

Melissa L Graham

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98
papers

5,802
citations

38
h-index

75
g-index

99
ext. papers

7,012
ext. citations

5.9
avg, IF

4.78
L-index

#	Paper	IF	Citations
98	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	4.3	0
97	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	8	9
96	The Impact of Observing Strategy on Cosmological Constraints with LSST. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 259, 58	8	1
95	Circumstellar Medium Constraints on the Environment of Two Nearby Type Ia Supernovae: SN 2017cbv and SN 2020nlb. <i>Astrophysical Journal</i> , 2021 , 922, 21	4.7	2
94	A Large Fraction of Hydrogen-rich Supernova Progenitors Experience Elevated Mass Loss Shortly Prior to Explosion. <i>Astrophysical Journal</i> , 2021 , 912, 46	4.7	22
93	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	4.3	1
92	Strong Near-infrared Carbon Absorption in the Transitional Type Ia SN 2015bp*. <i>Astrophysical Journal</i> , 2021 , 914, 57	4.7	4
91	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	4.7	10
90	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. <i>Astrophysical Journal</i> , 2021 , 907, 99	4.7	18
89	ASASSN-14ms: The Most Energetic Known Explosion of a Type Ibn Supernova and Its Physical Origin. <i>Astrophysical Journal</i> , 2021 , 917, 97	4.7	2
88	SN 2020bjj: A Type Ibn supernova with a long-lasting peak plateau. <i>Astronomy and Astrophysics</i> , 2021 , 652, A136	5.1	2
87	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	4.7	37
86	Photometric Redshifts with the LSST. II. The Impact of Near-infrared and Near-ultraviolet Photometry. <i>Astronomical Journal</i> , 2020 , 159, 258	4.9	6
85	Cataclysmic Variables in the First Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2020 , 159, 198	4.9	12
84	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	4.3	15
83	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	0.8	2
82	Early Ultraviolet Observations of Type IIn Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020 , 899, 51	4.7	4

81	The Young and Nearby Normal Type Ia Supernova 2018gv: UV-optical Observations and the Earliest Spectropolarimetry. <i>Astrophysical Journal</i> , 2020 , 902, 46	4.7	13
80	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	4.7	14
79	The Zwicky Transient Facility Bright Transient Survey. II. A Public Statistical Sample for Exploring Supernova Demographics. <i>Astrophysical Journal</i> , 2020 , 904, 35	4.7	38
78	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	4.7	29
77	Significant luminosity differences of two twin Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 5991-5999	4.3	15
76	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> , 2020 ,	4.3	13
75	Nebular H α Limits for Fast Declining SNe Ia. <i>Astrophysical Journal Letters</i> , 2019 , 877, L4	7.9	12
74	Delayed Circumstellar Interaction for Type Ia SN 2015cp Revealed by an HST Ultraviolet Imaging Survey. <i>Astrophysical Journal</i> , 2019 , 871, 62	4.7	26
73	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	5	9
72	LSST: From Science Drivers to Reference Design and Anticipated Data Products. <i>Astrophysical Journal</i> , 2019 , 873, 111	4.7	814
71	Spectral Sequences of Type Ia Supernovae. II. Carbon as a Diagnostic Tool for Explosion Mechanisms. <i>Astrophysical Journal</i> , 2019 , 871, 250	4.7	4
70	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	5	47
69	The Berkeley sample of Type II supernovae: BVRI light curves and spectroscopy of 55 SNeII. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 2799-2821	4.3	24
68	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. <i>Astrophysical Journal</i> , 2019 , 886, 152	4.7	47
67	RELICS: Reionization Lensing Cluster Survey. <i>Astrophysical Journal</i> , 2019 , 884, 85	4.7	52
66	1ES 1927+654: An AGN Caught Changing Look on a Timescale of Months. <i>Astrophysical Journal</i> , 2019 , 883, 94	4.7	55
65	The Berkeley sample of stripped-envelope supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 1545-1556	4.3	40
64	SN2012ab: a peculiar Type IIn supernova with aspherical circumstellar material. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 1104-1120	4.3	13

63	Approximating Photo-z PDFs for Large Surveys. <i>Astronomical Journal</i> , 2018 , 156, 35	4.9	13
62	Photometric Redshifts with the LSST: Evaluating Survey Observing Strategies. <i>Astronomical Journal</i> , 2018 , 155, 1	4.9	38
61	Don't Blink: Constraining the Circumstellar Environment of the Interacting Type Ia Supernova 2015cp. <i>Astrophysical Journal</i> , 2018 , 868, 21	4.7	6
60	Oxygen and helium in stripped-envelope supernovae. <i>Astronomy and Astrophysics</i> , 2018 , 618, A37	5.1	17
59	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	4.3	22
58	Nebular Spectroscopy of the Blue Bump Type Ia Supernova 2017cbv. <i>Astrophysical Journal</i> , 2018 , 863, 24	4.7	32
57	The dusty aftermath of SN Hunt 248: merger-burst remnant?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 3765-3775	4.3	16
56	ASPHERICITY, INTERACTION, AND DUST IN THE TYPE II-P/II-L SUPERNOVA 2013EJ IN MESSIER 74. <i>Astrophysical Journal</i> , 2017 , 834, 118	4.7	44
55	TYPE IA SUPERNOVAE: COLORS, RATES, AND PROGENITORS. <i>Astrophysical Journal</i> , 2017 , 834, 15	4.7	19
54	Discovery and Follow-up Observations of the Young Type Ia Supernova 2016coj. <i>Astrophysical Journal</i> , 2017 , 841, 64	4.7	14
53	Hydrogen-poor Superluminous Supernovae with Late-time H β Emission: Three Events From the Intermediate Palomar Transient Factory. <i>Astrophysical Journal</i> , 2017 , 848, 6	4.7	65
52	Clues to the nature of SN 2009ip III. The continuing photometric and spectroscopic evolution to 1000 days. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 1559-1572	4.3	14
51	Endurance of SN 2005ip after a decade: X-rays, radio and H α like SN 1988Z require long-lived pre-supernova mass-loss. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 3021-3034	4.3	32
50	A Peculiar GRB 110731A: Lorentz Factor, Jet Composition, Central Engine, and Progenitor. <i>Astrophysical Journal</i> , 2017 , 843, 114	4.7	6
49	Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. <i>Nature</i> , 2017 , 551, 210-213	5.4	88
48	PTF11kx: A Type Ia Supernova with Hydrogen Emission Persisting after 3.5 Years. <i>Astrophysical Journal</i> , 2017 , 843, 102	4.7	13
47	After the Fall: Late-Time Spectroscopy of Type IIP Supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , stx058	4.3	12
46	Nebular-phase spectra of nearby Type Ia Supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 472, 3437-3454	4.3	41

45	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	4-3	20
44	The Large Synoptic Survey Telescope: Overview and Update: Invited Talk. <i>Proceedings of the International Astronomical Union</i> , 2017 , 14, 189-192	0-1	
43	Towards Science with LSST: Data Products and Communications: Workshop 7. <i>Proceedings of the International Astronomical Union</i> , 2017 , 14, 241-244	0-1	
42	HOST-GALAXY PROPERTIES OF 32 LOW-REDSHIFT SUPERLUMINOUS SUPERNOVAE FROM THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2016 , 830, 13	4-7	131
41	EXTENSIVE SPECTROSCOPY AND PHOTOMETRY OF THE TYPE IIP SUPERNOVA 2013ej. <i>Astrophysical Journal</i> , 2016 , 822, 6	4-7	44
40	SN 2015U: a rapidly evolving and luminous Type Ibn supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 3057-3074	4-3	39
39	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	4-7	35
38	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	4-3	19
37	SN 2012cg: EVIDENCE FOR INTERACTION BETWEEN A NORMAL SN Ia AND A NON-DEGENERATE BINARY COMPANION. <i>Astrophysical Journal</i> , 2016 , 820, 92	4-7	105
36	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	4-3	55
35	SN REFSDAL: CLASSIFICATION AS A LUMINOUS AND BLUE SN 1987A-LIKE TYPE II SUPERNOVA. <i>Astrophysical Journal</i> , 2016 , 831, 205	4-7	29
34	A REVERSE SHOCK IN GRB 160509A. <i>Astrophysical Journal</i> , 2016 , 833, 88	4-7	45
33	OPTICAL AND ULTRAVIOLET OBSERVATIONS OF THE VERY YOUNG TYPE IIP SN 2014cx IN NGC 337. <i>Astrophysical Journal</i> , 2016 , 832, 139	4-7	16
32	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	4-7	48
31	PSR J1301+0833: A KINEMATIC STUDY OF A BLACK-WIDOW PULSAR. <i>Astrophysical Journal</i> , 2016 , 833, 138	4-7	11
30	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	4-3	159
29	Astrophysics. Multiple images of a highly magnified supernova formed by an early-type cluster galaxy lens. <i>Science</i> , 2015 , 347, 1123-6	33-3	143
28	TIME-VARYING POTASSIUM IN HIGH-RESOLUTION SPECTRA OF THE TYPE IA SUPERNOVA 2014J. <i>Astrophysical Journal</i> , 2015 , 801, 136	4-7	35

27	CONFIRMATION OF HOSTLESS TYPE Ia SUPERNOVAE USING HUBBLE SPACE TELESCOPE IMAGING. <i>Astrophysical Journal</i> , 2015 , 807, 83	4.7	14
26	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	4.3	32
25	KECK SPECTROSCOPY OF MILLISECOND PULSAR J2215+5135: A MODERATE- M NS , HIGH-INCLINATION BINARY. <i>Astrophysical Journal Letters</i> , 2015 , 809, L10	7.9	24
24	Massive stars exploding in a He-rich circumstellar medium IV . 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	4.3	26
23	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	4.3	42
22	EARLY OBSERVATIONS AND ANALYSIS OF THE TYPE Ia SN 2014J IN M82. <i>Astrophysical Journal</i> , 2015 , 798, 39	4.7	56
21	SN Hunt^{248} : a super-Eddington outburst from a massive cool hypergiant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 1922-1934	4.3	25
20	SN 2013ab: a normal Type IIP supernova in NGC 5669. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 2373-2392	4.3	38
19	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	4.3	36
18	PTF11iqb: cool supergiant mass-loss that bridges the gap between Type IIn and normal supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 1876-1896	4.3	88
17	Constraints on the alignment of galaxies in galaxy clusters from $\sim 14\,000$ spectroscopic members. <i>Astronomy and Astrophysics</i> , 2015 , 575, A48	5.1	73
16	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> , 2014 , 438, L101-L105	4.3	93
15	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	4.3	21
14	CLUES TO THE NATURE OF SN 2009ip FROM PHOTOMETRIC AND SPECTROSCOPIC EVOLUTION TO LATE TIMES. <i>Astrophysical Journal</i> , 2014 , 787, 163	4.7	50
13	ESTIMATING THE FIRST-LIGHT TIME OF THE TYPE IA SUPERNOVA 2014J IN M82. <i>Astrophysical Journal Letters</i> , 2014 , 783, L24	7.9	75
12	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	4.7	70
11	TYPE Ia SUPERNOVAE STRONGLY INTERACTING WITH THEIR CIRCUMSTELLAR MEDIUM. <i>Astrophysical Journal, Supplement Series</i> , 2013 , 207, 3	8	152
10	A statistical analysis of circumstellar material in Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 222-240	4.3	88

9	A COMPACT DEGENERATE PRIMARY-STAR PROGENITOR OF SN 2011fe. <i>Astrophysical Journal Letters</i> , 2012 , 744, L17	7.9	222
8	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	4.7	17
7	THE MULTI-EPOCH NEARBY CLUSTER SURVEY: TYPE Ia SUPERNOVA RATE MEASUREMENT IN $z \sim 0.1$ CLUSTERS AND THE LATE-TIME DELAY TIME DISTRIBUTION. <i>Astrophysical Journal</i> , 2012 , 746, 163	4.7	33
6	THE VERY YOUNG TYPE Ia SUPERNOVA 2012cg: DISCOVERY AND EARLY-TIME FOLLOW-UP OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012 , 756, L7	7.9	59
5	SNLS3: CONSTRAINTS ON DARK ENERGY COMBINING THE SUPERNOVA LEGACY SURVEY THREE-YEAR DATA WITH OTHER PROBES. <i>Astrophysical Journal</i> , 2011 , 737, 102	4.7	337
4	INTRA-CLUSTER SUPERNOVAE IN THE MULTI-EPOCH NEARBY CLUSTER SURVEY. <i>Astrophysical Journal</i> , 2011 , 729, 142	4.7	43
3	SUPERNOVA CONSTRAINTS AND SYSTEMATIC UNCERTAINTIES FROM THE FIRST THREE YEARS OF THE SUPERNOVA LEGACY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 192, 1	8	558
2	Supernova SN 2011fe from an exploding carbon-oxygen white dwarf star. <i>Nature</i> , 2011 , 480, 344-7	50.4	353
1	The Supernova Legacy Survey 3-year sample: Type Ia supernovae photometric distances and cosmological constraints. <i>Astronomy and Astrophysics</i> , 2010 , 523, A7	5.1	339