Ehud Nakar

List of Publications by Year in Descending Order

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	The Panchromatic Afterglow of GW170817: The Full Uniform Data Set, Modeling, Comparison with Previous Results, and Implications. *Astrophysical Journal*, **2021**, 922, 154	4.7	4
160	Afterglow Constraints on the Viewing Angle of Binary Neutron Star Mergers and Determination of the Hubble Constant. *Astrophysical Journal*, **2021**, 909, 114	4.7	8
159	Intermittent mildly magnetized jets as the source of GRBs. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 3947-3955	4.3	4
158	Spherical Shocks in a Steep Density Gradient of Expanding Media. *Astrophysical Journal*, **2021**, 907, 113	4.7	0
157	A transient radio source consistent with a merger-triggered core collapse supernova. *Science*, **2021**, 373, 1125-1129	33.3	7
156	The structure of hydrodynamic □ray burst jets. *Monthly Notices of the Royal Astronomical Society*, **2020**, 500, 3511-3526	4.3	33
155	Radioactive Heating Rate of r-process Elements and Macronova Light Curve. *Astrophysical Journal*, **2020**, 891, 152	4.7	34
154	Intermittent hydrodynamic jets in collapsars do not produce GRBs. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 570-577	4.3	13
153	Physics of radiation mediated shocks and its applications to GRBs, supernovae, and neutron star mergers. *Physics Reports*, **2020**, 866, 1-46	27.7	13
152	GROWTH on S190814bv: Deep Synoptic Limits on the Optical/Near-infrared Counterpart to a Neutron Star□Black Hole Merger. *Astrophysical Journal*, **2020**, 890, 131	4.7	51
151	Monte Carlo simulations of fast Newtonian and mildly relativistic shock breakout from a stellar wind. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 4961-4971	4.3	5
150	The structure of weakly magnetized □ray burst jets. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 3320-3333	4.3	22
149	The electromagnetic counterparts of compact binary mergers. *Physics Reports*, **2020**, 886, 1-84	27.7	41
148	Shock breakouts from red supergiants: analytical and numerical predictions. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 3927-3936	4.3	8
147	Generalized compactness limit from an arbitrary viewing angle. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 1563-1573	4.3	18
146	Relativistic Jets in Core-collapse Supernovae. *Astrophysical Journal Letters*, **2019**, 871, L25	7.9	19
145	Constraints on the emitting region of the gamma-rays observed in GW170817. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 1247-1255	4.3	29

144	The spectrum of a fast shock breakout from a stellar wind. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 3502-3509	4.3	9
143	Observational constraints on the structure of gamma-ray burst jets. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 5430-5440	4.3	38
142	Numerical simulations of AGN wind feedback on black hole accretion: probing down to scales within the sphere of influence. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 4642-4653	4.3	5
141	Supernova PTF 12glz: A Possible Shock Breakout Driven through an Aspherical Wind. *Astrophysical Journal*, **2019**, 872, 141	4.7	15
140	A Hubble constant measurement from superluminal motion of the jet in GW170817. *Nature Astronomy*, **2019**, 3, 940-944	12.1	118
139	High efficiency photospheric emission entailed by formation of a collimation shock in gamma-ray bursts. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 1416-1426	4.3	23
138	Detectability of neutron star merger afterglows. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 2405-2411	4.3	21
137	Jet-driven bubbles in Fanaroff□Riley type-I sources. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 4926-4936	4.3	2
136	The propagation of choked jet outflows in power-law external media. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 2844-2872	4.3	8
135	Recombination Effects on Supernova Light Curves. *Astrophysical Journal*, **2019**, 879, 20	4.7	5
134	The role of radioactive nickel in shaping the plateau phase of Type□II supernovae. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 1211-1223	4.3	13
133	The □-rays that accompanied GW170817 and the observational signature of a magnetic jet breaking out of NS merger ejecta. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 2971-2977	4.3	60
132	The evolution of temperature and bolometric luminosity in Type II supernovae. *Monthly Notices of the Royal Astronomical Society*, **2018**, 473, 513-537	4.3	13
131	A mildly relativistic wide-angle outflow in the neutron-star merger event GW170817. *Nature*, **2018**, 554, 207-210	50.4	224
130	The cocoon emission □an electromagnetic counterpart to gravitational waves from neutron star mergers. *Monthly Notices of the Royal Astronomical Society*, **2018**, 473, 576-584	4.3	116
129	Physics of the saturation of particle acceleration in relativistic magnetic reconnection. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 3902-3912	4.3	9
128	Implications of the radio and X-ray emission that followed GW170817. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 407-415	4.3	52
127	Numerically calibrated model for propagation of a relativistic unmagnetized jet in dense media. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 2128-2140	4.3	40

126	Synchrotron Radiation from the Fast Tail of Dynamical Ejecta of Neutron Star Mergers. *Astrophysical Journal*, **2018**, 867, 95	4.7	64
125	A Strong Jet Signature in the Late-time Light Curve of GW170817. *Astrophysical Journal Letters*, **2018**, 868, L11	7.9	85
124	From to Radio: The Electromagnetic Counterpart of GW170817. *Astrophysical Journal*, **2018**, 867, 18	4.7	56
123	Relativistic shock breakout from a stellar wind. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 5453-5463	4.3	7
122	Superluminal motion of a relativistic jet in the neutron-star merger GW170817. *Nature*, **2018**, 561, 355-359	50.4	251
121	Limits on the growth rate of supermassive black holes at early cosmic epochs. *Monthly Notices of the Royal Astronomical Society*, **2018**, 473, 2673-2678	4.3	3
120	Is the Macronova in GW170817 Powered by the Central Engine?. *Astrophysical Journal*, **2018**, 861, 55	4.7	21
119	A cocoon shock breakout as the origin of the ray emission in GW170817. *Monthly Notices of the Royal Astronomical Society*, **2018**,	4.3	76
118	THE OBSERVABLE SIGNATURES OF GRB COCOONS. *Astrophysical Journal*, **2017**, 834, 28	4.7	100
117	Illuminating gravitational waves: A concordant picture of photons from a neutron star merger. *Science*, **2017**, 358, 1559-1565	33.3	414
116	and observations of GW170817: Detection of a blue kilonova. *Science*, **2017**, 358, 1565-1570	33.3	286
115	A radio counterpart to a neutron star merger. *Science*, **2017**, 358, 1579-1583	33.3	302
114	Energetic eruptions leading to a peculiar hydrogen-rich explosion of a massive star. *Nature*, **2017**, 551, 210-213	50.4	88
113	THE IMPORTANCE OF56Ni IN SHAPING THE LIGHT CURVES OF TYPE II SUPERNOVAE. *Astrophysical Journal*, **2016**, 823, 127	4.7	30
112	TESTING THE MAGNETAR MODEL VIA LATE-TIME RADIO OBSERVATIONS OF TWO MACRONOVA CANDIDATES. *Astrophysical Journal Letters*, **2016**, 819, L22	7.9	43
111	THE DETECTION RATE OF EARLY UV EMISSION FROM SUPERNOVAE: A DEDICATEDGALEX/PTF SURVEY AND CALIBRATED THEORETICAL ESTIMATES. *Astrophysical Journal*, **2016**, 820, 57	4.7	26
110	X-RAY-POWERED MACRONOVAE. *Astrophysical Journal*, **2016**, 818, 104	4.7	39
109	Linear and circular polarization in ultra-relativistic synchrotron sources mplications to GRB afterglows. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 1594-1606	4.3	15

108	THE B/C AND SUB-IRON/IRON COSMIC RAY RATIOS: FURTHER EVIDENCE IN FAVOR OF THE SPIRAL-ARM DIFFUSION MODEL. *Astrophysical Journal*, **2016**, 826, 47	4.7	9
107	RADIO COUNTERPARTS OF COMPACT BINARY MERGERS DETECTABLE IN GRAVITATIONAL WAVES: A SIMULATION FOR AN OPTIMIZED SURVEY. *Astrophysical Journal*, **2016**, 831, 190	4.7	51
106	THE EFFECT OF COOLING ON PARTICLE TRAJECTORIES AND ACCELERATION IN RELATIVISTIC MAGNETIC RECONNECTION. *Astrophysical Journal*, **2016**, 833, 155	4.7	8
105	The dynamics of radiation-driven, optically thick winds. *Monthly Notices of the Royal Astronomical Society*, **2016**, 459, 171-177	4.3	12
104	BEAMING OF PARTICLES AND SYNCHROTRON RADIATION IN RELATIVISTIC MAGNETIC RECONNECTION. *Astrophysical Journal*, **2016**, 826, 221	4.7	21
103	The nature of ULX source M101 X-1: optically thick outflow from a stellar mass black hole. *Monthly Notices of the Royal Astronomical Society: Letters*, **2015**, 447, L60-L64	4.3	24
102	The afterglow of a relativistic shock breakout and low-luminosity GRBs. *Monthly Notices of the Royal Astronomical Society*, **2015**, 448, 417-428	4.3	27
101	A UNIFIED PICTURE FOR LOW-LUMINOSITY AND LONG GAMMA-RAY BURSTS BASED ON THE EXTENDED PROGENITOR OFllGRB 060218/SN 2006AJ. *Astrophysical Journal*, **2015**, 807, 172	4.7	86
100	RADIO OBSERVATIONS REVEAL A SMOOTH CIRCUMSTELLAR ENVIRONMENT AROUND THE EXTRAORDINARY TYPE Ib SUPERNOVA 2012au. *Astrophysical Journal*, **2014**, 797, 2	4.7	26
99	SCIENCE WITH A WIDE-FIELD UV TRANSIENT EXPLORER. *Astronomical Journal*, **2014**, 147, 79	4.9	59
98	SUPERNOVAE WITH TWO PEAKS IN THE OPTICAL LIGHT CURVE AND THE SIGNATURE OF PROGENITORS WITH LOW-MASS EXTENDED ENVELOPES. *Astrophysical Journal*, **2014**, 788, 193	4.7	82
97	SN 2008D: A WOLF-RAYET EXPLOSION THROUGH A THICK WIND. *Astrophysical Journal Letters*, **2014**, 788, L14	7.9	32
96	RECOVERING THE OBSERVED B/C RATIO IN A DYNAMIC SPIRAL-ARMED COSMIC RAY MODEL. *Astrophysical Journal*, **2014**, 782, 34	4.7	19
95	SN 2010jl: OPTICAL TO HARD X-RAY OBSERVATIONS REVEAL AN EXPLOSION EMBEDDED IN A TEN SOLAR MASS COCOON. *Astrophysical Journal*, **2014**, 781, 42	4.7	91
94	Photometric and spectroscopic properties of Type II-P supernovae. *Monthly Notices of the Royal Astronomical Society*, **2014**, 442, 844-861	4.3	101
93	CONSTRAINTS ON SHALLOW56Ni FROM THE EARLY LIGHT CURVES OF TYPE Ia SUPERNOVAE. *Astrophysical Journal*, **2014**, 784, 85	4.7	66
92	SPECTRUM AND LIGHT CURVE OF A SUPERNOVA SHOCK BREAKOUT THROUGH A THICK WOLF-RAYET WIND. *Astrophysical Journal*, **2014**, 788, 113	4.7	20
91	An outburst from a massive star 40 days before a supernova explosion. *Nature*, **2013**, 494, 65-7	50.4	155

90	The multimessenger picture of compact object encounters: binary mergers versus dynamical collisions. *Monthly Notices of the Royal Astronomical Society*, **2013**, 430, 2585-2604	4.3	146
89	The electromagnetic signals of compact binary mergers. *Monthly Notices of the Royal Astronomical Society*, **2013**, 430, 2121-2136	4.3	195
88	RADIUS CONSTRAINTS AND MINIMAL EQUIPARTITION ENERGY OF RELATIVISTICALLY MOVING SYNCHROTRON SOURCES. *Astrophysical Journal*, **2013**, 772, 78	4.7	29
87	ILLUMINATING THE DARKEST GAMMA-RAY BURSTS WITH RADIO OBSERVATIONS. *Astrophysical Journal*, **2013**, 767, 161	4.7	21
86	WHAT CAN WE LEARN FROM THE RISING LIGHT CURVES OF RADIOACTIVELY POWERED SUPERNOVAE?. *Astrophysical Journal*, **2013**, 769, 67	4.7	121
85	SHORT VERSUS LONG AND COLLAPSARS VERSUS NON-COLLAPSARS: A QUANTITATIVE CLASSIFICATION OF GAMMA-RAY BURSTS. *Astrophysical Journal*, **2013**, 764, 179	4.7	133
84	The long, the short and the weak: the origin of gamma-ray bursts. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120273	3	9
83	OPTICAL TO X-RAY SUPERNOVA LIGHT CURVES FOLLOWING SHOCK BREAKOUT THROUGH A THICK WIND. *Astrophysical Journal*, **2012**, 759, 108	4.7	70
82	ON PARTICLE ACCELERATION RATE IN GAMMA-RAY BURST AFTERGLOWS. *Astrophysical Journal*, **2012**, 749, 80	4.7	14
81	A REVISED VIEW OF THE TRANSIENT RADIO SKY. *Astrophysical Journal*, **2012**, 747, 70	4.7	69
80	AN OBSERVATIONAL IMPRINT OF THE COLLAPSAR MODEL OF LONG GAMMA-RAY BURSTS. *Astrophysical Journal*, **2012**, 749, 110	4.7	76
79	EVIDENCE FOR A COMPACT WOLF-RAYET PROGENITOR FOR THE TYPE Ic SUPERNOVA PTF 10vgv. *Astrophysical Journal Letters*, **2012**, 747, L5	7.9	33
78	RELATIVISTIC SHOCK BREAKOUTS—A VARIETY OF GAMMA-RAY FLARES: FROM LOW-LUMINOSITY GAMMA-RAY BURSTS TO TYPE Ia SUPERNOVAE. *Astrophysical Journal*, **2012**, 747, 88	4.7	151
77	PANCHROMATIC OBSERVATIONS OF SN 2011dh POINT TO A COMPACT PROGENITOR STAR. *Astrophysical Journal*, **2012**, 752, 78	4.7	79
76	Optical to X-rays SNe light curves following shock breakout through a thick wind. *Proceedings of the International Astronomical Union*, **2011**, 7, 399-400	0.1	
75	Relativistic and Newtonian Shock Breakouts. *Proceedings of the International Astronomical Union*, **2011**, 7, 282-284	0.1	
74	TWO-STREAM-LIKE INSTABILITY IN DILUTE HOT RELATIVISTIC BEAMS AND ASTROPHYSICAL RELATIVISTIC SHOCKS. *Astrophysical Journal*, **2011**, 738, 93	4.7	21
73	THE PROPAGATION OF RELATIVISTIC JETS IN EXTERNAL MEDIA. *Astrophysical Journal*, **2011**, 740, 100	4.7	199

72	THE AFTERGLOWS OFSWIFT-ERA GAMMA-RAY BURSTS. II. TYPE I GRB VERSUS TYPE II GRB OPTICAL AFTERGLOWS. *Astrophysical Journal*, **2011**, 734, 96	4.7	149
71	ARE LOW-LUMINOSITY GAMMA-RAY BURSTS GENERATED BY RELATIVISTIC JETS?. *Astrophysical Journal Letters*, **2011**, 739, L55	7.9	108
70	Limits on the GeV emission from gamma-ray bursts. *Monthly Notices of the Royal Astronomical Society*, **2011**, 416, 3089-3097	4.3	24
69	SGR 1806−20 distance and dust properties in molecular clouds by analysis of flare X-ray echoes. *Monthly Notices of the Royal Astronomical Society*, **2011**, 415, 2485-2494	4.3	15
68	Hydrogen-poor superluminous stellar explosions. *Nature*, **2011**, 474, 487-9	50.4	378
67	Detectable radio flares following gravitational waves from mergers of binary neutron stars. *Nature*, **2011**, 478, 82-4	50.4	272
66	Birth of a relativistic outflow in the unusual γ-ray transient Swift J164449.3+573451. *Nature*, **2011**, 476, 425-8	50.4	275
65	THE COLLIMATION AND ENERGETICS OF THE BRIGHTESTSWIFTGAMMA-RAY BURSTS. *Astrophysical Journal*, **2010**, 711, 641-654	4.7	100
64	EARLY SUPERNOVAE LIGHT CURVES FOLLOWING THE SHOCK BREAKOUT. *Astrophysical Journal*, **2010**, 725, 904-921	4.7	216
63	ON THE EXTERNAL SHOCK SYNCHROTRON MODEL FOR GAMMA-RAY BURSTSGeV EMISSION. *Astrophysical Journal Letters*, **2010**, 718, L63-L67	7.9	72
62	RADIO AND X-RAY OBSERVATIONS OF THE TYPE Ic SN 2007gr REVEAL AN ORDINARY, NON-RELATIVISTIC EXPLOSION. *Astrophysical Journal*, **2010**, 725, 922-930	4.7	54
61	DETECTABILITY OF OORT CLOUD OBJECTS USING KEPLER. *Astrophysical Journal Letters*, **2010**, 711, L7-L11	7.9	5
60	THE AFTERGLOWS OFSWIFT-ERA GAMMA-RAY BURSTS. I. COMPARING PRE-SWIFTANDSWIFT-ERA LONG/SOFT (TYPE II) GRB OPTICAL AFTERGLOWS. *Astrophysical Journal*, **2010**, 720, 1513-1558	4.7	211
59	Inhomogeneity in cosmic ray sources as the origin of the electron spectrum and the PAMELA anomaly. *Physical Review Letters*, **2009**, 103, 111302	7.4	84
58	KLEINNISHINA EFFECTS ON OPTICALLY THIN SYNCHROTRON AND SYNCHROTRON SELF-COMPTON SPECTRUM. *Astrophysical Journal*, **2009**, 703, 675-691	4.7	114
57	GAMMA-RAY BURST LIGHT CURVES IN THE RELATIVISTIC TURBULENCE AND RELATIVISTIC SUBJET MODELS. *Astrophysical Journal*, **2009**, 695, L10-L14	4.7	62
56	An extremely luminous X-ray outburst at the birth of a supernova. *Nature*, **2008**, 453, 469-74	50.4	348
55	Shock Vorticity Generation from Accelerated Ion Streaming in the Precursor of Ultrarelativistic Gamma-Ray Burst External Shocks. *Astrophysical Journal*, **2008**, 688, 462-469	4.7	18

54	New Imaging and Spectroscopy of the Locations of Several Short-Hard Gamma-Ray Bursts. *Astrophysical Journal*, **2008**, 686, 408-416	4.7	15
53	GeV Emission from Prompt and Afterglow Phases of Gamma-Ray Bursts. *Astrophysical Journal*, **2008**, 689, 1150-1160	4.7	22
52	Cluster Merger Shock Constraints on Particle Acceleration and Nonthermal Pressure in the Intracluster Medium. *Astrophysical Journal*, **2008**, 675, 126-135	4.7	5
51	GRB 070201: A Possible Soft Gamma-Ray Repeater in M31. *Astrophysical Journal*, **2008**, 681, 1464-1469	4.7	32
50	GRB 070610: A Curious Galactic Transient. *Astrophysical Journal*, **2008**, 678, 1127-1135	4.7	26
49	Some theoretical implications of short-hard gamma-ray burst observations. *Advances in Space Research*, **2007**, 40, 1224-1228	2.4	10
48	Short-hard gamma-ray bursts. *Physics Reports*, **2007**, 442, 166-236	27.7	626
47	Smooth light curves from a bumpy ride: relativistic blast wave encounters a density jump. *Monthly Notices of the Royal Astronomical Society*, **2007**, 380, 1744-1760	4.3	79
46	GRB 060505: A Possible Short-Duration Gamma-Ray Burst in a Star-forming Region at a Redshift of 0.09. *Astrophysical Journal*, **2007**, 662, 1129-1135	4.7	86
45	The Cluster-Merger Shock in 1E 0657-56: Faster than a Speeding Bullet?. *Astrophysical Journal*, **2007**, 661, L131-L134	4.7	48
44	A Spectacular Radio Flare from XRF 050416a at 40 Days and Implications for the Nature of X-Ray Flashes. *Astrophysical Journal*, **2007**, 661, 982-994	4.7	50
43	A New Population of High-Redshift Short-Duration Gamma-Ray Bursts. *Astrophysical Journal*, **2007**, 664, 1000-1010	4.7	133
42	The Local Rate and the Progenitor Lifetimes of Short-Hard Gamma-Ray Bursts: Synthesis and Predictions for the Laser Interferometer Gravitational-Wave Observatory. *Astrophysical Journal*, **2006**, 650, 281-290	4.7	124
41	The Cosmic-Ray Precursor of Relativistic Collisionless Shocks: A Missing Link in Gamma-Ray Burst Afterglows. *Astrophysical Journal*, **2006**, 651, 979-984	4.7	43
40	The Distances of Short-Hard Gamma-Ray Bursts and the Soft Gamma-Ray Repeater Connection. *Astrophysical Journal*, **2006**, 640, 849-853	4.7	53
39	An Energetic Afterglow from a Distant Stellar Explosion. *Astrophysical Journal*, **2006**, 646, L99-L102	4.7	55
38	Late-Time Radio Observations of 68 Type Ibc Supernovae: Strong Constraints on Off-Axis Gamma-Ray Bursts. *Astrophysical Journal*, **2006**, 638, 930-937	4.7	169
37	Radio and Optical Follow-up Observations of a Uniform Radio Transient Search: Implications for Gamma-Ray Bursts and Supernovae. *Astrophysical Journal*, **2006**, 639, 331-339	4.7	89

36	Weibel Filament Decay and Thermalization in Collisionless Shocks and Gamma-Ray Burst Afterglows. *Astrophysical Journal*, **2006**, 641, 978-983	4.7	40
35	The Short-Hard GRB 051103: Observations and Implications for Its Nature. *Astrophysical Journal*, **2006**, 652, 507-511	4.7	33
34	Multiwavelength Observations of GRB 050820A: An Exceptionally Energetic Event Followed from Start to Finish. *Astrophysical Journal*, **2006**, 652, 490-506	4.7	81
33	Steady State Electrostatic Layers from Weibel Instability in Relativistic Collisionless Shocks. *Astrophysical Journal*, **2006**, 637, 765-773	4.7	33
32	The Afterglow, Energetics, and Host Galaxy of the Short-Hard Gamma-Ray Burst 051221a. *Astrophysical Journal*, **2006**, 650, 261-271	4.7	218
31	Opening angles, Lorentz factors and confinement of X-ray binary jets. *Monthly Notices of the Royal Astronomical Society*, **2006**, 367, 1432-1440	4.3	67
30	Relativistic ejecta from X-ray flash XRF 060218 and the rate of cosmic explosions. *Nature*, **2006**, 442, 1014-7	50.4	376
29	A new gamma-ray burst classification scheme from GRB 060614. *Nature*, **2006**, 444, 1044-6	50.4	353
28	Pure and Loaded Fireballs in Soft Gamma-Ray Repeater Giant Flares. *Astrophysical Journal*, **2005**, 635, 516-521	4.7	55
27	GRB 990123 Revisited: Further Evidence of a Reverse Shock. *Astrophysical Journal*, **2005**, 619, L147-L150	4.7	24
26	Detection of a radio counterpart to the 27 December 2004 giant flare from SGR 1806-20. *Nature*, **2005**, 434, 1112-5	50.4	113
25	The afterglow of GRB 050709 and the nature of the short-hard gamma-ray bursts. *Nature*, **2005**, 437, 845-50	50.4	392
24	Outliers to the peak energy-isotropic energy relation in gamma-ray bursts. *Monthly Notices of the Royal Astronomical Society: Letters*, **2005**, 360, L73-L76	4.3	118
23	Afterglows, Redshifts, and Properties ofSwiftGamma-Ray Bursts. *Astrophysical Journal*, **2005**, 634, 501-508	4.7	88
22	Survival probabilities in time-dependent random walks. *Physical Review E*, **2004**, 70, 016116	2.4	1
21	Evolutionary minority game: the roles of response time and mutation threshold. *Physical Review E*, **2004**, 69, 066122	2.4	3
20	Some Recent Peculiarities of the Early Afterglow. *AIP Conference Proceedings*, **2004**,	0	2
19	Early afterglow emission from a reverse shock as a diagnostic tool for gamma-ray burst outflows. *Monthly Notices of the Royal Astronomical Society*, **2004**, 353, 647-653	4.3	83

18	The apparent size of gamma-ray burst afterglows as a test of the fireball model. *Monthly Notices of the Royal Astronomical Society*, **2004**, 353, L35-L40	4.3	33
17	Testing the Predictions of the Universal Structured Gamma-Ray Burst Jet Model. *Astrophysical Journal*, **2004**, 606, L37-L40	4.7	23
16	Polarization and Light-Curve Variability: The "Patchy-Shell" Model. *Astrophysical Journal*, **2004**, 602, L97-L100	4.7	34
15	Implications of the γ-ray polarization of GRB 021206. *Journal of Cosmology and Astroparticle Physics*, **2003**, 2003, 005-005	6.4	55
14	Modeling Fluctuations in Gamma-Ray Burst Afterglow Light Curves. *Astrophysical Journal*, **2003**, 598, 400-410	4.7	40
13	On-axis orphan afterglows. *New Astronomy*, **2003**, 8, 141-153	1.8	31
12	Variability in GRB afterglows and GRB 021004. *New Astronomy*, **2003**, 8, 495-505	1.8	87
11	Astrophysics: refreshed shocks from a gamma-ray burst. *Nature*, **2003**, 426, 138-9	50.4	94
10	Hod and Nakar Reply:. *Physical Review Letters*, **2003**, 91,	7.4	1
9	Strategy updating rules and strategy distributions in dynamical multiagent systems. *Physical Review E*, **2003**, 68, 026115	2.4	9
8	Temporal oscillations and phase transitions in the evolutionary minority game. *Physical Review E*, **2003**, 67, 016109	2.4	17
7	Temporal properties of short gamma-ray bursts. *Monthly Notices of the Royal Astronomical Society*, **2002**, 330, 920-926	4.3	59
6	Time-scales in long gamma-ray bursts. *Monthly Notices of the Royal Astronomical Society*, **2002**, 331, 40-44	4.3	63
5	Self-segregation versus clustering in the evolutionary minority game. *Physical Review Letters*, **2002**, 88, 238702	7.4	53
4	Gamma-Ray Burst Light Curves: Another Clue on the Inner Engine. *Astrophysical Journal*, **2002**, 572, L139-L142	4.7	45
3	The Detectability of Orphan Afterglows. *Astrophysical Journal*, **2002**, 579, 699-705	4.7	83
2	Passage through resonance and autoresonance in x(2n)-type potentials. *Physical Review E*, **1999**, 60, 5479-85	2.4	4
1	Bolometric light curves of aspherical shock breakout. *Monthly Notices of the Royal Astronomical Society*,	4.3	2