

Jesper Sollerman

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.

227
papers

15,877
citations

67
h-index

120
g-index

236
ext. papers

18,451
ext. citations

7.4
avg, IF

5.54
L-index

#	Paper	IF	Citations
227	A WC/WO star exploding within an expanding carbon-oxygen-neon nebula.. <i>Nature</i> , 2022 , 601, 201-204	50.4	8
226	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
225	New Modules for the SEDMachine to Remove Contaminations from Cosmic Rays and Non-target Light: byecr and contsep. <i>Publications of the Astronomical Society of the Pacific</i> , 2022 , 134, 024505	5	1
224	Less Than 1% of Core-collapse Supernovae in the Local Universe Occur in Elliptical Galaxies. <i>Astrophysical Journal</i> , 2022 , 927, 10	4.7	1
223	The Type Icn SN 2021csp: Implications for the Origins of the Fastest Supernovae and the Fates of WolfRayet Stars. <i>Astrophysical Journal</i> , 2022 , 927, 180	4.7	4
222	The morphology of the ejecta of SN 1987A at 31 yr from 1150 to 10 000 Å. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 511, 2977-2993	4.3	2
221	Multi-wavelength Observations of AT2019wey: a New Candidate Black Hole Low-mass X-ray Binary. <i>Astrophysical Journal</i> , 2021 , 920, 120	4.7	5
220	A Family Tree of Optical Transients from Narrow-line Seyfert 1 Galaxies. <i>Astrophysical Journal</i> , 2021 , 920, 56	4.7	8
219	Faintest of Them All: ZTF 21aaryiz/SN 2021fcg Discovery of an Extremely Low Luminosity Type Ia Supernova. <i>Astrophysical Journal Letters</i> , 2021 , 921, L6	7.9	0
218	The luminous and rapidly evolving SN 2018bcc. <i>Astronomy and Astrophysics</i> , 2021 , 649, A163	5.1	7
217	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
216	SN 2020cpg: an energetic link between Type IIb and Ib supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 506, 1832-1849	4.3	0
215	SN 2018ijp: the explosion of a stripped-envelope star within a dense H-rich shell?. <i>Astronomy and Astrophysics</i> , 2021 , 650, A174	5.1	2
214	Type Ic supernovae from the (intermediate) Palomar Transient Factory. <i>Astronomy and Astrophysics</i> , 2021 , 651, A81	5.1	5
213	Optical follow-up of the neutron star/black hole mergers S200105ae and S200115j. <i>Nature Astronomy</i> , 2021 , 5, 46-53	12.1	34
212	SN 2017gci: a nearby Type I Superluminous Supernova with a bumpy tail. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 2120-2139	4.3	3
211	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	4.7	62

210	AT 2019avd: a novel addition to the diverse population of nuclear transients. <i>Astronomy and Astrophysics</i> , 2021 , 647, A9	5.1	7
209	Bright, Months-long Stellar Outbursts Announce the Explosion of Interaction-powered Supernovae. <i>Astrophysical Journal</i> , 2021 , 907, 99	4.7	18
208	Is supernova SN 2020faa an iPTF14hls look-alike?. <i>Astronomy and Astrophysics</i> , 2021 , 646, A22	5.1	8
207	A tidal disruption event coincident with a high-energy neutrino. <i>Nature Astronomy</i> , 2021 , 5, 510-518	12.1	41
206	Cataclysmic Variables in the Second Year of the Zwicky Transient Facility. <i>Astronomical Journal</i> , 2021 , 162, 94	4.9	1
205	SNlascore: Deep-learning Classification of Low-resolution Supernova Spectra. <i>Astrophysical Journal Letters</i> , 2021 , 917, L2	7.9	2
204	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	8	16
203	SN 2020bgj: A Type Ibn supernova with a long-lasting peak plateau. <i>Astronomy and Astrophysics</i> , 2021 , 652, A136	5.1	2
202	Fast-transient Searches in Real Time with ZTFreST: Identification of Three Optically Discovered Gamma-Ray Burst Afterglows and New Constraints on the Kilonova Rate. <i>Astrophysical Journal</i> , 2021 , 918, 63	4.7	13
201	The large-scale environment of thermonuclear and core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 510, 366-372	4.3	1
200	Clumps and Rings of Ejecta in SNR 054009.3 as Seen in 3D. <i>Astrophysical Journal</i> , 2021 , 922, 265	4.7	2
199	Near-infrared Supernova Ia Distances: Host Galaxy Extinction and Mass-step Corrections Revisited. <i>Astrophysical Journal</i> , 2021 , 923, 237	4.7	3
198	The tidal disruption event AT 2018hyz II. Double-peaked emission lines and a flat Balmer decrement. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 4119-4133	4.3	15
197	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
196	DES16C3cje: A low-luminosity, long-lived supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 95-110	4.3	5
195	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	4.3	10
194	Characterization of the Nucleus, Morphology, and Activity of Interstellar Comet 2I/Borisov by Optical and Near-infrared GROWTH, Apache Point, IRTF, ZTF, and Keck Observations. <i>Astronomical Journal</i> , 2020 , 160, 26	4.9	18
193	The Carnegie Supernova Project II. <i>Astronomy and Astrophysics</i> , 2020 , 634, A21	5.1	10

192	The long-lived Type II _n SN 2015da: Infrared echoes and strong interaction within an extended massive shell. <i>Astronomy and Astrophysics</i> , 2020 , 635, A39	5.1	17
191	GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star-Black Hole Merger. <i>Astrophysical Journal</i> , 2020 , 890, 131	4.7	51
190	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	4.7	6
189	Early Ultraviolet Observations of Type II _n Supernovae Constrain the Asphericity of Their Circumstellar Material. <i>Astrophysical Journal</i> , 2020 , 899, 51	4.7	4
188	The Spectacular Ultraviolet Flash from the Peculiar Type Ia Supernova 2019yvq. <i>Astrophysical Journal</i> , 2020 , 898, 56	4.7	12
187	SN 2020bvc: A Broad-line Type Ic Supernova with a Double-peaked Optical Light Curve and a Luminous X-Ray and Radio Counterpart. <i>Astrophysical Journal</i> , 2020 , 902, 86	4.7	9
186	SN2019dge: A Helium-rich Ultra-stripped Envelope Supernova. <i>Astrophysical Journal</i> , 2020 , 900, 46	4.7	16
185	Four (Super)luminous Supernovae from the First Months of the ZTF Survey. <i>Astrophysical Journal</i> , 2020 , 901, 61	4.7	12
184	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	4.7	12
183	SN 2018fif: The Explosion of a Large Red Supergiant Discovered in Its Infancy by the Zwicky Transient Facility. <i>Astrophysical Journal</i> , 2020 , 902, 6	4.7	3
182	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	4.7	27
181	A Non-equipartition Shock Wave Traveling in a Dense Circumstellar Environment around SN 2020oi. <i>Astrophysical Journal</i> , 2020 , 903, 132	4.7	8
180	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
179	Constraining the Kilonova Rate with Zwicky Transient Facility Searches Independent of Gravitational Wave and Short Gamma-Ray Burst Triggers. <i>Astrophysical Journal</i> , 2020 , 904, 155	4.7	14
178	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
177	ZTF20aajksq (AT 2020blt): A Fast Optical Transient at $z \approx 2.9$ with No Detected Gamma-Ray Burst Counterpart. <i>Astrophysical Journal</i> , 2020 , 905, 98	4.7	9
176	Helium-rich Superluminous Supernovae from the Zwicky Transient Facility. <i>Astrophysical Journal Letters</i> , 2020 , 902, L8	7.9	6
175	Type II _n supernova light-curve properties measured from an untargeted survey sample. <i>Astronomy and Astrophysics</i> , 2020 , 637, A73	5.1	24

174	Observational constraints on the optical and near-infrared emission from the neutron star/black hole binary merger candidate S190814bv. <i>Astronomy and Astrophysics</i> , 2020 , 643, A113	5.1	39
173	Two stripped envelope supernovae with circumstellar interaction. <i>Astronomy and Astrophysics</i> , 2020 , 643, A79	5.1	9
172	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	4.3	6
171	SN 2018gjj reveals that some SNe Ibn are SNe Iib exploding in dense circumstellar material. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 1450-1467	4.3	5
170	R-band light-curve properties of Type Ia supernovae from the (intermediate) Palomar Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 5045-5076	4.3	13
169	The fast, luminous ultraviolet transient AT2018cow: extreme supernova, or disruption of a star by an intermediate-mass black hole?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 1031-1049	4.3	78
168	Investigating the properties of stripped-envelope supernovae; what are the implications for their progenitors?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 1559-1578	4.3	57
167	Analysis of broad-lined Type Ic supernovae from the (intermediate) Palomar Transient Factory. <i>Astronomy and Astrophysics</i> , 2019 , 621, A71	5.1	34
166	Discovery and follow-up of the unusual nuclear transient OGLE17aaj. <i>Astronomy and Astrophysics</i> , 2019 , 622, L2	5.1	13
165	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. <i>Astrophysical Journal</i> , 2019 , 872, 198	4.7	47
164	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	5.1	23
163	The X-shooter GRB afterglow legacy sample (XS-GRB). <i>Astronomy and Astrophysics</i> , 2019 , 623, A92	5.1	24
162	The Zwicky Transient Facility: Science Objectives. <i>Publications of the Astronomical Society of the Pacific</i> , 2019 , 131, 078001	5	256
161	ZTF18aalrxas: A Type Iib Supernova from a Very Extended Low-mass Progenitor. <i>Astrophysical Journal Letters</i> , 2019 , 878, L5	7.9	17
160	Spitzer Mid-Infrared Detections of Neutron Star Merger GW170817 Suggests Synthesis of the Heaviest Elements. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019 ,	4.3	33
159	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	7.9	15
158	SN2018kzr: A Rapidly Declining Transient from the Destruction of a White Dwarf. <i>Astrophysical Journal Letters</i> , 2019 , 885, L23	7.9	14
157	A New Class of Changing-look LINERs. <i>Astrophysical Journal</i> , 2019 , 883, 31	4.7	37

156	ZTF Early Observations of Type Ia Supernovae. I. Properties of the 2018 Sample. <i>Astrophysical Journal</i> , 2019 , 886, 152	4.7	47
155	On the Origin of SN 2016hil: A Type II Supernova in the Remote Outskirts of an Elliptical Host. <i>Astrophysical Journal</i> , 2019 , 887, 127	4.7	6
154	Evidence for Late-stage Eruptive Mass Loss in the Progenitor to SN2018gep, a Broad-lined Ic Supernova: Pre-explosion Emission and a Rapidly Rising Luminous Transient. <i>Astrophysical Journal</i> , 2019 , 887, 169	4.7	36
153	Luminous red novae: Stellar mergers or giant eruptions?. <i>Astronomy and Astrophysics</i> , 2019 , 630, A75	5.1	39
152	Transient processing and analysis using AMPEL: alert management, photometry, and evaluation of light curves. <i>Astronomy and Astrophysics</i> , 2019 , 631, A147	5.1	27
151	Fully automated integral field spectrograph pipeline for the SEDMachine: pysedm. <i>Astronomy and Astrophysics</i> , 2019 , 627, A115	5.1	52
150	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. <i>Astrophysical Journal Letters</i> , 2019 , 885, L19	7.9	54
149	The Matter Beyond the Ring: The Recent Evolution of SN 1987A Observed by the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019 , 886, 147	4.7	12
148	The Zwicky Transient Facility: System Overview, Performance, and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2019 , 131, 018002	5	472
147	Late-time observations of the extraordinary Type II supernova iPTF14hls. <i>Astronomy and Astrophysics</i> , 2019 , 621, A30	5.1	16
146	iPTF Survey for Cool Transients. <i>Publications of the Astronomical Society of the Pacific</i> , 2018 , 130, 0342025		11
145	iPTF Archival Search for Fast Optical Transients. <i>Astrophysical Journal Letters</i> , 2018 , 854, L13	7.9	14
144	The Early Detection and Follow-up of the Highly Obscured Type II Supernova 2016ija/DLT16am. <i>Astrophysical Journal</i> , 2018 , 853, 62	4.7	47
143	SN 2017dio: A Type-Ic Supernova Exploding in a Hydrogen-rich Circumstellar Medium. <i>Astrophysical Journal Letters</i> , 2018 , 854, L14	7.9	18
142	Type II supernovae in low-luminosity host galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 479, 3232-3253	4.3	23
141	The Carnegie Supernova Project I. <i>Astronomy and Astrophysics</i> , 2018 , 609, A135	5.1	36
140	The lowest-metallicity type II supernova from the highest-mass red supergiant progenitor. <i>Nature Astronomy</i> , 2018 , 2, 574-579	12.1	22
139	Light Curves of Hydrogen-poor Superluminous Supernovae from the Palomar Transient Factory. <i>Astrophysical Journal</i> , 2018 , 860, 100	4.7	71

138	The Carnegie Supernova Project I. <i>Astronomy and Astrophysics</i> , 2018 , 609, A136	5.1	79
137	Oxygen and helium in stripped-envelope supernovae. <i>Astronomy and Astrophysics</i> , 2018 , 618, A37	5.1	17
136	SN 2017ens: The Metamorphosis of a Luminous Broadlined Type Ic Supernova into an SN IIn. <i>Astrophysical Journal Letters</i> , 2018 , 867, L31	7.9	23
135	PTF11mbb: First analog of supernova 2005bf. <i>Astronomy and Astrophysics</i> , 2018 , 609, A106	5.1	15
134	The first direct double neutron star merger detection: Implications for cosmic nucleosynthesis. <i>Astronomy and Astrophysics</i> , 2018 , 615, A132	5.1	88
133	A hot and fast ultra-stripped supernova that likely formed a compact neutron star binary. <i>Science</i> , 2018 , 362, 201-206	33.3	55
132	The 30 Year Search for the Compact Object in SN 1987A. <i>Astrophysical Journal</i> , 2018 , 864, 174	4.7	20
131	The Data Release of the Sloan Digital Sky Survey-II Supernova Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2018 , 130, 064002	5	68
130	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	4.7	36
129	Impact of ejecta morphology and composition on the electromagnetic signatures of neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 3298-3334	4.3	90
128	Type Ibn Supernovae Show Photometric Homogeneity and Spectral Diversity at Maximum Light. <i>Astrophysical Journal</i> , 2017 , 836, 158	4.7	49
127	Confined dense circumstellar material surrounding a regular type II supernova. <i>Nature Physics</i> , 2017 , 13, 510-517	16.2	145
126	Detectability of compact binary merger macronovae. <i>Classical and Quantum Gravity</i> , 2017 , 34, 104001	3.3	102
125	iPTF16geu: A multiply imaged, gravitationally lensed type Ia supernova. <i>Science</i> , 2017 , 356, 291-295	33.3	96
124	The superluminous transient ASASSN-15lh as a tidal disruption event from a Kerr black hole. <i>Nature Astronomy</i> , 2017 , 1,	12.1	110
123	Hydrogen-rich supernovae beyond the neutrino-driven core-collapse paradigm. <i>Nature Astronomy</i> , 2017 , 1, 713-720	12.1	36
122	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
121	Color Me Intrigued: The Discovery of iPTF 16fmm, an SN 2002cx-like Object. <i>Astrophysical Journal</i> , 2017 , 848, 59	4.7	22

120	A kilonova as the electromagnetic counterpart to a gravitational-wave source. <i>Nature</i> , 2017 , 551, 75-79	50.4	420
119	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017 , 358, 1559-1565	33.3	414
118	OGLE-2014-SN-131: A long-rising Type Ibn supernova from a massive progenitor. <i>Astronomy and Astrophysics</i> , 2017 , 602, A93	5.1	17
117	The bumpy light curve of Type IIIn supernova iPTF13z over 3 years. <i>Astronomy and Astrophysics</i> , 2017 , 605, A6	5.1	32
116	Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. <i>Nature</i> , 2017 , 551, 210-213	50.4	88
115	ON THE EARLY-TIME EXCESS EMISSION IN HYDROGEN-POOR SUPERLUMINOUS SUPERNOVAE. <i>Astrophysical Journal</i> , 2017 , 835, 58	4.7	46
114	LONG-DURATION SUPERLUMINOUS SUPERNOVAE AT LATE TIMES. <i>Astrophysical Journal</i> , 2017 , 835, 13	4.7	66
113	COMMON ENVELOPE EJECTION FOR A LUMINOUS RED NOVA IN M101. <i>Astrophysical Journal</i> , 2017 , 834, 107	4.7	59
112	Follow Up of GW170817 and Its Electromagnetic Counterpart by Australian-Led Observing Programmes. <i>Publications of the Astronomical Society of Australia</i> , 2017 , 34,	5.5	99
111	iPTF17cw: An Engine-driven Supernova Candidate Discovered Independent of a Gamma-Ray Trigger. <i>Astrophysical Journal</i> , 2017 , 847, 54	4.7	20
110	iPTF 16asu: A Luminous, Rapidly Evolving, and High-velocity Supernova. <i>Astrophysical Journal</i> , 2017 , 851, 107	4.7	43
109	RADIO OBSERVATIONS OF A SAMPLE OF BROAD-LINE TYPE IC SUPERNOVAE DISCOVERED BY PTF/IPTF: A SEARCH FOR RELATIVISTIC EXPLOSIONS. <i>Astrophysical Journal</i> , 2016 , 830, 42	4.7	34
108	Metallicity from Type II supernovae from the (i)PTF. <i>Astronomy and Astrophysics</i> , 2016 , 587, L7	5.1	14
107	TYPE II SUPERNOVA ENERGETICS AND COMPARISON OF LIGHT CURVES TO SHOCK-COOLING MODELS. <i>Astrophysical Journal</i> , 2016 , 820, 33	4.7	62
106	450 d of Type II SN 2013ej in optical and near-infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 2003-2018	4.3	47
105	THREE-DIMENSIONAL DISTRIBUTION OF EJECTA IN SUPERNOVA 1987A AT 10,000 DAYS. <i>Astrophysical Journal</i> , 2016 , 833, 147	4.7	37
104	FLASH SPECTROSCOPY: EMISSION LINES FROM THE IONIZED CIRCUMSTELLAR MATERIAL AROUND . <i>Astrophysical Journal</i> , 2016 , 818, 3	4.7	114
103	The bolometric light curves and physical parameters of stripped-envelope supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 2973-3002	4.3	89

102	The peculiar Type Ia supernova iPTF14atg: Chandrasekhar-mass explosion or violent merger?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 4428-4439	4.3	42
101	PTF12os and iPTF13bvn. <i>Astronomy and Astrophysics</i> , 2016 , 593, A68	5.1	107
100	SN 2012aa: A transient between Type Ibc core-collapse and superluminous supernovae. <i>Astronomy and Astrophysics</i> , 2016 , 596, A67	5.1	15
99	Long-rising Type II supernovae from Palomar Transient Factory and Caltech Core-Collapse Project. <i>Astronomy and Astrophysics</i> , 2016 , 588, A5	5.1	32
98	iPTF15dtg: a double-peaked Type Ic supernova from a massive progenitor. <i>Astronomy and Astrophysics</i> , 2016 , 592, A89	5.1	40
97	Pan-STARRS and PESSTO search for an optical counterpart to the LIGO gravitational-wave source GW150914. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 462, 4094-4116	4.3	45
96	CONSTRAINTS ON THE ORIGIN OF THE FIRST LIGHT FROM SN 2014J. <i>Astrophysical Journal</i> , 2015 , 799, 106	4.7	49
95	CONSTRAINTS ON EXPLOSIVE SILICON BURNING IN CORE-COLLAPSE SUPERNOVAE FROM MEASURED Ni/Fe RATIOS. <i>Astrophysical Journal</i> , 2015 , 807, 110	4.7	29
94	POLARIMETRY OF THE SUPERLUMINOUS SUPERNOVA LSQ14MO: NO EVIDENCE FOR SIGNIFICANT DEVIATIONS FROM SPHERICAL SYMMETRY. <i>Astrophysical Journal Letters</i> , 2015 , 815, L10	7.9	37
93	A comparative study of Type II-P and II-L supernova rise times as exemplified by the case of LSQ13cuw. <i>Astronomy and Astrophysics</i> , 2015 , 582, A3	5.1	52
92	Metallicity at the explosion sites of interacting transients. <i>Astronomy and Astrophysics</i> , 2015 , 580, A131	5.1	49
91	PESSTO: survey description and products from the first data release by the Public ESO Spectroscopic Survey of Transient Objects. <i>Astronomy and Astrophysics</i> , 2015 , 579, A40	5.1	178
90	Supersolar Ni/Fe production in the Type IIP SN 2012ec. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 448, 2482-2494	4.3	39
89	SN 2012ec: mass of the progenitor from PESSTO follow-up of the photospheric phase. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 448, 2312-2331	4.3	35
88	On the diversity of superluminous supernovae: ejected mass as the dominant factor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 3869-3893	4.3	123
87	Massive stars exploding in a He-rich circumstellar medium IV. Transitional Type Ibn supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 1921-1940	4.3	44
86	Late-time spectral line formation in Type IIb supernovae, with application to SN 1993J, SN 2008ax, and SN 2011dh. <i>Astronomy and Astrophysics</i> , 2015 , 573, A12	5.1	85
85	Supernova spectra below strong circumstellar interaction. <i>Astronomy and Astrophysics</i> , 2015 , 574, A61	5.1	40

84	A strong ultraviolet pulse from a newborn type Ia supernova. <i>Nature</i> , 2015 , 521, 328-31	50.4	127
83	THE DESTRUCTION OF THE CIRCUMSTELLAR RING OF SN 1987A. <i>Astrophysical Journal Letters</i> , 2015 , 806, L19	7.9	39
82	Early-time light curves of Type Ib/c supernovae from the SDSS-II Supernova Survey. <i>Astronomy and Astrophysics</i> , 2015 , 574, A60	5.1	114
81	The Type IIb SN 2011dh: Two years of observations and modelling of the lightcurves. <i>Astronomy and Astrophysics</i> , 2015 , 580, A142	5.1	59
80	A Wolf-Rayet-like progenitor of SN 2013cu from spectral observations of a stellar wind. <i>Nature</i> , 2014 , 509, 471-4	50.4	194
79	Improved cosmological constraints from a joint analysis of the SDSS-II and SNLS supernova samples. <i>Astronomy and Astrophysics</i> , 2014 , 568, A22	5.1	1153
78	Optical and near-infrared observations of SN 2011dh – The first 100 days. <i>Astronomy and Astrophysics</i> , 2014 , 562, A17	5.1	83
77	The rise and fall of the Type Ib supernova iPTF13bvn. <i>Astronomy and Astrophysics</i> , 2014 , 565, A114	5.1	59
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