

# Melissa L Graham

## List of Publications by Year in descending order

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99  
papers

8,423  
citations

57631

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43802

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99  
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99  
docs citations

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times ranked

6269  
citing authors

#	ARTICLE	IF	CITATIONS
1	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019, 873, 111.	1.6	1,744
2	SUPERNOVA CONSTRAINTS AND SYSTEMATIC UNCERTAINTIES FROM THE FIRST THREE YEARS OF THE SUPERNOVA LEGACY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2011, 192, 1.	3.0	672
3	The Supernova Legacy Survey 3-year sample: Type Ia supernovae photometric distances and cosmological constraints. <i>Astronomy and Astrophysics</i> , 2010, 523, A7.	2.1	412
4	Supernova SN 2011fe from an exploding carbon-oxygen white dwarf star. <i>Nature</i> , 2011, 480, 344-347.	13.7	412
5	SNLS3: CONSTRAINTS ON DARK ENERGY COMBINING THE SUPERNOVA LEGACY SURVEY THREE-YEAR DATA WITH OTHER PROBES. <i>Astrophysical Journal</i> , 2011, 737, 102.	1.6	370
6	A COMPACT DEGENERATE PRIMARY-STAR PROGENITOR OF SN 2011fe. <i>Astrophysical Journal Letters</i> , 2012, 744, L17.	3.0	251
7	The diversity of Type II supernova versus the similarity in their progenitors. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 3939-3962.	1.6	227
8	Multiple images of a highly magnified supernova formed by an early-type cluster galaxy lens. <i>Science</i> , 2015, 347, 1123-1126.	6.0	202
9	TYPE Ia SUPERNOVAE STRONGLY INTERACTING WITH THEIR CIRCUMSTELLAR MEDIUM. <i>Astrophysical Journal, Supplement Series</i> , 2013, 207, 3.	3.0	180
10	HOST-GALAXY PROPERTIES OF 32 LOW-REDSHIFT SUPERLUMINOUS SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2016, 830, 13.	1.6	170
11	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019, 884, 85.	1.6	141
12	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
13	The first month of evolution of the slow-rising Type IIP SN 2013ej in M74. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 438, L101-L105.	1.2	124
14	Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. <i>Nature</i> , 2017, 551, 210-213.	13.7	112
15	PTF11iqb: cool supergiant mass-loss that bridges the gap between Type IIIn and normal supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1876-1896.	1.6	111
16	The Zwicky Transient Facility Bright Transient Survey. II. A Public Statistical Sample for Exploring Supernova Demographics*. <i>Astrophysical Journal</i> , 2020, 904, 35.	1.6	107
17	A statistical analysis of circumstellar material in Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 222-240.	1.6	100
18	1ES 1927+654: An AGN Caught Changing Look on a Timescale of Months. <i>Astrophysical Journal</i> , 2019, 883, 94.	1.6	95

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19	Hydrogen-poor Superluminous Supernovae with Late-time H $\beta$ Emission: Three Events From the Intermediate Palomar Transient Factory. <i>Astrophysical Journal</i> , 2017, 848, 6.	1.6	91
20	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.	1.6	91
21	Models and Simulations for the Photometric LSST Astronomical Time Series Classification Challenge (PLAsTiCC). <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 094501.	1.0	85
22	Constraints on the alignment of galaxies in galaxy clusters from $\sim 14 \times 10^4$ spectroscopic members. <i>Astronomy and Astrophysics</i> , 2015, 575, A48.	2.1	85
23	CONSTRAINTS ON THE PROGENITOR SYSTEM OF THE TYPE Ia SUPERNOVA 2014J FROM PRE-EXPLOSION HUBBLE SPACE TELESCOPE IMAGING. <i>Astrophysical Journal</i> , 2014, 790, 3.	1.6	78
24	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. <i>Astrophysical Journal</i> , 2019, 886, 152.	1.6	77
25	ESTIMATING THE FIRST-LIGHT TIME OF THE TYPE IA SUPERNOVA 2014J IN M82. <i>Astrophysical Journal Letters</i> , 2014, 783, L24.	3.0	75
26	Massive star mergers and the recent transient in NGC 4490: a more massive cousin of V838 Mon and V1309 Sco. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 950-962.	1.6	74
27	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.	1.6	69
28	A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion. <i>Astrophysical Journal</i> , 2021, 912, 46.	1.6	66
29	CLUES TO THE NATURE OF SN 2009ip FROM PHOTOMETRIC AND SPECTROSCOPIC EVOLUTION TO LATE TIMES. <i>Astrophysical Journal</i> , 2014, 787, 163.	1.6	64
30	THE DOUBLE-PEAKED SN 2013ge: A TYPE Ib/c SN WITH AN ASYMMETRIC MASS EJECTION OR AN EXTENDED PROGENITOR ENVELOPE. <i>Astrophysical Journal</i> , 2016, 821, 57.	1.6	64
31	A REVERSE SHOCK IN GRB 160509A. <i>Astrophysical Journal</i> , 2016, 833, 88.	1.6	63
32	THE VERY YOUNG TYPE Ia SUPERNOVA 2012cg: DISCOVERY AND EARLY-TIME FOLLOW-UP OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012, 756, L7.	3.0	63
33	EARLY OBSERVATIONS AND ANALYSIS OF THE TYPE Ia SN 2014J IN M82. <i>Astrophysical Journal</i> , 2015, 798, 39.	1.6	60
34	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. <i>Astrophysical Journal</i> , 2021, 907, 99.	1.6	59
35	The Berkeley sample of stripped-envelope supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1545-1556.	1.6	57
36	EXTENSIVE SPECTROSCOPY AND PHOTOMETRY OF THE TYPE IIP SUPERNOVA 2013ej. <i>Astrophysical Journal</i> , 2016, 822, 6.	1.6	54

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37	ASPHERICITY, INTERACTION, AND DUST IN THE TYPE II-P/II-L SUPERNOVA 2013EJ IN MESSIER 74. <i>Astrophysical Journal</i> , 2017, 834, 118.	1.6	53
38	Nebular-phase spectra of nearby Type Ia Supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 3437-3454.	1.6	53
39	Endurance of SN 2005ip after a decade: X-rays, radio and H $\alpha$ like SN 1988Z require long-lived pre-supernova mass-loss. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 3021-3034.	1.6	52
40	Photometric Redshifts with the LSST: Evaluating Survey Observing Strategies. <i>Astronomical Journal</i> , 2018, 155, 1.	1.9	51
41	Nebular Spectroscopy of the "Blue Bump" Type Ia Supernova 2017cbv. <i>Astrophysical Journal</i> , 2018, 863, 24.	1.6	50
42	INTRACLUSTER SUPERNOVAE IN THE MULTI-EPOCH NEARBY CLUSTER SURVEY. <i>Astrophysical Journal</i> , 2011, 729, 142.	1.6	49
43	500 days of SN 2013dy: spectra and photometry from the ultraviolet to the infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 4307-4325.	1.6	49
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	Constraining the progenitor companion of the nearby Type Ia SN 2011fe with a nebular spectrum at +981 d. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1948-1957.	1.6	45
46	SN 2015U: a rapidly evolving and luminous Type Ibn supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 3057-3074.	1.6	45
47	PARALLAX OF GALACTIC CEPHEIDS FROM SPATIALLY SCANNING THE WIDE FIELD CAMERA 3 ON THE HUBBLE SPACE TELESCOPE: THE CASE OF SS CANIS MAJORIS. <i>Astrophysical Journal</i> , 2016, 825, 11.	1.6	44
48	THE MULTI-EPOCH NEARBY CLUSTER SURVEY: TYPE Ia SUPERNOVA RATE MEASUREMENT IN $\sim 0.1$ CLUSTERS AND THE LATE-TIME DELAY TIME DISTRIBUTION. <i>Astrophysical Journal</i> , 2012, 746, 163.	1.6	41
49	The Berkeley sample of Type II supernovae: BVRI light curves and spectroscopy of 55 SNe II. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2799-2821.	1.6	41
50	SN REFSDAL: CLASSIFICATION AS A LUMINOUS AND BLUE SN 1987A-LIKE TYPE II SUPERNOVA. <i>Astrophysical Journal</i> , 2016, 831, 205.	1.6	40
51	Optimization of the Observing Cadence for the Rubin Observatory Legacy Survey of Space and Time: A Pioneering Process of Community-focused Experimental Design. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 1.	3.0	40
52	Twins for life? A comparative analysis of the Type Ia supernovae 2011fe and 2011by. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 2073-2088.	1.6	38
53	TIME-VARYING POTASSIUM IN HIGH-RESOLUTION SPECTRA OF THE TYPE IA SUPERNOVA 2014J. <i>Astrophysical Journal</i> , 2015, 801, 136.	1.6	37
54	Stripped-envelope supernova SN 2004dk is now interacting with hydrogen-rich circumstellar material. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 5050-5055.	1.6	37

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55	Delayed Circumstellar Interaction for Type Ia SN 2015cp Revealed by an HST Ultraviolet Imaging Survey. <i>Astrophysical Journal</i> , 2019, 871, 62.	1.6	36
56	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
57	SN 2015ht: a super-Eddington outburst from a massive cool hypergiant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1922-1934.	1.6	31
58	Massive stars exploding in a He-rich circumstellar medium – VI. Observations of two distant Type Ibn supernova candidates discovered by La Silla-QUEST. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1954-1966.	1.6	29
59	Evaluation of probabilistic photometric redshift estimation approaches for The Rubin Observatory Legacy Survey of Space and Time (LSST). <i>Monthly Notices of the Royal Astronomical Society</i> , 0, .	1.6	29
60	Near-infrared and Optical Observations of Type Ic SN 2020oi and Broad-lined Type Ic SN 2020bvc: Carbon Monoxide, Dust, and High-velocity Supernova Ejecta. <i>Astrophysical Journal</i> , 2021, 908, 232.	1.6	29
61	Oxygen and helium in stripped-envelope supernovae. <i>Astronomy and Astrophysics</i> , 2018, 618, A37.	2.1	26
62	Berkeley supernova Ia program: data release of 637 spectra from 247 Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 4325-4343.	1.6	26
63	KECK SPECTROSCOPY OF MILLISECOND PULSAR J2215+5135: A MODERATE- $M$ $NS$ , HIGH-INCLINATION BINARY. <i>Astrophysical Journal Letters</i> , 2015, 809, L10.	3.0	25
64	The Persistent Eruption of UGC 2773-OT: finally, a decade-long extragalactic Eta Carinae analogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3546-3560.	1.6	24
65	TYPE IA SUPERNOVAE: COLORS, RATES, AND PROGENITORS. <i>Astrophysical Journal</i> , 2017, 834, 15.	1.6	24
66	The nearby Type Ibn supernova 2015G: signatures of asymmetry and progenitor constraints. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 4381-4397.	1.6	24
67	Clues to the nature of SN 2009ip – II. The continuing photometric and spectroscopic evolution to 1000 days. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 1559-1572.	1.6	24
68	Carnegie Supernova Project II: The Slowest Rising Type Ia Supernova LSQ14fmg and Clues to the Origin of Super-Chandrasekhar/03fg-like Events*. <i>Astrophysical Journal</i> , 2020, 900, 140.	1.6	24
69	Early ultraviolet emission in the Type Ia supernova LSQ12gdj: No evidence for ongoing shock interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 30-48.	1.6	23
70	Cataclysmic Variables in the First Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2020, 159, 198.	1.9	22
71	Nebular $H\beta$ Limits for Fast Declining SNe Ia. <i>Astrophysical Journal Letters</i> , 2019, 877, L4.	3.0	21
72	After the Fall: Late-Time Spectroscopy of Type IIP Supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stx058.	1.6	20

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73	SN2012ab: a peculiar Type II supernova with aspherical circumstellar material. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1104-1120.	1.6	20
74	The dusty aftermath of SN 2014J: merger-burst remnant?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 3765-3775.	1.6	20
75	THE TYPE II SUPERNOVA RATE IN $z \sim 0.1$ GALAXY CLUSTERS FROM THE MULTI-EPOCH NEARBY CLUSTER SURVEY. <i>Astrophysical Journal</i> , 2012, 753, 68.	1.6	19
76	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
77	PSR J1301+0833: A KINEMATIC STUDY OF A BLACK-WIDOW PULSAR. <i>Astrophysical Journal</i> , 2016, 833, 138.	1.6	19
78	Approximating Photo-z PDFs for Large Surveys. <i>Astronomical Journal</i> , 2018, 156, 35.	1.9	19
79	PTF11kx: A Type Ia Supernova with Hydrogen Emission Persisting after 3.5 Years. <i>Astrophysical Journal</i> , 2017, 843, 102.	1.6	18
80	CONFIRMATION OF HOSTLESS TYPE Ia SUPERNOVAE USING HUBBLE SPACE TELESCOPE IMAGING. <i>Astrophysical Journal</i> , 2015, 807, 83.	1.6	17
81	Significant luminosity differences of two twin Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5991-5999.	1.6	17
82	Discovery and Follow-up Observations of the Young Type Ia Supernova 2016coj. <i>Astrophysical Journal</i> , 2017, 841, 64.	1.6	16
83	Presto-Color: A Photometric Survey Cadence for Explosive Physics and Fast Transients. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 068002.	1.0	14
84	The Impact of Observing Strategy on Cosmological Constraints with LSST. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 58.	3.0	13
85	Photometric Redshifts with the LSST. II. The Impact of Near-infrared and Near-ultraviolet Photometry. <i>Astronomical Journal</i> , 2020, 159, 258.	1.9	11
86	Circumstellar Medium Constraints on the Environment of Two Nearby Type Ia Supernovae: SN 2017cbv and SN 2020nlb. <i>Astrophysical Journal</i> , 2021, 922, 21.	1.6	11
87	A Peculiar GRB 110731A: Lorentz Factor, Jet Composition, Central Engine, and Progenitor. <i>Astrophysical Journal</i> , 2017, 843, 114.	1.6	9
88	Strong Near-infrared Carbon Absorption in the Transitional Type Ia SN 2015bp*. <i>Astrophysical Journal</i> , 2021, 914, 57.	1.6	9
89	Early Ultraviolet Observations of Type II supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020, 899, 51.	1.6	9
90	Spectral Sequences of Type Ia Supernovae. II. Carbon as a Diagnostic Tool for Explosion Mechanisms. <i>Astrophysical Journal</i> , 2019, 871, 250.	1.6	8

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91	Nebular-phase spectra of Type Ia supernovae from the Las Cumbres Observatory Global Supernova Project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3682-3707.	1.6	8
92	Donâ€™t Blink: Constraining the Circumstellar Environment of the Interacting Type Ia Supernova 2015cp. <i>Astrophysical Journal</i> , 2018, 868, 21.	1.6	7
93	SN 2020bjj: A Type Ibn supernova with a long-lasting peak plateau. <i>Astronomy and Astrophysics</i> , 2021, 652, A136.	2.1	7
94	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.	1.6	6
95	SN 2015bf: A fast declining type II supernova with flash-ionized signatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4890-4905.	1.6	4
96	ASASSN-14ms: The Most Energetic Known Explosion of a Type Ibn Supernova and Its Physical Origin. <i>Astrophysical Journal</i> , 2021, 917, 97.	1.6	3
97	Impact of Rubin Observatory LSST Template Acquisition Strategies on Early Science from the Transients and Variable Stars Science Collaboration: Time-critical Science Cases. <i>Research Notes of the AAS</i> , 2020, 4, 41.	0.3	2
98	The Large Synoptic Survey Telescope: Overview and Update. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 189-192.	0.0	0
99	Towards Science with LSST: Data Products and Communications. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 241-244.	0.0	0