Ariel Goobar

List of Publications by Year
in descending order

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180 papers	34,991 citations	22099 59 h-index	4628 170 g-index
181 all docs	181 docs citations	181 times ranked	13343 citing authors

#	Article	IF	Citations
1	Measurements of Î© and Î› from 42 Highâ€Redshift Supernovae. Astrophysical Journal, 1999, 517, 565-586.	1.6	14,066
2	The Supernova Legacy Survey: measurement of $Omega_{mathsf{M}}$, $Omega_mathsf{Lambda}$ andwfrom the first year data set. Astronomy and Astrophysics, 2006, 447, 31-48.	2.1	2,091
3	Improved cosmological constraints from a joint analysis of the SDSS-II and SNLS supernova samples. Astronomy and Astrophysics, 2014, 568, A22.	2.1	1,422
4	New Constraints on Î©M, Î©Î›, andwfrom an Independent Set of 11 Highâ€Redshift Supernovae Observed with theHubble Space Telescope. Astrophysical Journal, 2003, 598, 102-137.	1.6	1,406
5	THEHUBBLE SPACE TELESCOPECLUSTER SUPERNOVA SURVEY. V. IMPROVING THE DARK-ENERGY CONSTRAINTS ABOVEz> 1 AND BUILDING AN EARLY-TYPE-HOSTED SUPERNOVA SAMPLE. Astrophysical Journal, 2012, 746, 85.	1.6	1,382
6	Measurements of the Cosmological Parameters Î© and Î› from the First Seven Supernovae atzâ‰¥ 0.35. Astrophysical Journal, 1997, 483, 565-581.	1.6	1,310
7	Improved Cosmological Constraints from New, Old, and Combined Supernova Data Sets. Astrophysical Journal, 2008, 686, 749-778.	1.6	1,217
8	SPECTRA AND<i>HUBBLE SPACE TELESCOPE</i>LIGHT CURVES OF SIX TYPE Ia SUPERNOVAE AT 0.511 <<i>z</i>< 1.12 AND THE UNION2 COMPILATION. Astrophysical Journal, 2010, 716, 712-738.	1.6	1,143
9	The Zwicky Transient Facility: System Overview, Performance, and First Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 018002.	1.0	1,020
10	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. Science, 2017, 358, 1559-1565.	6.0	559
11	The Zwicky Transient Facility: Science Objectives. Publications of the Astronomical Society of the Pacific, 2019, 131, 078001.	1.0	453
12	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	1.5	451
13	THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY: TECHNICAL SUMMARY. Astronomical Journal, 2008, 135, 338-347.	1.9	377
14	Timescale Stretch Parameterization of Type Ia SupernovaBâ€Band Light Curves. Astrophysical Journal, 2001, 558, 359-368.	1.6	280
15	THE EFFECT OF HOST GALAXIES ON TYPE Ia SUPERNOVAE IN THE SDSS-II SUPERNOVA SURVEY. Astrophysical Journal, 2010, 722, 566-576.	1.6	216
16	The Zwicky Transient Facility: Surveys and Scheduler. Publications of the Astronomical Society of the Pacific, 2019, 131, 068003.	1.0	205
17	The AMANDA neutrino telescope: principle of operation and first results. Astroparticle Physics, 2000, 13, 1-20.	1.9	192
18	Supernova 2002bo: inadequacy of the single parameter description. Monthly Notices of the Royal Astronomical Society, 2004, 348, 261-278.	1.6	169

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19	iPTF16geu: A multiply imaged, gravitationally lensed type Ia supernova. Science, 2017, 356, 291-295.	6.0	168
20	SN 2004aw: confirming diversity of Type Ic supernovae. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1459-1477.	1.6	159
21	A strong ultraviolet pulse from a newborn type Ia supernova. Nature, 2015, 521, 328-331.	13.7	157
22	A Generalized K Correction for Type IA Supernovae: Comparing R-band Photometry beyond z=0.2 with B, V, and R-band Nearby Photometry. Publications of the Astronomical Society of the Pacific, 1996, 108, 190.	1.0	152
23	Observation of high-energy neutrinos using ÄŒerenkov detectors embedded deep in Antarctic ice. Nature, 2001, 410, 441-443.	13.7	148
24	High-Velocity Features: A Ubiquitous Property of Type Ia Supernovae. Astrophysical Journal, 2005, 623, L37-L40.	1.6	146
25	Constraints on the sum of the neutrino masses in dynamical dark energy models with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>w</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>z</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 497 Td (stretchy="false") are tighter than those obtained in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" disp	1.4	144
26	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. Publications of the Astronomical Society of Australia, 2017, 34, .	1.3	142
27	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.	1.6	136
28	A tidal disruption event coincident with a high-energy neutrino. Nature Astronomy, 2021, 5, 510-518.	4.2	136
29	The first direct double neutron star merger detection: Implications for cosmic nucleosynthesis. Astronomy and Astrophysics, 2018, 615, A132.	2.1	134
30	Low R _V from Circumstellar Dust around Supernovae. Astrophysical Journal, 2008, 686, L103-L106.	1.6	130
31	Detectability of compact binary merger macronovae. Classical and Quantum Gravity, 2017, 34, 104001.	1.5	126
32	SNÂ2006oz: rise of a super-luminous supernova observed by the SDSS-II SN Survey. Astronomy and Astrophysics, 2012, 541, A129.	2.1	124
33	The Hubble diagram of type Ia supernovae as a function of host galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2003, 340, 1057-1075.	1.6	112
34	The Data Release of the Sloan Digital Sky Survey-II Supernova Survey. Publications of the Astronomical Society of the Pacific, 2018, 130, 064002.	1.0	109
35	The Zwicky Transient Facility Bright Transient Survey. II. A Public Statistical Sample for Exploring Supernova Demographics*. Astrophysical Journal, 2020, 904, 35.	1.6	107
36	THE RISE OF SN 2014J IN THE NEARBY GALAXY M82. Astrophysical Journal Letters, 2014, 784, L12.	3.0	104

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37	Spectroscopic Observations and Analysis of the Peculiar SN 1999aa. Astronomical Journal, 2004, 128, 387-404.	1.9	99
38	A supernova at Z = 0.458 and implications for measuring the cosmological deceleration. Astrophysical Journal, 1995, 440, L41.	1.6	98
39	The Distant Type Ia Supernova Rate. Astrophysical Journal, 2002, 577, 120-132.	1.6	94
40	THE PECULIAR EXTINCTION LAW OF SN 2014J MEASURED WITH THE HUBBLE SPACE TELESCOPE. Astrophysical Journal Letters, 2014, 788, L21.	3.0	94
41	The Zwicky Transient Facility Bright Transient Survey. I. Spectroscopic Classification and the Redshift Completeness of Local Galaxy Catalogs. Astrophysical Journal, 2020, 895, 32.	1.6	91
42	The Type Ia Supernova Rate at z âˆ¼ 0.4. Astrophysical Journal, 1996, 473, 356-364.	1.6	89
43	Supernova Cosmology: Legacy and Future. Annual Review of Nuclear and Particle Science, 2011, 61, 251-279.	3.5	87
44	ESC observations of SN 2005cf - I. Photometric evolution of a normal Type Ia supernova. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1301-1316.	1.6	86
45	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.	3.0	86
46	The colour-lightcurve shape relation of typeÂIa supernovae and the reddening law. Astronomy and Astrophysics, 2008, 487, 19-31.	2.1	78
47	Diversity in extinction laws of Type Ia supernovae measured between 0.2 and 2â€‰Î¼m. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3301-3329.	1.6	78
48	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. Astrophysical Journal, 2019, 886, 152.	1.6	77
49	The Type I[CLC]a[/CLC] Supernova 1999[CLC]aw[/CLC]: A Probable 1999[CLC]aa[/CLC]-like Event in a Low-Luminosity Host Galaxy. Astronomical Journal, 2002, 124, 2905-2919.	1.9	76
50	MEASUREMENTS OF THE RATE OF TYPE Ia SUPERNOVAE AT REDSHIFT â‰²0.3 FROM THE SLOAN DIGITAL SKY SURVEY II SUPERNOVA SURVEY. Astrophysical Journal, 2010, 713, 1026-1036.	1.6	74
51	GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Starâ€“Black Hole Merger. Astrophysical Journal, 2020, 890, 131.	1.6	74
52	Kilonova Luminosity Function Constraints Based on Zwicky Transient Facility Searches for 13 Neutron Star Merger Triggers during O3. Astrophysical Journal, 2020, 905, 145.	1.6	69
53	Strong near-infrared carbon in the Type Ia supernova iPTF13ebh. Astronomy and Astrophysics, 2015, 578, A9.	2.1	68
54	SLOW-SPEED SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY: TWO CHANNELS. Astrophysical Journal, 2015, 799, 52.	1.6	68

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55	No trace of a single-degenerate companion in late spectra of supernovae 2011fe and 2014J. Astronomy and Astrophysics, 2015, 577, A39.	2.1	67
56	Optical Properties of the South Pole Ice at Depths Between 0.8 and 1 Kilometer. Science, 1995, 267, 1147-1150.	6.0	65
57	Spitzer mid-infrared detections of neutron star merger GW170817 suggests synthesis of the heaviest elements. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 510, L7-L12.	1.2	64
58	The peculiar Type Ia supernova iPTF14atg: Chandrasekhar-mass explosion or violent merger?. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4428-4439.	1.6	63
59	AN INTENSIVEHUBBLE SPACE TELESCOPESURVEY FORz>1 TYPE Ia SUPERNOVAE BY TARGETING GALAXY CLUSTERS. Astronomical Journal, 2009, 138, 1271-1283.	1.9	60
60	Cosmological Model Insensitivity of Local H₀ from the Cepheid Distance Ladder. Astrophysical Journal, 2020, 894, 54.	1.6	60
61	A New Determination of the Highâ€Redshift Type Ia Supernova Rates with theHubble Space TelescopeAdvanced Camera for Surveys. Astrophysical Journal, 2008, 673, 981-998.	1.6	58
62	Measurement of Î©m, Î©Î›from a Blind Analysis of Type Ia Supernovae with CMAGIC: Using Color Information to Verify the Acceleration of the Universe. Astrophysical Journal, 2006, 644, 1-20.	1.6	57
63	THE SUBLUMINOUS SUPERNOVA 2007qd: A MISSING LINK IN A FAMILY OF LOW-LUMINOSITY TYPE Ia SUPERNOVAE. Astrophysical Journal, 2010, 720, 704-716.	1.6	57
64	Carnegie Supernova Project-II: Extending the Near-infrared Hubble Diagram for Type Ia Supernovae to z â‰¼ 0.1. Publications of the Astronomical Society of the Pacific, 2019, 131, 014001.	1.0	56
65	Measuring the properties of extragalactic dust and implications for the Hubble diagram. Astronomy and Astrophysics, 2002, 384, 1-10.	2.1	55
66	Carnegie Supernova Project-II: The Near-infrared Spectroscopy Program. Publications of the Astronomical Society of the Pacific, 2019, 131, 014002.	1.0	55
67	Multi-epoch high-resolution spectroscopy of SNÂ2011fe. Astronomy and Astrophysics, 2013, 549, A62.	2.1	54
68	CONSTRAINTS ON THE ORIGIN OF THE FIRST LIGHT FROM SN 2014J. Astrophysical Journal, 2015, 799, 106.	1.6	53
69	FIRST-YEAR SPECTROSCOPY FOR THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY. Astronomical Journal, 2008, 135, 1766-1784.	1.9	52
70	Spectra of High-Redshift Type Ia Supernovae and a Comparison with Their Low-Redshift Counterparts. Astronomical Journal, 2005, 130, 2788-2803.	1.9	49
71	Early Observations of the Type Ia Supernova iPTF 16abc: A Case of Interaction with Nearby, Unbound Material and/or Strong Ejecta Mixing. Astrophysical Journal, 2018, 852, 100.	1.6	49
72	Quantitative comparison between type Ia supernova spectra at low and high redshifts: a case study. Astronomy and Astrophysics, 2007, 470, 411-424.	2.1	49

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73	LOOKING BEYOND LAMBDA WITH THE UNION SUPERNOVA COMPILATION. Astrophysical Journal, 2009, 695, 391-403.	1.6	46
74	RestframeI-band Hubble diagram for typeÂIa supernovae up to redshiftz$mathsf{sim}$ 0.5. Astronomy and Astrophysics, 2005, 437, 789-804.	2.1	46
75	SNOC: A Monte-Carlo simulation package for high-zsupernova observations. Astronomy and Astrophysics, 2002, 392, 757-771.	2.1	43
76	A MEASUREMENT OF THE RATE OF TYPE Ia SUPERNOVAE IN GALAXY CLUSTERS FROM THE SDSS-II SUPERNOVA SURVEY. Astrophysical Journal, 2010, 715, 1021-1035.	1.6	42
77	Fast-transient Searches in Real Time with ZTFReST: Identification of Three Optically Discovered Gamma-Ray Burst Afterglows and New Constraints on the Kilonova Rate. Astrophysical Journal, 2021, 918, 63.	1.6	42
78	Rates and Properties of Supernovae Strongly Gravitationally Lensed by Elliptical Galaxies in Time-domain Imaging Surveys. Astrophysical Journal, Supplement Series, 2019, 243, 6.	3.0	41
79	Cosmological parameters from lensed supernovae. Astronomy and Astrophysics, 2002, 393, 25-32.	2.1	40
80	Spectroscopic Observations and Analysis of the Unusual Type Ia SN 1999ac. Astronomical Journal, 2005, 130, 2278-2292.	1.9	39
81	NTT and NOT spectroscopy of SDSS-II supernovae. Astronomy and Astrophysics, 2011, 526, A28.	2.1	39
82	PRECISION MEASUREMENT OF THE MOST DISTANT SPECTROSCOPICALLY CONFIRMED SUPERNOVA Ia WITH THEHUBBLE SPACE TELESCOPE. Astrophysical Journal, 2013, 763, 35.	1.6	39
83	THEHUBBLE SPACE TELESCOPECLUSTER SUPERNOVA SURVEY. II. THE TYPE Ia SUPERNOVA RATE IN HIGH-REDSHIFT GALAXY CLUSTERS. Astrophysical Journal, 2012, 745, 32.	1.6	37
84	OPTICAL IDENTIFICATION OF CEPHEIDS IN 19 HOST GALAXIES OF TYPE Ia SUPERNOVAE AND NGC 4258 WITH THE HUBBLE SPACE TELESCOPE*. Astrophysical Journal, 2016, 830, 10.	1.6	37
85	Delayed Circumstellar Interaction for Type Ia SN 2015cp Revealed by an HST Ultraviolet Imaging Survey. Astrophysical Journal, 2019, 871, 62.	1.6	36
86	PHOTOMETRIC ESTIMATES OF REDSHIFTS AND DISTANCE MODULI FOR TYPE Ia SUPERNOVAE. Astrophysical Journal, 2010, 717, 40-57.	1.6	35
87	Corrections for Gravitational Lensing of Supernovae: Better than Average?. Astrophysical Journal, 2006, 640, 417-427.	1.6	33
88	Lensed Type Ia supernovae as probes of cluster mass models. Monthly Notices of the Royal Astronomical Society, 2014, 440, 2742-2754.	1.6	33
89	Lensing Magnification of Supernovae in the GOODS Fields. Astrophysical Journal, 2006, 639, 991-998.	1.6	32
90	PERTURBATIONS OF SNe Ia LIGHT CURVES, COLORS, AND SPECTRAL FEATURES BY CIRCUMSTELLAR DUST. Astrophysical Journal, 2011, 735, 20.	1.6	32

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91	<tt>simsurvey</tt>: estimating transient discovery rates for the Zwicky transient facility. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 005-005.	1.9	32
92	The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. Astrophysical Journal, 2020, 898, 56.	1.6	32
93	Near-IR search for lensed supernovae behind galaxy clusters. Astronomy and Astrophysics, 2009, 507, 71-83.	2.1	31
94	High-redshift supernova rates measured with the gravitational telescope Aâ€‰1689. Astronomy and Astrophysics, 2016, 594, A54.	2.1	30
95	A study of the decays of tau leptons produced on theZ resonance at LEP. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1992, 55, 555-567.	1.5	29
96	Determination of? s using the next-to-leading-log approximation of QCD. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1993, 59, 21-33.	1.5	29
97	A measurement ofB meson production and lifetime usingDl â¯ events inZ 0 decays. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1993, 57, 181-195.	1.5	29
98	Constraining the Observer Angle of the Kilonova AT2017gfo Associated with GW170817: Implications for the Hubble Constant. Astrophysical Journal, 2020, 888, 67.	1.6	29
99	Implications for the Hubble Constant from the First Seven Supernovae at [CLC][ITAL]z[/ITAL][/CLC] â‰¥ 0.35. Astrophysical Journal, 1997, 476, L63-L66.	1.6	28
100	THEHUBBLE SPACE TELESCOPECLUSTER SUPERNOVA SURVEY. VI. THE VOLUMETRIC TYPE Ia SUPERNOVA RATE. Astrophysical Journal, 2012, 745, 31.	1.6	28
101	Color Me Intrigued: The Discovery of iPTF 16fnm, an SN 2002cxâ€“like Object. Astrophysical Journal, 2017, 848, 59.	1.6	28
102	Narrowing down the possible explanations of cosmic acceleration with geometric probes. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 040-040.	1.9	28
103	Spitzerobservations of SN 2014J and properties of mid-IR emission in Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3442-3449.	1.6	28
104	A HIGHLY MAGNIFIED SUPERNOVA AT z = 1.703 BEHIND THE MASSIVE GALAXY CLUSTER A1689. Astrophysical Journal Letters, 2011, 742, L7.	3.0	27
105	Herschel limits on far-infrared emission from circumstellar dust around three nearby Type Ia supernovae. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 431, L43-L47.	1.2	27
106	EVIDENCE FOR A CORRELATION BETWEEN THE Si II Î»4000 WIDTH AND TYPE Ia SUPERNOVA COLOR. Astrophysical Journal, 2011, 734, 42.	1.6	26
107	ZTF Early Observations of Type Ia Supernovae. III. Early-time Colors As a Test for Explosion Models and Multiple Populations. Astrophysical Journal, 2020, 902, 48.	1.6	26
108	Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. Astrophysical Journal, 2020, 904, 155.	1.6	26

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109	Study of final state photons in hadronicZ 0 decay and limits on new phenomena. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1992, 53, 555-565.	1.5	25
110	Gravitational Lensing of the Farthest Known Supernova SN 1997ff. Astrophysical Journal, 2001, 561, 106-110.	1.6	25
111	Sensitivity of the Hubble Constant Determination to Cepheid Calibration. Astrophysical Journal, 2022, 933, 212.	1.6	25
112	UV and optical light transmission properties in deep ice at the South Pole. Geophysical Research Letters, 1997, 24, 1355-1358.	1.5	24
113	CHARACTERIZING THE PROPERTIES OF CLUSTERS OF GALAXIES AS A FUNCTION OF LUMINOSITY AND REDSHIFT. Astrophysical Journal, 2009, 696, 1029-1050.	1.6	24
114	Correcting for lensing bias in the Hubble diagram. Astronomy and Astrophysics, 2003, 397, 819-823.	2.1	24
115	ZTF20aajnksq (AT 2020blt): A Fast Optical Transient at zÂâ‰ˆÂ2.9 with No Detected Gamma-Ray Burst Counterpart. Astrophysical Journal, 2020, 905, 98.	1.6	24
116	Near-infrared Supernova Ia Distances: Host Galaxy Extinction and Mass-step Corrections Revisited. Astrophysical Journal, 2021, 923, 237.	1.6	24
117	Weak lensing from space I: instrumentation and survey strategy. Astroparticle Physics, 2004, 20, 377-389.	1.9	23
118	Detectability of kilonovae in optical surveys: post-mortem examination of the LVC O3 run follow-up. Monthly Notices of the Royal Astronomical Society, 2021, 504, 1294-1303.	1.6	22
119	Determining the Fraction of Compact Objects in the Universe Using Supernova Observations. Astrophysical Journal, 2001, 559, 53-58.	1.6	21
120	Constraints on intergalactic dust from quasar colours. Journal of Cosmology and Astroparticle Physics, 2003, 2003, 009-009.	1.9	21
121	OBSERVATIONS OF THE M82 SN 2014J WITH THE KILODEGREE EXTREMELY LITTLE TELESCOPE. Astrophysical Journal, 2015, 799, 105.	1.6	21
122	The Discovery of a Gravitationally Lensed Supernova Ia at Redshift 2.22. Astrophysical Journal, 2018, 866, 65.	1.6	21
123	AT 2019avd: a novel addition to the diverse population of nuclear transients. Astronomy and Astrophysics, 2021, 647, A9.	2.1	21
124	Target-of-opportunity Observations of Gravitational-wave Events with Vera C. Rubin Observatory. Astrophysical Journal, Supplement Series, 2022, 260, 18.	3.0	21
125	Shedding light on the Type Ia supernova extinction puzzle: dust location found. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3663-3674.	1.6	20
126	The Zwicky Transient Facility Type Ia supernova survey: first data release and results. Monthly Notices of the Royal Astronomical Society, 2022, 510, 2228-2241.	1.6	20

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127	Type Ia supernova Hubble diagram with near-infrared and optical observations. Astronomy and Astrophysics, 2018, 615, A45.	2.1	19
128	Measurement of the average lifetime ofB hadrons. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1992, 53, 567-580.	1.5	18
129	Tentative detection of the gravitational magnification of Type Ia supernovae. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 002-002.	1.9	18
130	ABSENCE OF FAST-MOVING IRON IN AN INTERMEDIATE TYPE Ia SUPERNOVA BETWEEN NORMAL AND SUPER-CHANDRASEKHAR. Astrophysical Journal, 2016, 823, 147.	1.6	18
131	Constraining Type Ia supernova explosions and early flux excesses with the Zwicky Transient Factory. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1317-1340.	1.6	18
132	Tuning Gravitationally Lensed Standard Sirens. Astrophysical Journal, 2007, 658, 52-59.	1.6	17
133	SNÂ2000cx and SNÂ2013bh: extremely rare, nearly twin Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2013, 436, 1225-1237.	1.6	17
134	Estimating dust distances to Type Ia supernovae from colour excess time evolution. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1918-1929.	1.6	17
135	Faint objects in motion: the new frontier of high precision astrometry. Experimental Astronomy, 2021, 51, 845-886.	1.6	17
136	Search for excited charged leptons inZ 0 decays. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1992, 53, 41-49.	1.5	16
137	Subaru FOCAS Spectroscopic Observations of High-Redshift Supernovae. Publication of the Astronomical Society of Japan, 2010, 62, 19-37.	1.0	16
138	R-band light-curve properties of Type Ia supernovae from the (intermediate) Palomar Transient Factory. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5045-5076.	1.6	16
139	Lens modelling of the strongly lensed Type Ia supernova iPTF16geu. Monthly Notices of the Royal Astronomical Society, 2020, 496, 3270-3280.	1.6	15
140	Weighing dark matter haloes with gravitationally lensed supernovae. Monthly Notices of the Royal Astronomical Society, 2010, 402, 526-536.	1.6	14
141	Time-varying sodium absorption in the Type Ia supernova 2013gh. Astronomy and Astrophysics, 2016, 592, A40.	2.1	14
142	The luminous and rapidly evolving SN 2018bcc. Astronomy and Astrophysics, 2021, 649, A163.	2.1	14
143	Searching for supernovae in the multiply-imaged galaxies behind the gravitational telescope A370. Astronomy and Astrophysics, 2018, 614, A103.	2.1	13
144	iPTF16abc and the population of Type Ia supernovae: comparing the photospheric, transitional, and nebular phases. Monthly Notices of the Royal Astronomical Society, 2018, 480, 1445-1456.	1.6	13

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145	iPTF Survey for Cool Transients. Publications of the Astronomical Society of the Pacific, 2018, 130, 034202.	1.0	12
146	Magnification, dust and time-delay constraints from the first resolved strongly lensed Type Ia supernova iPTF16geu. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	12
147	Optimizing Cadences with Realistic Light-curve Filtering for Serendipitous Kilonova Discovery with Vera Rubin Observatory. Astrophysical Journal, Supplement Series, 2022, 258, 5.	3.0	12
148	No Evidence of Circumstellar Gas Surrounding Type Ia Supernova SN 2017cbv. Astrophysical Journal Letters, 2017, 851, L43.	3.0	11
149	The effect of inhomogeneities on dark energy constraints. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 024-024.	1.9	11
150	Selection of Highâ€zSupernova Candidates. Publications of the Astronomical Society of the Pacific, 2002, 114, 284-297.	1.0	10
151	Near-InfraredKCorrections of Type Ia Supernovae and their Errors. Publications of the Astronomical Society of the Pacific, 2014, 126, 324-337.	1.0	9
152	Two câ€™s in a pod: cosmology-independent measurement of the Type Ia supernova colourâ€“luminosity relation with a sibling pair. Monthly Notices of the Royal Astronomical Society, 2021, 509, 5340-5356.	1.6	9
153	Prospects for Strongly Lensed Supernovae Behind Hubble Frontier Fields Galaxy Clusters with the James Webb Space Telescope. Astronomy Reports, 2018, 62, 917-925.	0.2	8
154	The HST See Change Program. I. Survey Design, Pipeline, and Supernova Discoveries*. Astrophysical Journal, 2021, 912, 87.	1.6	8
155	Spectroscopy of the first resolved strongly lensed Type Ia supernova iPTF16geu. Monthly Notices of the Royal Astronomical Society, 2021, 502, 510-520.	1.6	8
156	Donâ€™t Blink: Constraining the Circumstellar Environment of the Interacting Type Ia Supernova 2015cp. Astrophysical Journal, 2018, 868, 21.	1.6	7
157	The cosmic transparency measured with Type Ia supernovae: implications for intergalactic dust. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L75-L79.	1.2	7
158	Characterizing the secondary maximum in the r-band for Type Ia supernovae: diagnostic for the ejecta mass. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2343-2354.	1.6	7
159	CONSTRAINING DUST AND COLOR VARIATIONS OF HIGH-zSNe USING NICMOS ON THEHUBBLE SPACE TELESCOPE. Astrophysical Journal, 2009, 700, 1415-1427.	1.6	6
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