fall and the origin of L chondrites. <i>Meteoritics and Planetary Science</i> , 2019, 54, 699-720.	0.7	21
59	Luminous Type II Short-Plateau Supernovae 2006Y, 2006ai, and 2016egz: A Transitional Class from Stripped Massive Red Supergiants. <i>Astrophysical Journal</i> , 2021, 913, 55.	1.6	20
60	A Bright Ultraviolet Excess in the Transitional O2es-like Type Ia Supernova 2019yvq. <i>Astrophysical Journal</i> , 2021, 919, 142.	1.6	20
61	Circumstellar Interaction Powers the Light Curves of Luminous Rapidly Evolving Optical Transients. <i>Astrophysical Journal</i> , 2022, 926, 125.	1.6	20
62	OPTICAL AND ULTRAVIOLET OBSERVATIONS OF THE VERY YOUNG TYPE IIP SN 2014cx IN NGC 337. <i>Astrophysical Journal</i> , 2016, 832, 139.	1.6	19
63	The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star–Black Hole Merger GW190814. <i>Astrophysical Journal</i> , 2021, 923, 258.	1.6	19
64	Constraining the Progenitor System of the Type Ia Supernova 2021aefx. <i>Astrophysical Journal Letters</i> , 2022, 933, L45.	3.0	18
65	Still Brighter than Pre-explosion, SN 2012Z Did Not Disappear: Comparing Hubble Space Telescope Observations a Decade Apart. <i>Astrophysical Journal</i> , 2022, 925, 138.	1.6	17
66	Infant-phase reddening by surface Fe-peak elements in a normal type Ia supernova. <i>Nature Astronomy</i> , 2022, 6, 568-576.	4.2	17
67	Subaru FOCAS Spectroscopic Observations of High-Redshift Supernovae. <i>Publication of the Astronomical Society of Japan</i> , 2010, 62, 19-37.	1.0	16
68	Discovery and Follow-up Observations of the Young Type Ia Supernova 2016coj. <i>Astrophysical Journal</i> , 2017, 841, 64.	1.6	16
69	Constraining the Source of the High-velocity Ejecta in Type Ia SN 2019ein. <i>Astrophysical Journal</i> , 2020, 897, 159.	1.6	16
70	Flash Ionization Signatures in the Type Ibn Supernova SN 2019uo. <i>Astrophysical Journal</i> , 2020, 889, 170.	1.6	15
71	Discovery and Rapid Follow-up Observations of the Unusual Type II SN 2018ivc in NGC 1068. <i>Astrophysical Journal</i> , 2020, 895, 31.	1.6	14
72	LSQ13ddu: a rapidly evolving stripped-envelope supernova with early circumstellar interaction signatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 2208-2228.	1.6	12

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73	Supernova 2018cuf: A Type IIP Supernova with a Slow Fall from Plateau. <i>Astrophysical Journal</i> , 2020, 906, 56.	1.6	12
74	The low-luminosity Type II SN 2016aqf: a well-monitored spectral evolution of the Ni/Fe abundance ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 361-377.	1.6	10
75	Orbit and origin of the <sc>LL</sc>7 chondrite Dishchii'bikoh (Arizona). <i>Meteoritics and Planetary Science</i> , 2020, 55, 535-557.	0.7	10
76	SN 2017fgc: A Fast-expanding Type Ia Supernova Exploded in Massive Shell Galaxy NGC 474. <i>Astrophysical Journal</i> , 2021, 919, 49.	1.6	10
77	SN 2018agk: A Prototypical Type Ia Supernova with a Smooth Power-law Rise in Kepler (K2). <i>Astrophysical Journal</i> , 2021, 923, 167.	1.6	10
78	SN 2017cfd: A Normal Type Ia Supernova Discovered Very Young. <i>Astrophysical Journal</i> , 2020, 892, 142.	1.6	9
79	SN 2016gsd: an unusually luminous and linear Type II supernova with high velocities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 1761-1781.	1.6	9
80	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , 2022, 929, 115.	1.6	9
81	The Exotic Type Ic Broad-lined Supernova SN 2018gep: Blurring the Line between Supernovae and Fast Optical Transients. <i>Astrophysical Journal</i> , 2021, 915, 121.	1.6	8
82	Enormous explosion energy of Type IIP SN 2017gmr with bipolar ^{56}Ni ejecta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 116-125.	1.6	5
83	SN 2015an: a normal luminosity type II supernova with low expansion velocity at early phases. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1605-1619.	1.6	4
84	AT 2019qyl in NGC 300: Internal Collisions in the Early Outflow from a Very Fast Nova in a Symbiotic Binary* â€. <i>Astrophysical Journal</i> , 2021, 920, 127.	1.6	4
85	SN 2014ab: an aspherical Type IIn supernova with low polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 3835-3851.	1.6	3
86	SN 2019hcc: a Type II supernova displaying early Oâ€œii lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4819-4840.	1.6	3
87	The Fast-evolving Type Ib Supernova SN 2015dj in NGC 7371. <i>Astrophysical Journal</i> , 2021, 909, 100.	1.6	2
88	SN 2017hpa: A Nearby Carbon-rich Type Ia Supernova with a Large Velocity Gradient. <i>Astrophysical Journal</i> , 2021, 909, 176.	1.6	2
89	Evolution of a Peculiar Type Ibn Supernova SN 2019wep. <i>Astrophysical Journal</i> , 2022, 930, 127.	1.6	2
90	Apparent Magnitude of Betelgeuse as a Type IIP Supernova. <i>Research Notes of the AAS</i> , 2020, 4, 35.	0.3	0