

List of Publications by Citations

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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.

161 papers	12,235 citations	62 h-index	108 g-index
167 ext. papers	13,657 ext. citations	9.5 avg, IF	6.84 L-index

#	Paper	IF	Citations
161	Short-hard gamma-ray bursts. <i>Physics Reports</i> , 2007 , 442, 166-236	27.7	626
160	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. <i>Science</i> , 2017 , 358, 1559-1565	33.3	414
159	The afterglow of GRB 050709 and the nature of the short-hard gamma-ray bursts. <i>Nature</i> , 2005 , 437, 845-50	50.4	392
158	Hydrogen-poor superluminous stellar explosions. <i>Nature</i> , 2011 , 474, 487-9	50.4	378
157	Relativistic ejecta from X-ray flash XRF 060218 and the rate of cosmic explosions. <i>Nature</i> , 2006 , 442, 1014-7	50.4	376
156	A new gamma-ray burst classification scheme from GRB 060614. <i>Nature</i> , 2006 , 444, 1044-6	50.4	353
155	An extremely luminous X-ray outburst at the birth of a supernova. <i>Nature</i> , 2008 , 453, 469-74	50.4	348
154	A radio counterpart to a neutron star merger. <i>Science</i> , 2017 , 358, 1579-1583	33.3	302
153	and observations of GW170817: Detection of a blue kilonova. <i>Science</i> , 2017 , 358, 1565-1570	33.3	286
152	Birth of a relativistic outflow in the unusual Γ -ray transient Swift J164449.3+573451. <i>Nature</i> , 2011 , 476, 425-8	50.4	275
151	Detectable radio flares following gravitational waves from mergers of binary neutron stars. <i>Nature</i> , 2011 , 478, 82-4	50.4	272
150	Superluminal motion of a relativistic jet in the neutron-star merger GW170817. <i>Nature</i> , 2018 , 561, 355-359	50.4	251
149	A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. <i>Nature</i> , 2018 , 554, 207-210	50.4	224
148	The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. <i>Astrophysical Journal</i> , 2006 , 650, 261-271	4.7	218
147	EARLY SUPERNOVAE LIGHT CURVES FOLLOWING THE SHOCK BREAKOUT. <i>Astrophysical Journal</i> , 2010 , 725, 904-921	4.7	216
146	THE AFTERGLOWS OF SWIFT-ERA GAMMA-RAY BURSTS. I. COMPARING PRE-SWIFT AND SWIFT-ERA LONG/SOFT (TYPE II) GRB OPTICAL AFTERGLOWS. <i>Astrophysical Journal</i> , 2010 , 720, 1513-1558	4.7	211
145	THE PROPAGATION OF RELATIVISTIC JETS IN EXTERNAL MEDIA. <i>Astrophysical Journal</i> , 2011 , 740, 100	4.7	199

144	The electromagnetic signals of compact binary mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 2121-2136	4.3	195
143	Late-Time Radio Observations of 68 Type Ibc Supernovae: Strong Constraints on Off-Axis Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2006 , 638, 930-937	4.7	169
142	An outburst from a massive star 40 days before a supernova explosion. <i>Nature</i> , 2013 , 494, 65-7	50.4	155
141	RELATIVISTIC SHOCK BREAKOUTS: A VARIETY OF GAMMA-RAY FLARES: FROM LOW-LUMINOSITY GAMMA-RAY BURSTS TO TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2012 , 747, 88	4.7	151
140	THE AFTERGLOWS OF SWIFT-ERA GAMMA-RAY BURSTS. II. TYPE I GRB VERSUS TYPE II GRB OPTICAL AFTERGLOWS. <i>Astrophysical Journal</i> , 2011 , 734, 96	4.7	149
139	The multimessenger picture of compact object encounters: binary mergers versus dynamical collisions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 430, 2585-2604	4.3	146
138	SHORT VERSUS LONG AND COLLAPSARS VERSUS NON-COLLAPSARS: A QUANTITATIVE CLASSIFICATION OF GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2013 , 764, 179	4.7	133
137	A New Population of High-Redshift Short-Duration Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2007 , 664, 1000-1010	4.7	133
136	The Local Rate and the Progenitor Lifetimes of Short-Hard Gamma-Ray Bursts: Synthesis and Predictions for the Laser Interferometer Gravitational-Wave Observatory. <i>Astrophysical Journal</i> , 2006 , 650, 281-290	4.7	124
135	WHAT CAN WE LEARN FROM THE RISING LIGHT CURVES OF RADIOACTIVELY POWERED SUPERNOVAE?. <i>Astrophysical Journal</i> , 2013 , 769, 67	4.7	121
134	A Hubble constant measurement from superluminal motion of the jet in GW170817. <i>Nature Astronomy</i> , 2019 , 3, 940-944	12.1	118
133	Outliers to the peak energy-isotropic energy relation in gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2005 , 360, L73-L76	4.3	118
132	The cocoon emission: An electromagnetic counterpart to gravitational waves from neutron star mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 576-584	4.3	116
131	KLEIN-KRISHNA EFFECTS ON OPTICALLY THIN SYNCHROTRON AND SYNCHROTRON SELF-COMPTON SPECTRUM. <i>Astrophysical Journal</i> , 2009 , 703, 675-691	4.7	114
130	Detection of a radio counterpart to the 27 December 2004 giant flare from SGR 1806-20. <i>Nature</i> , 2005 , 434, 1112-5	50.4	113
129	ARE LOW-LUMINOSITY GAMMA-RAY BURSTS GENERATED BY RELATIVISTIC JETS?. <i>Astrophysical Journal Letters</i> , 2011 , 739, L55	7.9	108
128	Photometric and spectroscopic properties of Type II-P supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 442, 844-861	4.3	101
127	THE OBSERVABLE SIGNATURES OF GRB COCOONS. <i>Astrophysical Journal</i> , 2017 , 834, 28	4.7	100

126	THE COLLIMATION AND ENERGETICS OF THE BRIGHTEST SWIFT GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2010 , 711, 641-654	4.7	100
125	Astrophysics: refreshed shocks from a gamma-ray burst. <i>Nature</i> , 2003 , 426, 138-9	50.4	94
124	SN 2010jl: OPTICAL TO HARD X-RAY OBSERVATIONS REVEAL AN EXPLOSION EMBEDDED IN A TEN SOLAR MASS COCOON. <i>Astrophysical Journal</i> , 2014 , 781, 42	4.7	91
123	Radio and Optical Follow-up Observations of a Uniform Radio Transient Search: Implications for Gamma-Ray Bursts and Supernovae. <i>Astrophysical Journal</i> , 2006 , 639, 331-339	4.7	89
122	Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. <i>Nature</i> , 2017 , 551, 210-213	50.4	88
121	Afterglows, Redshifts, and Properties of Swift Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2005 , 634, 501-508	4.7	88
120	Variability in GRB afterglows and GRB 021004. <i>New Astronomy</i> , 2003 , 8, 495-505	1.8	87
119	A UNIFIED PICTURE FOR LOW-LUMINOSITY AND LONG GAMMA-RAY BURSTS BASED ON THE EXTENDED PROGENITOR OF GRB 060218/SN 2006AJ. <i>Astrophysical Journal</i> , 2015 , 807, 172	4.7	86
118	GRB 060505: A Possible Short-Duration Gamma-Ray Burst in a Star-forming Region at a Redshift of 0.09. <i>Astrophysical Journal</i> , 2007 , 662, 1129-1135	4.7	86
117	A Strong Jet Signature in the Late-time Light Curve of GW170817. <i>Astrophysical Journal Letters</i> , 2018 , 868, L11	7.9	85
116	Inhomogeneity in cosmic ray sources as the origin of the electron spectrum and the PAMELA anomaly. <i>Physical Review Letters</i> , 2009 , 103, 111302	7.4	84
115	Early afterglow emission from a reverse shock as a diagnostic tool for gamma-ray burst outflows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 353, 647-653	4.3	83
114	The Detectability of Orphan Afterglows. <i>Astrophysical Journal</i> , 2002 , 579, 699-705	4.7	83
113	SUPERNOVAE WITH TWO PEAKS IN THE OPTICAL LIGHT CURVE AND THE SIGNATURE OF PROGENITORS WITH LOW-MASS EXTENDED ENVELOPES. <i>Astrophysical Journal</i> , 2014 , 788, 193	4.7	82
112	Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. <i>Astrophysical Journal</i> , 2006 , 652, 490-506	4.7	81
111	PANCHROMATIC OBSERVATIONS OF SN 2011dh POINT TO A COMPACT PROGENITOR STAR. <i>Astrophysical Journal</i> , 2012 , 752, 78	4.7	79
110	Smooth light curves from a bumpy ride: relativistic blast wave encounters a density jump. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007 , 380, 1744-1760	4.3	79
109	AN OBSERVATIONAL IMPRINT OF THE COLLAPSAR MODEL OF LONG GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2012 , 749, 110	4.7	76

108	A cocoon shock breakout as the origin of the Γ -ray emission in GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4.3	76
107	ON THE EXTERNAL SHOCK SYNCHROTRON MODEL FOR GAMMA-RAY BURSTS Γ -GeV EMISSION. <i>Astrophysical Journal Letters</i> , 2010 , 718, L63-L67	7.9	72
106	OPTICAL TO X-RAY SUPERNOVA LIGHT CURVES FOLLOWING SHOCK BREAKOUT THROUGH A THICK WIND. <i>Astrophysical Journal</i> , 2012 , 759, 108	4.7	70
105	A REVISED VIEW OF THE TRANSIENT RADIO SKY. <i>Astrophysical Journal</i> , 2012 , 747, 70	4.7	69
104	Opening angles, Lorentz factors and confinement of X-ray binary jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006 , 367, 1432-1440	4.3	67
103	CONSTRAINTS ON SHALLOW ^{56}Ni FROM THE EARLY LIGHT CURVES OF TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2014 , 784, 85	4.7	66
102	Synchrotron Radiation from the Fast Tail of Dynamical Ejecta of Neutron Star Mergers. <i>Astrophysical Journal</i> , 2018 , 867, 95	4.7	64
101	Time-scales in long gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 331, 40-44.	4.3	63
100	GAMMA-RAY BURST LIGHT CURVES IN THE RELATIVISTIC TURBULENCE AND RELATIVISTIC SUBJECT MODELS. <i>Astrophysical Journal</i> , 2009 , 695, L10-L14	4.7	62
99	The Γ -rays that accompanied GW170817 and the observational signature of a magnetic jet breaking out of NS merger ejecta. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 2971-2977	4.3	60
98	SCIENCE WITH A WIDE-FIELD UV TRANSIENT EXPLORER. <i>Astronomical Journal</i> , 2014 , 147, 79	4.9	59
97	Temporal properties of short gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002 , 330, 920-926	4.3	59
96	From Γ to Radio: The Electromagnetic Counterpart of GW170817. <i>Astrophysical Journal</i> , 2018 , 867, 18	4.7	56
95	An Energetic Afterglow from a Distant Stellar Explosion. <i>Astrophysical Journal</i> , 2006 , 646, L99-L102	4.7	55
94	Implications of the Γ -ray polarization of GRB 021206. <i>Journal of Cosmology and Astroparticle Physics</i> , 2003 , 2003, 005-005	6.4	55
93	Pure and Loaded Fireballs in Soft Gamma-Ray Repeater Giant Flares. <i>Astrophysical Journal</i> , 2005 , 635, 516-521	4.7	55
92	RADIO AND X-RAY OBSERVATIONS OF THE TYPE Ic SN 2007gr REVEAL AN ORDINARY, NON-RELATIVISTIC EXPLOSION. <i>Astrophysical Journal</i> , 2010 , 725, 922-930	4.7	54
91	The Distances of Short-Hard Gamma-Ray Bursts and the Soft Gamma-Ray Repeater Connection. <i>Astrophysical Journal</i> , 2006 , 640, 849-853	4.7	53

90	Self-segregation versus clustering in the evolutionary minority game. <i>Physical Review Letters</i> , 2002 , 88, 238702	7.4	53
89	Implications of the radio and X-ray emission that followed GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 407-415	4.3	52
88	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
87	RADIO COUNTERPARTS OF COMPACT BINARY MERGERS DETECTABLE IN GRAVITATIONAL WAVES: A SIMULATION FOR AN OPTIMIZED SURVEY. <i>Astrophysical Journal</i> , 2016 , 831, 190	4.7	51
86	A Spectacular Radio Flare from XRF 050416a at 40 Days and Implications for the Nature of X-Ray Flashes. <i>Astrophysical Journal</i> , 2007 , 661, 982-994	4.7	50
85	The Cluster-Merger Shock in 1E 0657-56: Faster than a Speeding Bullet?. <i>Astrophysical Journal</i> , 2007 , 661, L131-L134	4.7	48
84	Gamma-Ray Burst Light Curves: Another Clue on the Inner Engine. <i>Astrophysical Journal</i> , 2002 , 572, L139-L142	4.7	45
83	TESTING THE MAGNETAR MODEL VIA LATE-TIME RADIO OBSERVATIONS OF TWO MACRONOVA CANDIDATES. <i>Astrophysical Journal Letters</i> , 2016 , 819, L22	7.9	43
82	The Cosmic-Ray Precursor of Relativistic Collisionless Shocks: A Missing Link in Gamma-Ray Burst Afterglows. <i>Astrophysical Journal</i> , 2006 , 651, 979-984	4.7	43
81	The electromagnetic counterparts of compact binary mergers. <i>Physics Reports</i> , 2020 , 886, 1-84	27.7	41
80	Numerically calibrated model for propagation of a relativistic unmagnetized jet in dense media. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 2128-2140	4.3	40
79	Weibel Filament Decay and Thermalization in Collisionless Shocks and Gamma-Ray Burst Afterglows. <i>Astrophysical Journal</i> , 2006 , 641, 978-983	4.7	40
78	Modeling Fluctuations in Gamma-Ray Burst Afterglow Light Curves. <i>Astrophysical Journal</i> , 2003 , 598, 400-410	4.7	40
77	X-RAY-POWERED MACRONOVAE. <i>Astrophysical Journal</i> , 2016 , 818, 104	4.7	39
76	Observational constraints on the structure of gamma-ray burst jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 5430-5440	4.3	38
75	Radioactive Heating Rate of r-process Elements and Macronova Light Curve. <i>Astrophysical Journal</i> , 2020 , 891, 152	4.7	34
74	Polarization and Light-Curve Variability: The "Patchy-Shell" Model. <i>Astrophysical Journal</i> , 2004 , 602, L97-L100	4.7	34
73	The structure of hydrodynamic gamma-ray burst jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 3511-3526	4.3	33

72	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
71	The Short-Hard GRB 051103: Observations and Implications for Its Nature. <i>Astrophysical Journal</i> , 2006 , 652, 507-511	4.7	33
70	Steady State Electrostatic Layers from Weibel Instability in Relativistic Collisionless Shocks. <i>Astrophysical Journal</i> , 2006 , 637, 765-773	4.7	33
69	The apparent size of gamma-ray burst afterglows as a test of the fireball model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004 , 353, L35-L40	4.3	33
68	SN 2008D: A WOLF-RAYET EXPLOSION THROUGH A THICK WIND. <i>Astrophysical Journal Letters</i> , 2014 , 788, L14	7.9	32
67	GRB 070201: A Possible Soft Gamma-Ray Repeater in M31. <i>Astrophysical Journal</i> , 2008 , 681, 1464-1469	4.7	32
66	On-axis orphan afterglows. <i>New Astronomy</i> , 2003 , 8, 141-153	1.8	31
65	THE IMPORTANCE OF ^{56}Ni IN SHAPING THE LIGHT CURVES OF TYPE II SUPERNOVAE. <i>Astrophysical Journal</i> , 2016 , 823, 127	4.7	30
64	Constraints on the emitting region of the gamma-rays observed in GW170817. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 1247-1255	4.3	29
63	RADIUS CONSTRAINTS AND MINIMAL EQUIPARTITION ENERGY OF RELATIVISTICALLY MOVING SYNCHROTRON SOURCES. <i>Astrophysical Journal</i> , 2013 , 772, 78	4.7	29
62	The afterglow of a relativistic shock breakout and low-luminosity GRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 448, 417-428	4.3	27
61	THE DETECTION RATE OF EARLY UV EMISSION FROM SUPERNOVAE: A DEDICATED GALEX/PTF SURVEY AND CALIBRATED THEORETICAL ESTIMATES. <i>Astrophysical Journal</i> , 2016 , 820, 57	4.7	26
60	RADIO OBSERVATIONS REVEAL A SMOOTH CIRCUMSTELLAR ENVIRONMENT AROUND THE EXTRAORDINARY TYPE Ib SUPERNOVA 2012au. <i>Astrophysical Journal</i> , 2014 , 797, 2	4.7	26
59	GRB 070610: A Curious Galactic Transient. <i>Astrophysical Journal</i> , 2008 , 678, 1127-1135	4.7	26
58	The nature of ULX source M101 X-1: optically thick outflow from a stellar mass black hole. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015 , 447, L60-L64	4.3	24
57	Limits on the GeV emission from gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 416, 3089-3097	4.3	24
56	GRB 990123 Revisited: Further Evidence of a Reverse Shock. <i>Astrophysical Journal</i> , 2005 , 619, L147-L150	4.7	24
55	High efficiency photospheric emission entailed by formation of a collimation shock in gamma-ray bursts. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 1416-1426	4.3	23

54	Testing the Predictions of the Universal Structured Gamma-Ray Burst Jet Model. <i>Astrophysical Journal</i> , 2004 , 606, L37-L40	4.7	23
53	GeV Emission from Prompt and Afterglow Phases of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2008 , 689, 1150-1160	4.7	22
52	The structure of weakly magnetized Γ-ray burst jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 3320-3333	4.3	22
51	Detectability of neutron star merger afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 2405-2411	4.3	21
50	ILLUMINATING THE DARKEST GAMMA-RAY BURSTS WITH RADIO OBSERVATIONS. <i>Astrophysical Journal</i> , 2013 , 767, 161	4.7	21
49	TWO-STREAM-LIKE INSTABILITY IN DILUTE HOT RELATIVISTIC BEAMS AND ASTROPHYSICAL RELATIVISTIC SHOCKS. <i>Astrophysical Journal</i> , 2011 , 738, 93	4.7	21
48	BEAMING OF PARTICLES AND SYNCHROTRON RADIATION IN RELATIVISTIC MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2016 , 826, 221	4.7	21
47	Is the Macronova in GW170817 Powered by the Central Engine?. <i>Astrophysical Journal</i> , 2018 , 861, 55	4.7	21
46	SPECTRUM AND LIGHT CURVE OF A SUPERNOVA SHOCK BREAKOUT THROUGH A THICK WOLF-RAYET WIND. <i>Astrophysical Journal</i> , 2014 , 788, 113	4.7	20
45	Relativistic Jets in Core-collapse Supernovae. <i>Astrophysical Journal Letters</i> , 2019 , 871, L25	7.9	19
44	RECOVERING THE OBSERVED B/C RATIO IN A DYNAMIC SPIRAL-ARMED COSMIC RAY MODEL. <i>Astrophysical Journal</i> , 2014 , 782, 34	4.7	19
43	Generalized compactness limit from an arbitrary viewing angle. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 1563-1573	4.3	18
42	Shock Vorticity Generation from Accelerated Ion Streaming in the Precursor of Ultrarelativistic Gamma-Ray Burst External Shocks. <i>Astrophysical Journal</i> , 2008 , 688, 462-469	4.7	18
41	Temporal oscillations and phase transitions in the evolutionary minority game. <i>Physical Review E</i> , 2003 , 67, 016109	2.4	17
40	Supernova PTF 12glz: A Possible Shock Breakout Driven through an Aspherical Wind. <i>Astrophysical Journal</i> , 2019 , 872, 141	4.7	15
39	Linear and circular polarization in ultra-relativistic synchrotron sources – Implications to GRB afterglows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 1594-1606	4.3	15
38	SGR 180620 distance and dust properties in molecular clouds by analysis of flare X-ray echoes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 415, 2485-2494	4.3	15
37	New Imaging and Spectroscopy of the Locations of Several Short-Hard Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2008 , 686, 408-416	4.7	15

36	ON PARTICLE ACCELERATION RATE IN GAMMA-RAY BURST AFTERGLOWS. <i>Astrophysical Journal</i> , 2012 , 749, 80	4.7	14
35	Intermittent hydrodynamic jets in collapsars do not produce GRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 570-577	4.3	13
34	Physics of radiation mediated shocks and its applications to GRBs, supernovae, and neutron star mergers. <i>Physics Reports</i> , 2020 , 866, 1-46	27.7	13
33	The evolution of temperature and bolometric luminosity in Type II supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 513-537	4.3	13
32	The role of radioactive nickel in shaping the plateau phase of TypeII supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 483, 1211-1223	4.3	13
31	The dynamics of radiation-driven, optically thick winds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 171-177	4.3	12
30	Some theoretical implications of short-hard gamma-ray burst observations. <i>Advances in Space Research</i> , 2007 , 40, 1224-1228	2.4	10
29	The spectrum of a fast shock breakout from a stellar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 3502-3509	4.3	9
28	Physics of the saturation of particle acceleration in relativistic magnetic reconnection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 3902-3912	4.3	9
27	The long, the short and the weak: the origin of gamma-ray bursts. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120273	3	9
26	Strategy updating rules and strategy distributions in dynamical multiagent systems. <i>Physical Review E</i> , 2003 , 68, 026115	2.4	9
25	THE B/C AND SUB-IRON/IRON COSMIC RAY RATIOS—FURTHER EVIDENCE IN FAVOR OF THE SPIRAL-ARM DIFFUSION MODEL. <i>Astrophysical Journal</i> , 2016 , 826, 47	4.7	9
24	The propagation of choked jet outflows in power-law external media. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 2844-2872	4.3	8
23	Shock breakouts from red supergiants: analytical and numerical predictions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 3927-3936	4.3	8
22	Afterglow Constraints on the Viewing Angle of Binary Neutron Star Mergers and Determination of the Hubble Constant. <i>Astrophysical Journal</i> , 2021 , 909, 114	4.7	8
21	THE EFFECT OF COOLING ON PARTICLE TRAJECTORIES AND ACCELERATION IN RELATIVISTIC MAGNETIC RECONNECTION. <i>Astrophysical Journal</i> , 2016 , 833, 155	4.7	8
20	Relativistic shock breakout from a stellar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 5453-5463	4.3	7
19	A transient radio source consistent with a merger-triggered core collapse supernova. <i>Science</i> , 2021 , 373, 1125-1129	33.3	7

18	Numerical simulations of AGN wind feedback on black hole accretion: probing down to scales within the sphere of influence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 4642-4653	4.3	5
17	DETECTABILITY OF OORT CLOUD OBJECTS USING KEPLER. <i>Astrophysical Journal Letters</i> , 2010 , 711, L7-L10	4.1	5
16	Cluster Merger Shock Constraints on Particle Acceleration and Nonthermal Pressure in the Intracluster Medium. <i>Astrophysical Journal</i> , 2008 , 675, 126-135	4.7	5
15	Monte Carlo simulations of fast Newtonian and mildly relativistic shock breakout from a stellar wind. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 4961-4971	4.3	5
14	Recombination Effects on Supernova Light Curves. <i>Astrophysical Journal</i> , 2019 , 879, 20	4.7	5
13	Passage through resonance and autoresonance in $x(2n)$ -type potentials. <i>Physical Review E</i> , 1999 , 60, 5472-5485	2.3	4
12	The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. <i>Astrophysical Journal</i> , 2021 , 922, 154	4.7	4
11	Intermittent mildly magnetized jets as the source of GRBs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 3947-3955	4.3	4
10	Evolutionary minority game: the roles of response time and mutation threshold. <i>Physical Review E</i> , 2004 , 69, 066122	2.4	3
9	Limits on the growth rate of supermassive black holes at early cosmic epochs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 2673-2678	4.3	3
8	Jet-driven bubbles in Fanaroff-Bille type-I sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 4926-4936	4.3	2
7	Some Recent Peculiarities of the Early Afterglow. <i>AIP Conference Proceedings</i> , 2004 ,	0	2
6	Bolometric light curves of aspherical shock breakout. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	2
5	Survival probabilities in time-dependent random walks. <i>Physical Review E</i> , 2004 , 70, 016116	2.4	1
4	Hod and Nakar Reply:. <i>Physical Review Letters</i> , 2003 , 91,	7.4	1
3	Spherical Shocks in a Steep Density Gradient of Expanding Media. <i>Astrophysical Journal</i> , 2021 , 907, 113	4.7	0
2	Optical to X-rays SNe light curves following shock breakout through a thick wind. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 399-400	0.1	
1	Relativistic and Newtonian Shock Breakouts. <i>Proceedings of the International Astronomical Union</i> , 2011 , 7, 282-284	0.1	

