

Paolo A Mazzali

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236
papers

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248
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20,485
ext. citations

8.1
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L-index

#	Paper	IF	Citations
236	An unusual supernova in the error box of the Γ -ray burst of 25 April 1998. <i>Nature</i> , 1998 , 395, 670-672	50.4	1360
235	A hypernova model for the supernova associated with the Γ -ray burst of 25 April 1998. <i>Nature</i> , 1998 , 395, 672-674	50.4	517
234	Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. <i>Nature</i> , 2017 , 551, 67-70	50.4	444
233	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017 , 358, 1559-1565	33.3	414
232	An optical supernova associated with the X-ray flash XRF 060218. <i>Nature</i> , 2006 , 442, 1011-3	50.4	398
231	Supernova SN 2011fe from an exploding carbon-oxygen white dwarf star. <i>Nature</i> , 2011 , 480, 344-7	50.4	353
230	The Metamorphosis of SN 1998bw. <i>Astrophysical Journal</i> , 2001 , 555, 900-917	4.7	317
229	SN 2003lw and GRB 031203: A Bright Supernova for a Faint Gamma-Ray Burst. <i>Astrophysical Journal</i> , 2004 , 609, L5-L8	4.7	306
228	Detection of circumstellar material in a normal type Ia supernova. <i>Science</i> , 2007 , 317, 924-6	33.3	290
227	The Diversity of Type Ia Supernovae: Evidence for Systematics?. <i>Astrophysical Journal</i> , 2005 , 623, 1011-1016	11.6	284
226	A giant outburst two years before the core-collapse of a massive star. <i>Nature</i> , 2007 , 447, 829-32	50.4	273
225	A common explosion mechanism for type Ia supernovae. <i>Science</i> , 2007 , 315, 825-8	33.3	265
224	A faint type of supernova from a white dwarf with a helium-rich companion. <i>Nature</i> , 2010 , 465, 322-5	50.4	240
223	A neutron-star-driven X-ray flash associated with supernova SN 2006aj. <i>Nature</i> , 2006 , 442, 1018-20	50.4	237
222	The Type I[CLC]c[/CLC] Hypernova SN 2002[CLC]ap[/CLC]. <i>Astrophysical Journal</i> , 2002 , 572, L61-L65	4.7	233
221	Explosive Nucleosynthesis in Aspherical Hypernova Explosions and Late-Time Spectra of SN 1998bw. <i>Astrophysical Journal</i> , 2002 , 565, 405-412	4.7	208
220	The Rates of Hypernovae and Gamma-Ray Bursts: Implications for Their Progenitors. <i>Astrophysical Journal</i> , 2004 , 607, L17-L20	4.7	201

219	A very luminous magnetar-powered supernova associated with an ultra-long γ -ray burst. <i>Nature</i> , 2015 , 523, 189-92	50.4	199
218	An asymmetric explosion as the origin of spectral evolution diversity in type Ia supernovae. <i>Nature</i> , 2010 , 466, 82-5	50.4	180
217	Asphericity in supernova explosions from late-time spectroscopy. <i>Science</i> , 2008 , 319, 1220-3	33.3	179
216	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
215	Bolometric light curves and explosion parameters of 38 stripped-envelope core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 457, 328-350	4.3	172
214	The metamorphosis of supernova SN 2008D/XRF 080109: a link between supernovae and GRBs/hypernovae. <i>Science</i> , 2008 , 321, 1185-8	33.3	170
213	The Peculiar Type Ic Supernova 1997ef: Another Hypernova. <i>Astrophysical Journal</i> , 2000 , 534, 660-669	4.7	158
212	An asymmetric energetic type Ic supernova viewed off-axis, and a link to gamma ray bursts. <i>Science</i> , 2005 , 308, 1284-7	33.3	155
211	High luminosity, slow ejecta and persistent carbon lines: SN 2009dc challenges thermonuclear explosion scenarios?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 412, 2735-2762	4.3	153
210	Discovery of the nearby long, soft GRB 100316D with an associated supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 411, 2792-2803	4.3	152
209	SN 2004aw: confirming diversity of Type Ic supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 371, 1459-1477	4.3	148
208	DISCOVERY, PROGENITOR AND EARLY EVOLUTION OF A STRIPPED ENVELOPE SUPERNOVA iPTF13bvn. <i>Astrophysical Journal Letters</i> , 2013 , 775, L7	7.9	145
207	The Unique Type Ib Supernova 2005bf at Nebular Phases: A Possible Birth Event of a Strongly Magnetized Neutron Star. <i>Astrophysical Journal</i> , 2007 , 666, 1069-1082	4.7	142
206	Abundance stratification in Type Ia supernovae - I. The case of SN 2002bo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 360, 1231-1243	4.3	141
205	A low-energy core-collapse supernova without a hydrogen envelope. <i>Nature</i> , 2009 , 459, 674-7	50.4	140
204	High-Velocity Features: A Ubiquitous Property of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2005 , 623, L37-L40	4.7	140
203	The Nebular Spectra of the Hypernova SN 1998bw and Evidence for Asymmetry. <i>Astrophysical Journal</i> , 2001 , 559, 1047-1053	4.7	140
202	SN 2011dh: DISCOVERY OF A TYPE IIb SUPERNOVA FROM A COMPACT PROGENITOR IN THE NEARBY GALAXY M51. <i>Astrophysical Journal Letters</i> , 2011 , 742, L18	7.9	138

201	A Spectroscopic Analysis of the Energetic Type Ic Hypernova SN 1997ef. <i>Astrophysical Journal</i> , 2000 , 545, 407-419	4.7	138
200	VARIABLE SODIUM ABSORPTION IN A LOW-EXTINCTION TYPE Ia SUPERNOVA,. <i>Astrophysical Journal</i> , 2009 , 702, 1157-1170	4.7	131
199	Identification of strontium in the merger of two neutron stars. <i>Nature</i> , 2019 , 574, 497-500	50.4	130
198	A Three-Dimensional Deflagration Model for Type Ia Supernovae Compared with Observations. <i>Astrophysical Journal</i> , 2007 , 668, 1132-1139	4.7	126
197	Hubble Space Telescope spectra of the Type Ia supernova SN 2011fe: a tail of low-density, high-velocity material with Z. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 439, 1959-1979	4.3	123
196	Nebular emission-line profiles of Type Ib/c supernovae - probing the ejecta asphericity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 397, 677-694	4.3	123
195	A Two-Component Model for the Light Curves of Hypernovae. <i>Astrophysical Journal</i> , 2003 , 593, 931-940	4.7	120
194	How much H and He is hidden in SNe Ib/c? - I. Low-mass objects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 422, 70-88	4.3	119
193	The Type Ic Hypernova SN 2003dh/GRB 030329. <i>Astrophysical Journal</i> , 2003 , 599, L95-L98	4.7	119
192	Massive stars exploding in a He-rich circumstellar medium - I. Type Ibn (SN 2006jc-like) events. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 389, 113-130	4.3	118
191	Anomalous extinction behaviour towards the Type Ia SN 2003cg. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 369, 1880-1900	4.3	114
190	SN 2005cs in M51 - I. The first month of evolution of a subluminescent SN II plateau. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 370, 1752-1762	4.3	112
189	The superluminous transient ASASSN-15lh as a tidal disruption event from a Kerr black hole. <i>Nature Astronomy</i> , 2017 , 1,	12.1	110
188	Models for the Type Ic Hypernova SN 2003lw associated with GRB 031203. <i>Astrophysical Journal</i> , 2006 , 645, 1323-1330	4.7	109
187	SN 2009jf: a slow-evolving stripped-envelope core-collapse supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 416, 3138-3159	4.3	107
186	The underluminous Type Ia supernova 2005bl and the class of objects similar to SN 1991bg?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 385, 75-96	4.3	104
185	FALLBACK SUPERNOVAE: A POSSIBLE ORIGIN OF PECULIAR SUPERNOVAE WITH EXTREMELY LOW EXPLOSION ENERGIES. <i>Astrophysical Journal</i> , 2010 , 719, 1445-1453	4.7	100
184	ESCAPADE and KAIT observations of the transitional Type Ia SN 2004eo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 377, 1531-1552	4.3	99

183	ASWIFTLOOK AT SN 2011fe: THE EARLIEST ULTRAVIOLET OBSERVATIONS OF A TYPE Ia SUPERNOVA. <i>Astrophysical Journal</i> , 2012 , 753, 22	4.7	97
182	The Cow: Discovery of a Luminous, Hot, and Rapidly Evolving Transient. <i>Astrophysical Journal Letters</i> , 2018 , 865, L3	7.9	97
181	The properties of the standard Type Ic supernova 1994I from spectral models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 369, 1939-1948	4.3	95
180	THE HIGHLY ENERGETIC EXPANSION OF SN 2010bh ASSOCIATED WITH GRB 100316D. <i>Astrophysical Journal</i> , 2012 , 753, 67	4.7	94
179	The Connection between Gamma-Ray Bursts and Extremely Metal-poor Stars: Black Hole-forming Supernovae with Relativistic Jets. <i>Astrophysical Journal</i> , 2007 , 657, L77-L80	4.7	94
178	Consistent estimates of ^{56}Ni yields for type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2006 , 460, 793-798	5.1	94
177	Can Differences in the Nickel Abundance in Chandrasekhar-Mass Models Explain the Relation between the Brightness and Decline Rate of Normal Type Ia Supernovae?. <i>Astrophysical Journal</i> , 2001 , 547, 988-994	4.7	94
176	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
175	SN 2009ip Ia PESSTO: no evidence for core collapse yet?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 433, 1312-1337	4.3	89
174	DETECTION OF BROAD H ϵ EMISSION LINES IN THE LATE-TIME SPECTRA OF A HYDROGEN-POOR SUPERLUMINOUS SUPERNOVA. <i>Astrophysical Journal</i> , 2015 , 814, 108	4.7	88
173	Detection of a Light Echo from SN 1998[CLC]bu[CLC]. <i>Astrophysical Journal</i> , 2001 , 549, L215-L218	4.7	88
172	THE HE-RICH CORE-COLLAPSE SUPERNOVA 2007Y: OBSERVATIONS FROM X-RAY TO RADIO WAVELENGTHS. <i>Astrophysical Journal</i> , 2009 , 696, 713-728	4.7	87
171	HELIUM SHELL DETONATIONS ON LOW-MASS WHITE DWARFS AS A POSSIBLE EXPLANATION FOR SN 2005E. <i>Astrophysical Journal</i> , 2011 , 738, 21	4.7	85
170	THE ABSOLUTE MAGNITUDES OF TYPE Ia SUPERNOVAE IN THE ULTRAVIOLET. <i>Astrophysical Journal</i> , 2010 , 721, 1608-1626	4.7	85
169	The Carbon-rich Type Ic SN 2007gr: The Photospheric Phase. <i>Astrophysical Journal</i> , 2008 , 673, L155-L158	4.7	85
168	THE FAST AND FURIOUS DECAY OF THE PECULIAR TYPE Ic SUPERNOVA 2005ek. <i>Astrophysical Journal</i> , 2013 , 774, 58	4.7	84
167	Spectrum formation in superluminous supernovae (Type I). <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 458, 3455-3465	4.3	83
166	An upper limit to the energy of gamma-ray bursts indicates that GRBs/SNe are powered by magnetars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 443, 67-71	4.3	83

165	The Unique Type Ib Supernova 2005bf: A WN Star Explosion Model for Peculiar Light Curves and Spectra. <i>Astrophysical Journal</i> , 2005 , 633, L97-L100	4.7	83
164	The template type Ia supernova 1996X. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 321, 254-268	4.3	83
163	Studying the diversity of Type Ia supernovae in the ultraviolet: comparing models with observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 103-113	4.3	80
162	XRF 100316D/SN 2010bh AND THE NATURE OF GAMMA-RAY BURST SUPERNOVAE. <i>Astrophysical Journal</i> , 2011 , 740, 41	4.7	80
161	ESC observations of SN 2005cf - I. Photometric evolution of a normal Type Ia supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 376, 1301-1316	4.3	80
160	SPECTROPOLARIMETRY OF EXTREMELY LUMINOUS TYPE Ia SUPERNOVA 2009dc: NEARLY SPHERICAL EXPLOSION OF SUPER-CHANDRASEKHAR MASS WHITE DWARF. <i>Astrophysical Journal</i> , 2010 , 714, 1209-1216	4.7	75
159	The Outermost Ejecta of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2008 , 677, 448-460	4.7	75
158	SN 2009bb: A PECULIAR BROAD-LINED TYPE Ic SUPERNOVA,. <i>Astrophysical Journal</i> , 2011 , 728, 14	4.7	74
157	TYPE Ib SUPERNOVA 2008D ASSOCIATED WITH THE LUMINOUS X-RAY TRANSIENT 080109: AN ENERGETIC EXPLOSION OF A MASSIVE HELIUM STAR. <i>Astrophysical Journal</i> , 2009 , 692, 1131-1142	4.7	74
156	Abundance stratification in Type Ia supernovae III. The rapidly declining, spectroscopically normal SN 2004eo. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 386, 1897-1906	4.3	73
155	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	4.7	71
154	A hybrid type Ia supernova with an early flash triggered by helium-shell detonation. <i>Nature</i> , 2017 , 550, 80-83	5.4	70
153	The J -Band Light Curve of SN 2003lw, Associated with GRB 031203. <i>Astrophysical Journal</i> , 2004 , 609, L59-L62	4.7	70
152	A tale of two GRB-SNe at a common redshift of $z=0.54$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 413, 669-685	4.3	69
151	On the Light Curve and Spectrum of SN 2003dh Separated from the Optical Afterglow of GRB 030329. <i>Astrophysical Journal</i> , 2005 , 624, 898-905	4.7	68
150	Effects of the explosion asymmetry and viewing angle on the Type Ia supernova colour and luminosity calibration?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 413, 3075-3094	4.3	66
149	Properties of the ultraviolet flux of Type Ia supernovae: an analysis with synthetic spectra of SN 2001ep and SN 2001eh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 391, 1605-1618	4.3	66
148	The He-rich stripped-envelope core-collapse supernova 2008ax?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 413, 2140-2156	4.3	65

147	ANALYSIS OF THE EARLY-TIME OPTICAL SPECTRA OF SN 2011fe IN M101. <i>Astrophysical Journal Letters</i> , 2012 , 752, L26	7.9	65
146	Subaru Spectroscopy of the Interacting Type Ia Supernova SN 2002ic: Evidence of a Hydrogen-rich, Asymmetric Circumstellar Medium. <i>Astrophysical Journal</i> , 2004 , 605, L37-L40	4.7	65
145	Optical and infrared observations of SN 2002dj: some possible common properties of fast-expanding Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 388, 971-990	4.3	64
144	The Aspherical Properties of the Energetic Type Ic SN 2002ap as Inferred from Its Nebular Spectra. <i>Astrophysical Journal</i> , 2007 , 670, 592-599	4.7	64
143	The fading of supernova 1997D. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 322, 361-368	4.3	64
142	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	7.9	64
141	Nebular spectra and abundance tomography of the Type Ia supernova SN 2011fe: a normal SN Ia with a stable Fe core. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 2631-2643	4.3	63
140	UNBURNED MATERIAL IN THE EJECTA OF TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2012 , 745, 74	4.7	63
139	SPECTRA OF TYPE IA SUPERNOVAE FROM DOUBLE DEGENERATE MERGERS. <i>Astrophysical Journal</i> , 2010 , 725, 296-308	4.7	63
138	The Optical/Near-Infrared Light Curves of SN 2002ap for the First 140 Days after Discovery. <i>Astrophysical Journal</i> , 2003 , 592, 467-474	4.7	63
137	Swift and Chandra Detections of Supernova 2006jc: Evidence for Interaction of the Supernova Shock with a Circumstellar Shell. <i>Astrophysical Journal</i> , 2008 , 674, L85-L88	4.7	62
136	Exploring the spectroscopic diversity of Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 370, 299-318	4.3	62
135	X-Ray Observations of Type Ia Supernovae with Swift : Evidence of Circumstellar Interaction for SN 2005ke. <i>Astrophysical Journal</i> , 2006 , 648, L119-L122	4.7	61
134	Photometric observations of the Type Ia SN 2002er in UGC 10743. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 355, 178-190	4.3	61
133	High-velocity features in the spectra of the Type Ia supernova SN 1999ee: a property of the explosion or evidence of circumstellar interaction?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005 , 357, 200-206	4.3	61
132	MULTI-WAVELENGTH OBSERVATIONS OF SUPERNOVA 2011ei: TIME-DEPENDENT CLASSIFICATION OF TYPE IIb AND Ib SUPERNOVAE AND IMPLICATIONS FOR THEIR PROGENITORS. <i>Astrophysical Journal</i> , 2013 , 767, 71	4.7	60
131	The Type Ic SN 2007gr: a census of the ejecta from late-time optical/infrared spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 408, 87-96	4.3	59
130	ESC observations of SN 2005cf. <i>Astronomy and Astrophysics</i> , 2007 , 471, 527-535	5.1	59

129	A very faint core-collapse supernova in M85. <i>Nature</i> , 2007 , 449, E1-2	50.4	59
128	An Off-Axis Model of GRB 031203. <i>Astrophysical Journal</i> , 2005 , 625, L91-L94	4.7	59
127	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
126	SPECTROSCOPIC OBSERVATIONS OF SN 2012fr: A LUMINOUS, NORMAL TYPE Ia SUPERNOVA WITH EARLY HIGH-VELOCITY FEATURES AND A LATE VELOCITY PLATEAU. <i>Astrophysical Journal</i> , 2013 , 770, 29	4.7	57
125	NEAR-ULTRAVIOLET PROPERTIES OF A LARGE SAMPLE OF TYPE Ia SUPERNOVAE AS OBSERVED WITH THESwiftUVOT. <i>Astrophysical Journal</i> , 2010 , 721, 1627-1655	4.7	56
124	Measuring nickel masses in Type Ia supernovae using cobalt emission in nebular phase spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 3816-3842	4.3	55
123	SN 2006aj Associated with XRF 060218 at Late Phases: Nucleosynthesis Signature of a Neutron Star-driven Explosion. <i>Astrophysical Journal</i> , 2007 , 658, L5-L8	4.7	55
122	The type II _n supernova 1995G: interaction with the circumstellar medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 333, 27-38	4.3	55
121	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
120	Searching for swept-up hydrogen and helium in the late-time spectra of 11 nearby Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 457, 3254-3265	4.3	54
119	NEBULAR PHASE OBSERVATIONS OF THE TYPE Ib SUPERNOVA 2008D/X-RAY TRANSIENT 080109: SIDE-VIEWED BIPOLAR EXPLOSION. <i>Astrophysical Journal</i> , 2009 , 700, 1680-1685	4.7	54
118	The Asymmetric Explosion of Type Ia Supernovae as Seen from Near-Infrared Observations. <i>Astrophysical Journal</i> , 2006 , 652, L101-L104	4.7	54
117	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
116	The delay of shock breakout due to circumstellar material evident in most type II supernovae. <i>Nature Astronomy</i> , 2018 , 2, 808-818	12.1	53
115	Nebular Spectra of SN 1998bw Revisited: Detailed Study by One- and Two-dimensional Models. <i>Astrophysical Journal</i> , 2006 , 640, 854-877	4.7	52
114	Properties of Two Hypernovae Entering the Nebular Phase: SN 1997ef and SN 1997dq. <i>Astrophysical Journal</i> , 2004 , 614, 858-863	4.7	52
113	SN 2003bg: A BROAD-LINED TYPE IIb SUPERNOVA WITH HYDROGEN. <i>Astrophysical Journal</i> , 2009 , 703, 1624-1634	4.7	51
112	The nuclear diversity of Type Ia supernova explosions. <i>New Astronomy Reviews</i> , 2008 , 52, 381-385	7.9	51

111	SUPERNOVA 2003bg: THE FIRST TYPE IIb HYPERNOVA. <i>Astrophysical Journal</i> , 2009 , 703, 1612-1623	4.7	49
110	Light-curve and spectral properties of ultrastripped core-collapse supernovae leading to binary neutron stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 2085-2098	4.3	48
109	The very energetic, broad-lined Type Ic supernova 2010ah (PTF10bzf) in the context of GRB/SNe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 432, 2463-2473	4.3	48
108	Spectroscopy of the type Ia supernova SN 2002er: Days $\bar{1}$ to +215. <i>Astronomy and Astrophysics</i> , 2005 , 436, 1021-1031	5.1	48
107	Formation of the Black Hole in Nova Scorpii. <i>Astrophysical Journal</i> , 2002 , 567, 491-502	4.7	48
106	The evolution of superluminous supernova LSQ14mo and its interacting host galaxy system. <i>Astronomy and Astrophysics</i> , 2017 , 602, A9	5.1	47
105	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
104	SPECTRA AND LIGHT CURVES OF FAILED SUPERNOVAE. <i>Astrophysical Journal</i> , 2009 , 707, 193-207	4.7	47
103	Massive stars exploding in a He-rich circumstellar medium IX. SN 2014av, and characterization of Type Ibn SNe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 853-869	4.3	46
102	Diversity of gamma-ray burst energetics vs. supernova homogeneity: SN 2013cq associated with GRB 130427A. <i>Astronomy and Astrophysics</i> , 2014 , 567, A29	5.1	46
101	SN 2011hs: a fast and faint Type IIb supernova from a supergiant progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 439, 1807-1828	4.3	46
100	Spectral luminosity indicators in Type Ia supernovae. Understanding the (Si ii) line-strength ratio and beyond. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 389, 1087-1096	4.3	46
99	The UV/optical spectra of the Type Ia supernova SN 2010jn: a bright supernova with outer layers rich in iron-group elements. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 429, 2228-2248	4.3	45
98	Super-Chandrasekhar Type Ia Supernovae at nebular epochs?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 432, 3117-3130	4.3	45
97	EVIDENCE FOR TYPE Ia SUPERNOVA DIVERSITY FROM ULTRAVIOLET OBSERVATIONS WITH THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2012 , 749, 126	4.7	45
96	Three-dimensional Models for High-Velocity Features in Type Ia Supernovae. <i>Astrophysical Journal</i> , 2006 , 645, 470-479	4.7	44
95	The $(^{54}\text{Fe}+^{58}\text{Ni})/^{56}\text{Ni}$ ratio as a second parameter for Type Ia supernova properties. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006 , 369, L19-L22	4.3	44
94	The optical SN 2012bz associated with the long GRB 120422A. <i>Astronomy and Astrophysics</i> , 2012 , 547, A82	5.1	43

93	SUBARU AND KECK OBSERVATIONS OF THE PECULIAR TYPE IA SUPERNOVA 2006GZ AT LATE PHASES. <i>Astrophysical Journal</i> , 2009 , 690, 1745-1752	4-7	42
92	Keck and European Southern Observatory Very Large Telescope View of the Symmetry of the Ejecta of the XRF/SN 2006aj. <i>Astrophysical Journal</i> , 2007 , 661, 892-898	4-7	42
91	The Optical/Near-Infrared Light Curves of SN 2002ap for the First 1.5 Years after Discovery. <i>Astrophysical Journal</i> , 2006 , 644, 400-408	4-7	42
90	The Peculiar Type Ib Supernova SN 2005bf: Explosion of a Massive He Star with a Thin Hydrogen Envelope?. <i>Astrophysical Journal</i> , 2005 , 631, L125-L128	4-7	42
89	On the presence of silicon and carbon in the pre-maximum spectrum of the Type Ia SN 1990N. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001 , 321, 341-346	4-3	42
88	Spectral modelling of the Super-Chandrasekhar Type Ia SN 2009dc [Testing a 2 M _⊙ white dwarf explosion model and alternatives. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 427, 2057-2078	4-3	41
87	Early-Phase Spectra of Hypernova SN 2002[CLC]ap[/CLC]. <i>Astrophysical Journal</i> , 2002 , 577, L97-L101	4-7	41
86	A MISSING-LINK IN THE SUPERNOVA GRB CONNECTION: THE CASE OF SN 2012ap. <i>Astrophysical Journal</i> , 2015 , 805, 187	4-7	40
85	Two transitional type Ia supernovae located in the Fornax cluster member NGC 1404: SN 2007on and SN 2011iv. <i>Astronomy and Astrophysics</i> , 2018 , 611, A58	5-1	40
84	SN 2013dx associated with GRB 130702A: a detailed photometric and spectroscopic monitoring and a study of the environment. <i>Astronomy and Astrophysics</i> , 2015 , 577, A116	5-1	40
83	SN 2010MB: DIRECT EVIDENCE FOR A SUPERNOVA INTERACTING WITH A LARGE AMOUNT OF HYDROGEN-FREE CIRCUMSTELLAR MATERIAL. <i>Astrophysical Journal</i> , 2014 , 785, 37	4-7	40
82	Modelling the Type Ic SN 2004aw: a moderately energetic explosion of a massive C+O star without a GRB. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 2498-2508	4-3	37
81	Abundance stratification in Type Ia supernovae IV. The luminous, peculiar SN 1991T. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 711-725	4-3	37
80	Multi-epoch high-spectral-resolution observations of neutral sodium in 14 Type Ia supernovae?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 443, 1849-1860	4-3	37
79	Early Ultraviolet, Optical, and X-Ray Observations of the Type IIP SN 2005cs in M51 with Swift. <i>Astrophysical Journal</i> , 2007 , 659, 1488-1495	4-7	37
78	GRB 081007 AND GRB 090424: THE SURROUNDING MEDIUM, OUTFLOWS, AND SUPERNOVAE. <i>Astrophysical Journal</i> , 2013 , 774, 114	4-7	36
77	Hydrogen and helium in the late phase of supernovae of Type IIb. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 409, 1441-1454	4-3	36
76	The nebular spectrum of the Type Ia supernova 2003hv: evidence for a non-standard event. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 416, 881-892	4-3	35

75	DISCOVERY AND EARLY MULTI-WAVELENGTH MEASUREMENTS OF THE ENERGETIC TYPE IC SUPERNOVA PTF12GZK: A MASSIVE-STAR EXPLOSION IN A DWARF HOST GALAXY. <i>Astrophysical Journal Letters</i> , 2012 , 760, L33	7.9	35
74	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
73	X-Ray, UV, and Optical Observations of Supernova 2006bp withSwift: Detection of Early X-Ray Emission. <i>Astrophysical Journal</i> , 2007 , 664, 435-442	4.7	34
72	The nebular spectra of the Type Ia supernova 1991bg: further evidence of a non-standard explosion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 2926-2935	4.3	33
71	PTF 10bzf (SN 2010ah): A BROAD-LINE Ic SUPERNOVA DISCOVERED BY THE PALOMAR TRANSIENT FACTORY. <i>Astrophysical Journal</i> , 2011 , 741, 76	4.7	33
70	EVIDENCE FOR A COMPACT WOLF-RAYET PROGENITOR FOR THE TYPE Ic SUPERNOVA PTF 10vgv. <i>Astrophysical Journal Letters</i> , 2012 , 747, L5	7.9	33
69	SN 2016coi/ASASSN-16fp: an example of residual helium in a typeIc supernova?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 4162-4192	4.3	33
68	Kiso Supernova Survey (KISS): Survey strategy. <i>Publication of the Astronomical Society of Japan</i> , 2014 , 66, 114	3.2	32
67	Spectral analysis of the 91bg-like Type Ia SN 2005bl: low luminosity, low velocities, incomplete burning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 399, 1238-1254	4.3	31
66	Optical Spectroscopy of the Somewhat Peculiar Type IIb Supernova 2001ig. <i>Publications of the Astronomical Society of the Pacific</i> , 2009 , 121, 689-698	5	31
65	SPECTROPOLARIMETRY OF THE UNIQUE TYPE Ib SUPERNOVA 2005bf: LARGER ASYMMETRY REVEALED BY LATER-PHASE DATA. <i>Astrophysical Journal</i> , 2009 , 699, 1119-1124	4.7	31
64	Upper limit for circumstellar gas around the type Ia SN2000cx. <i>Astronomy and Astrophysics</i> , 2007 , 474, 931-936	5.1	31
63	Type Ia supernova spectral features in the context of their host galaxy properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 446, 354-368	4.3	30
62	A physically motivated classification of stripped-envelope supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 2672-2694	4.3	30
61	THREE-DIMENSIONAL EXPLOSION GEOMETRY OF STRIPPED-ENVELOPE CORE-COLLAPSE SUPERNOVAE. I. SPECTROPOLARIMETRIC OBSERVATIONS. <i>Astrophysical Journal</i> , 2012 , 754, 63	4.7	30
60	Supernova Discoveries 20102011: Statistics and Trends. <i>Publications of the Astronomical Society of the Pacific</i> , 2013 , 125, 749-752	5	29
59	Characteristic velocities of stripped-envelope core-collapse supernova cores?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 402, 161-172	4.3	29
58	On the H α emission of Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008 , 385, 1681-1690	4.3	28

57	Supernova Light-Curve Models for the Bump in the Optical Counterpart of X-Ray Flash 030723. <i>Astrophysical Journal</i> , 2004 , 612, L105-L108	4-7	27
56	Multidimensional Simulations for Early-Phase Spectra of Aspherical Hypernovae: SN 1998bw and Off-Axis Hypernovae. <i>Astrophysical Journal</i> , 2007 , 668, L19-L22	4-7	26
55	On the type Ia supernovae 2007on and 2011iv: evidence for Chandrasekhar-mass explosions at the faint end of the luminosity-width relationship. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 153-174	4-3	25
54	Nebular spectroscopy of the nearby Type IIb supernova 2011dh. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 3614-3625	4-3	25
53	A second glance at SN 2002ap and the M 74 field with XMM-Newton. <i>Astronomy and Astrophysics</i> , 2004 , 413, 107-119	5-1	25
52	Off-Axis Properties of Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2006 , 645, 1305-1314	4-7	24
51	Three-dimensional Explosion Geometry of Stripped-envelope Core-collapse Supernovae. II. Modeling of Polarization. <i>Astrophysical Journal</i> , 2017 , 837, 105	4-7	23
50	ULTRAVIOLET SPECTROSCOPY OF TYPE IIB SUPERNOVAE: DIVERSITY AND THE IMPACT OF CIRCUMSTELLAR MATERIAL. <i>Astrophysical Journal</i> , 2015 , 803, 40	4-7	22
49	OPTICAL AND ULTRAVIOLET OBSERVATIONS OF A LOW-VELOCITY TYPE II PLATEAU SUPERNOVA 2013am IN M65. <i>Astrophysical Journal</i> , 2014 , 797, 5	4-7	22
48	GALEX Spectroscopy of SN 2005ay Suggests Ultraviolet Spectral Uniformity among Type II-P Supernovae. <i>Astrophysical Journal</i> , 2008 , 685, L117-L120	4-7	22
47	GRB 161219B/SN 2016jca: a powerful stellar collapse. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 5824-5839	4-3	21
46	SODIUM ABSORPTION SYSTEMS TOWARD SN Ia 2014J ORIGINATE ON INTERSTELLAR SCALES. <i>Astrophysical Journal</i> , 2016 , 816, 57	4-7	20
45	Relativistic Jets in Core-collapse Supernovae. <i>Astrophysical Journal Letters</i> , 2019 , 871, L25	7-9	19
44	Optical follow-up observations of PTF10qts, a luminous broad-lined Type Ic supernova found by the Palomar Transient Factory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 442, 2768-2779	4-3	19
43	INTERACTION BETWEEN THE BROAD-LINED TYPE Ic SUPERNOVA 2012ap AND CARRIERS OF DIFFUSE INTERSTELLAR BANDS. <i>Astrophysical Journal Letters</i> , 2014 , 782, L5	7-9	19
42	SN 2017dio: A Type-Ic Supernova Exploding in a Hydrogen-rich Circumstellar Medium. <i>Astrophysical Journal Letters</i> , 2018 , 854, L14	7-9	18
41	nero1a post-maximum supernova radiation transport code. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 418, 1517-1525	4-3	17
40	Possible signature of hypernova nucleosynthesis in a beryllium-rich halo dwarf. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008 , 385, L93-L97	4-3	16

39	Hypernovae and Gamma-Ray Bursts. <i>Astrophysics and Space Science</i> , 2005 , 298, 81-86	1.6	16
38	Exploring the spectroscopic diversity of Type Ia supernovae with dracula: a machine learning approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 2044-2059	4.3	15
37	A LUMINOUS PECULIAR TYPE IA SUPERNOVA SN 2011HR: MORE LIKE SN 1991T OR SN 2007if?. <i>Astrophysical Journal</i> , 2016 , 817, 114	4.7	15
36	Metallicity from Type II supernovae from the (i)PTF. <i>Astronomy and Astrophysics</i> , 2016 , 587, L7	5.1	14
35	Oxygen recombination in the nebular phase of supernovae 1998bw and 2002ap. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , 408, 947-960	4.3	14
34	A metric space for Type Ia supernova spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 447, 1247-1266	4.3	13
33	Liverpool Telescope follow-up of candidate electromagnetic counterparts during the first run of Advanced LIGO. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 462, 3528-3536	4.3	13
32	DISCOVERY OF DRAMATIC OPTICAL VARIABILITY IN SDSS J1100+4421: A PECULIAR RADIO-LOUD NARROW-LINE SEYFERT 1 GALAXY?. <i>Astrophysical Journal Letters</i> , 2014 , 793, L26	7.9	13
31	Breaking the colour-reddening degeneracy in Type Ia supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 460, 373-382	4.3	10
30	Type Ic supernova of a 22M \odot progenitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 4369-4385	4.3	9
29	Liverpool telescope 2: a new robotic facility for rapid transient follow-up. <i>Experimental Astronomy</i> , 2015 , 39, 119-165	1.3	8
28	Extracting high-level information from gamma-ray burst supernova spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 5956-5965	4.3	8
27	Abundance stratification in Type Ia supernovae - III. The normal SN 2003du. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010 , no-no	4.3	8
26	Nucleosynthesis in hypernovae and extremely metal-poor stars. <i>Nuclear Physics A</i> , 2003 , 718, 277-286	1.3	8
25	A spectroscopic analysis of B stars in the SMC cluster NGC 330. <i>Space Science Reviews</i> , 1994 , 66, 169-172	7.5	8
24	The rise and fall of an extraordinary Ca-rich transient. <i>Astronomy and Astrophysics</i> , 2020 , 635, A186	5.1	7
23	The nature of PISN candidates: clues from nebular spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 3451-3462	4.3	6
22	Late-phase Spectropolarimetric Observations of Superluminous Supernova SN 2017egm to Probe the Geometry of the Inner Ejecta. <i>Astrophysical Journal</i> , 2020 , 894, 154	4.7	5

21	iPTF14hls as a variable hyper-wind from a very massive star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 ,	4-3	5
20	Optical photometry and spectroscopy of the low-luminosity, broad-lined Ic supernova iPTF15dld. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 1848-1856	4-3	4
19	The formation of type Ia supernovae from carbon-oxygen-silicon white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 1445-1460	4-3	4
18	Observations and spectral modelling of the narrow-lined Type Ic SN 2017ein. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 3829-3842	4-3	3
17	Hydrogen-Poor Core-Collapse Supernovae 2017 , 277-292		2
16	Exploring the spectroscopic diversity of type Ia supernovae with Deep Learning and Unsupervised Clustering. <i>Proceedings of the International Astronomical Union</i> , 2016 , 12, 247-252	0-1	1
15	The ESO key programme on supernovae: a systematic approach to supernova studies. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1993 , 19, S27-S38	2-9	1
14	Carnegie Supernova Project-II: Near-infrared Spectroscopy of Stripped-envelope Core-collapse Supernovae*. <i>Astrophysical Journal</i> , 2022 , 925, 175	4-7	1
13	How much H and He is hidden in SNe Ib/c? III. Intermediate-mass objects: a 22 M \odot progenitor case study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 730-747	4-3	1
12	Modelling of SN 2013dx associated with the low-redshift GRB130702A points to diversity in GRB/SN properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 4106-4119	4-3	1
11	A very low central oxygen mass in the peculiar type Ia SN 2010lp: further diversity at the low-luminosity end of SNe Ia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 511, 5560-5569	4-3	1
10	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
9	Hydrogen-Poor Core-Collapse Supernovae 2016 , 1-16		0
8	H and He in stripped-envelope SNe I: how much can be hidden?. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 122-125	0-1	
7	Supernovae and Gamma-ray Bursts. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 75-82	0-1	
6	Spectropolarimetry of Type Ibc Supernovae. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 138-141	0-1	
5	Anisotropies in Core Collapse Supernovae. <i>Research in Astronomy and Astrophysics</i> , 2006 , 6, 335-341		
4	Exploring the global properties of Type Ia supernovae. <i>Proceedings of the International Astronomical Union</i> , 2006 , 2, 312-312	0-1	

- 3 Properties of SN 2003dh Associated with GRB 030329. *Progress of Theoretical Physics Supplement*, **2004**, 155, 433-434
- 2 SN 1998bw and Other Hyperenergetic Type Ic Supernovae. *International Astronomical Union Colloquium*, **2005**, 192, 391-401
- 1 A Tale of Two Type Ia Supernovae: The Fast-declining Siblings SNe 2015bo and 1997cn. *Astrophysical Journal*, **2022**, 928, 103 4-7