S I Blinnikov

List of Publications by Year in descending order

185 papers	7,009 citations	81900 39 h-index	62596 80 g-index
191 all docs	191 docs citations	191 times ranked	4693 citing authors

#	Article	IF	Citations
1	Modules for Experiments in Stellar Astrophysics (${mathtt{M}}{mathtt{E}}{mathtt{S}}{mathtt{A}}$): Convective Boundaries, Element Diffusion, and Massive Star Explosions. Astrophysical Journal, Supplement Series, 2018, 234, 34.	7.7	1,182
2	Pulsational pair instability as an explanation for the most luminous supernovae. Nature, 2007, 450, 390-392.	27.8	495
3	Radiation Hydrodynamics of SN 1987A. I. Global Analysis of the Light Curve for the First 4 Months. Astrophysical Journal, 2000, 532, 1132-1149.	4.5	220
4	Expansions for nearly Gaussian distributions. Astronomy and Astrophysics, 1998, 130, 193-205.	2.1	219
5	A Comparative Modeling of Supernova 1993J. Astrophysical Journal, 1998, 496, 454-472.	4.5	215
6	Theoretical light curves for deflagration models of typeÂIa supernova. Astronomy and Astrophysics, 2006, 453, 229-240.	5.1	196
7	The Peculiar SN 2005hk: Do Some Type Ia Supernovae Explode as Deflagrations?. Publications of the Astronomical Society of the Pacific, 2007, 119, 360-387.	3.1	192
8	The Type IIn supernova 1994W: evidence for the explosive ejection of a circumstellar envelope. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1213-1231.	4.4	178
9	ULTRA-STRIPPED TYPE Ic SUPERNOVAE FROM CLOSE BINARY EVOLUTION. Astrophysical Journal Letters, 2013, 778, L23.	8.3	167
10	A Threeâ€Dimensional Deflagration Model for Type Ia Supernovae Compared with Observations. Astrophysical Journal, 2007, 668, 1132-1139.	4.5	143
11	Light-curve modelling of superluminous supernova 2006gy: collision between supernova ejecta and a dense circumstellar medium. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1020-1035.	4.4	140
12	Type Ia Supernova Light Curves. Astrophysical Journal, 2007, 662, 487-503.	4.5	119
13	Supernovae from red supergiants with extensive mass loss. Monthly Notices of the Royal Astronomical Society, 2011, 415, 199-213.	4.4	119
14	Equation of State of a Fermi Gas: Approximations for Various Degrees of Relativism and Degeneracy. Astrophysical Journal, Supplement Series, 1996, 106, 171.	7.7	110
15	SN 2005bf: A Possible Transition Event between Type Ib/c Supernovae and Gammaâ€Ray Bursts. Astrophysical Journal, 2006, 641, 1039-1050.	4.5	106
16	Solving puzzles of GW150914 by primordial black holes. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 036-036.	5.4	105
17	The rise-time of Type II supernovae. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2212-2229.	4.4	102
18	Quark deconfinement as a supernova explosion engine for massive blue supergiant stars. Nature Astronomy, 2018, 2, 980-986.	10.1	102

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19	An analytic bolometric light curve model of interaction-powered supernovae and its application to Type IIn supernovae. Monthly Notices of the Royal Astronomical Society, 2013, 435, 1520-1535.	4.4	97
20	Mass-loss histories of Type IIn supernova progenitors within decades before their explosion. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2917-2926.	4.4	88
21	The delay of shock breakout due to circumstellar material evident in most type II supernovae. Nature Astronomy, 2018, 2, 808-818.	10.1	86
22	Landau-Darrieus instability and the fractal dimension of flame fronts. Physical Review E, 1996, 53, 4827-4841.	2.1	85
23	RAPIDLY RISING TRANSIENTS FROM THE SUBARU HYPER SUPRIME-CAM TRANSIENT SURVEY*. Astrophysical Journal, 2016, 819, 5.	4.5	81
24	TYPE I SUPERLUMINOUS SUPERNOVAE AS EXPLOSIONS INSIDE NON-HYDROGEN CIRCUMSTELLAR ENVELOPES. Astrophysical Journal, 2016, 829, 17.	4.5	79
25	Parameters of the classical type-IIP supernova SN 1999em. Astronomy Letters, 2005, 31, 429-441.	1.0	68
26	Light-curve and spectral properties of ultrastripped core-collapse supernovae leading to binary neutron stars. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2085-2098.	4.4	67
27	SHOCK BREAKOUT IN TYPE II PLATEAU SUPERNOVAE: PROSPECTS FOR HIGH-REDSHIFT SUPERNOVA SURVEYS. Astrophysical Journal, Supplement Series, 2011, 193, 20.	7.7	66
28	Pulsational Pair-instability Supernovae. I. Pre-collapse Evolution and Pulsational Mass Ejection. Astrophysical Journal, 2019, 887, 72.	4.5	66
29	Photometric observations of the Type Ia SN 2002er in UGC 10743. Monthly Notices of the Royal Astronomical Society, 2004, 355, 178-190.	4.4	63
30	Observational properties of low-redshift pair instability supernovae. Astronomy and Astrophysics, 2014, 565, A70.	5.1	63
31	Fast evolving pair-instability supernova models: evolution, explosion, light curves. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2854-2865.	4.4	63
32	Early light curves for Type Ia supernova explosion models. Monthly Notices of the Royal Astronomical Society, 2017, 472, 2787-2799.	4.4	60
33	Immediate dense circumstellar environment of supernova progenitors caused by wind acceleration: its effect on supernova light curves. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 469, L108-L112.	3.3	58
34	Electron-capture supernovae exploding within their progenitor wind. Astronomy and Astrophysics, 2014, 569, A57.	5.1	54
35	Type IIP supernova light curves affected by the acceleration of red supergiant winds. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2840-2851.	4.4	53
36	The cooling of hot white dwarfs: a theory with non-standard weak interactions, and a comparison with observations. Monthly Notices of the Royal Astronomical Society, 1994, 266, 289-304.	4.4	50

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37	SUPERNOVA EXPLOSIONS OF SUPER-ASYMPTOTIC GIANT BRANCH STARS: MULTICOLOR LIGHT CURVES OF ELECTRON-CAPTURE SUPERNOVAE. Astrophysical Journal Letters, 2013, 771, L12.	8.3	49
38	Detailed Spectroscopic Analysis of SN 1987A: The Distance to the Large Magellanic Cloud Using the Spectralâ€fitting Expanding Atmosphere Method. Astrophysical Journal, 2002, 574, 293-305.	4.5	47
39	Antimatter and antistars in the Universe and in the Galaxy. Physical Review D, 2015, 92, .	4.7	45
40	The equation of state and composition of hot, dense matter in core-collapse supernovae. Astronomy and Astrophysics, 2011, 535, A37.	5.1	38
41	PROPERTIES OF TYPE II PLATEAU SUPERNOVA SNLS-04D2dc: MULTICOLOR LIGHT CURVES OF SHOCK BREAKOUT AND PLATEAU. Astrophysical Journal, 2009, 705, L10-L14.	4.5	37
42	Type Ia Supernova models: Latest developments. Astrophysics and Space Science, 2004, 290, 13-28.	1.4	36
43	Can pair-instability supernova models match the observations of superluminous supernovae?. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4357-4365.	4.4	33
44	A Model for the Fast Blue Optical Transient AT2018cow: Circumstellar Interaction of a Pulsational Pair-instability Supernova. Astrophysical Journal, 2020, 903, 66.	4.5	33
45	Stars and black holes from the very early universe. Physical Review D, 2014, 89, .	4.7	30
46	Coupling of matter and radiation at supernova shock breakout. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3181-3199.	4.4	29
47	Multicolour modelling of SN 2013dx associated with GRB 130702Aâ˜…. Monthly Notices of the Royal Astronomical Society, 2017, 467, 3500-3512.	4.4	29
48	Near-infrared and Optical Observations of Type Ic SN 2020oi and Broad-lined Type Ic SN 2020bvc: Carbon Monoxide, Dust, and High-velocity Supernova Ejecta. Astrophysical Journal, 2021, 908, 232.	4.5	29
49	Synthetic light curves of shocked dense circumstellar shells. Monthly Notices of the Royal Astronomical Society, 2013, 430, 1402-1407.	4.4	28
50	MASTER OT J004207.99+405501.1/M31LRN 2015 luminous red nova in M31: discovery, light curve, hydrodynamics and evolution. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2339-2350.	4.4	28
51	XMM-Newton X-ray spectra of the SNRÂ0509-67.5: data and models. Astronomy and Astrophysics, 2008, 490, 223-230.	5.1	28
52	Cosmic gamma-ray bursts. Surveys in High Energy Physics, 2000, 15, 37-74.	0.6	27
53	On the nature of rapidly fading Type II supernovae. Monthly Notices of the Royal Astronomical Society, 2016, 455, 423-430.	4.4	27
54	Discovery of a hot ultramassive rapidly rotating DBA white dwarf. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 499, L21-L25.	3.3	27

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55	On physical and numerical instabilities arising in simulations of non-stationary radiatively cooling shocks. Monthly Notices of the Royal Astronomical Society, 2016, 459, 2188-2211.	4.4	26
56	Pulsational Pair-instability Model for Superluminous Supernova PTF12dam:Interaction and Radioactive Decay. Astrophysical Journal, 2017, 835, 266.	4.5	26
57	Spherical accretion on to compact X-ray sources with preheating: no thermal limit for the luminosity. Monthly Notices of the Royal Astronomical Society, 1980, 191, 711-719.	4.4	25
58	The origin of the high-velocity circumstellar gas around SN 1998S. Monthly Notices of the Royal Astronomical Society, 2002, 330, 473-480.	4.4	25
59	Modeling supernova remnants: effects of diffusive cosmic-ray acceleration on the evolution and application to observations. Astronomy and Astrophysics, 2011, 532, A114.	5.1	25
60	How strong can the coupling of leptonic photons be?. Nuclear Physics B, 1996, 458, 52-64.	2.5	24
61	Dynamics and radiation of young type-Ia supernova remnants: Important physical processes. Astronomy Letters, 2004, 30, 737-750.	1.0	24
62	Type Ia supernovae within dense carbon- and oxygen-rich envelopes: a model for â€˜Super-Chandrasekharâ€™ explosions?. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2972-2985.	4.4	24
63	56Ni Mixing in the Outer Layers of SN 1987A. Astrophysical Journal, 2001, 556, 979-986.	4.5	23
64	Study of supernovae important for cosmology. JETP Letters, 2013, 98, 432-439.	1.4	22
65	SHOCK WAVE STRUCTURE IN ASTROPHYSICAL FLOWS WITH AN ACCOUNT OF PHOTON TRANSFER. Astrophysical Journal, 2015, 811, 47.	4.5	22
66	SUPER-CHANDRASEKHAR-MASS LIGHT CURVE MODELS FOR THE HIGHLY LUMINOUS TYPE Ia SUPERNOVA 2009dc. Astrophysical Journal, 2012, 756, 191.	4.5	21
67	Direct distance measurements to SN 2009ip. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 431, L98-L101.	3.3	21
68	The equilibrium, stability and evolution of a rotating magnetized gaseous disk. Astrophysics and Space Science, 1972, 19, 119-144.	1.4	20
69	Multigroup radiative transfer in supernova shock breakout models. Astronomy Letters, 2011, 37, 194-209.	1.0	20
70	Hydrogenless superluminous supernova PTF12dam in the model of an explosion inside an extended envelope. Astronomy Letters, 2015, 41, 95-103.	1.0	20
71	Shock breakouts from red supergiants: analytical and numerical predictions. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3927-3936.	4.4	20
72	A mini-supernova model for optical afterglows of gamma-ray bursts. Monthly Notices of the Royal Astronomical Society, 1998, 293, L29-L32.	4.4	19

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73	OGLE-2014-SN-073 as a fallback accretion powered supernova. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 475, L11-L14.	3.3	17
74	Production of intermediate-mass and heavy nuclei. Progress in Particle and Nuclear Physics, 2007, 59, 74-93.	14.4	16
75	Direct determination of the hubble parameter using type IIn supernovae. JETP Letters, 2012, 96, 153-157.	1.4	16
76	Excitation of the solar oscillations by objects consisting of y-matter. Solar Physics, 1983, 82, 383-385.	2.5	15
77	Self-acceleration of nuclear flames in supernovae. Space Science Reviews, 1995, 74, 299-311.	8.1	15
78	Light-curve Modeling of Fast-evolving Supernova KSN 2015K: Explosion in Circumstellar Matter of a Super-AGB Progenitor. Astrophysical Journal, 2019, 881, 35.	4.5	15
79	Radial distributions of gamma-ray bursts and type Ib/c supernovae in galaxies. Astronomy Letters, 2001, 27, 411-415.	1.0	14
80	SUPERNOVAE POWERED BY MAGNETARS THAT TRANSFORM INTO BLACK HOLES. Astrophysical Journal, 2016, 833, 64.	4.5	14
81	How much radioactive nickel does ASASSN-15lh require?. Monthly Notices of the Royal Astronomical Society: Letters, 2016, 459, L21-L25.	3.3	14
82	Dynamics of supernova bounce in laboratory. Physical Review E, 2019, 99, 033102.	2.1	14
83	Cosmological acceleration. Physics-Uspekhi, 2019, 62, 529-567.	2.2	14
84	Variable thermal energy injection from magnetar spin-down as a possible cause of stripped-envelope supernova light-curve bumps. Monthly Notices of the Royal Astronomical Society, 2022, 513, 6210-6218.	4.4	14
85	Notes on hidden mirror world. Physics of Atomic Nuclei, 2010, 73, 593-603.	0.4	13
86	Flame fronts in Type Ia supernovae and their pulsational stability. Monthly Notices of the Royal Astronomical Society, 2013, 433, 2840-2849.	4.4	13
87	Fast and Luminous Transients from the Explosions of Long-lived Massive White Dwarf Merger Remnants. Astrophysical Journal, 2017, 850, 127.	4.5	13
88	Fallback Accretion-powered Supernova Light Curves Based on a Neutrino-driven Explosion Simulation of a 40 M_{âŠ™} Star. Astrophysical Journal, 2019, 880, 21.	4.5	13
89	SN 2018hna: 1987A-like Supernova with a Signature of Shock Breakout. Astrophysical Journal Letters, 2019, 882, L15.	8.3	13
90	Mirror matter and other dark matter models. Physics-Uspekhi, 2014, 57, 183-188.	2.2	12

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91	Evolution of the Progenitors of SNe 1993J and 2011dh Revealed through Late-time Radio and X-Ray Studies. Astrophysical Journal, 2019, 875, 17.	4.5	12
92	Burning regimes for thermonuclear supernovae and cosmological applications of SNe Ia. Astronomy Letters, 2000, 26, 67-76.	1.0	11
93	Ultraviolet Light Curves of Gaia16apd in Superluminous Supernova Models. Astrophysical Journal Letters, 2017, 845, L2.	8.3	11
94	Asymmetric nuclear light clusters in supernova matter. Monthly Notices of the Royal Astronomical Society, 2019, 483, 5426-5433.	4.4	11
95	Observational properties of a general relativistic instability supernova from a primordial supermassive star. Monthly Notices of the Royal Astronomical Society, 2021, 503, 1206-1213.	4.4	11
96	Critical velocities $c/sqrt{3}$ and $c/sqrt{2}$ in the general theory of relativity. Physics-Uspekhi, 2003, 46, 1099-1103.	2.2	11
97	Constraints on the gravitational constant from the observations of white dwarfs. Astrophysics and Space Science, 1978, 59, 13-17.	1.4	10
98	Supernova remnants and expanding supershells in inhomogeneous moving medium. Astrophysics and Space Science, 1989, 154, 229-246.	1.4	10
99	Nucleosynthesis of heavy elements: Computational experiment. Astronomy Letters, 2001, 27, 239-248.	1.0	10
100	An effective selection method for low-mass active black holes and first spectroscopic identification. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	10
101	A young contracting white dwarf in the peculiar binary HDÂ49798/RXÂJ0648.0â€“4418 ?. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	10
102	Systematic investigation of the effect of 56Ni mixing in the early photospheric velocity evolution of stripped-envelope supernovae. Monthly Notices of the Royal Astronomical Society, 2020, 497, 1619-1626.	4.4	10
103	The Effect of Circumstellar Matter on the Double-peaked Type Ic Supernovae and Implications for LSQ14efd, iPTF15dtg, and SN 2020bvc. Astrophysical Journal, 2021, 910, 68.	4.5	10
104	Neutron Star Mergers and Gamma-Ray Bursts: Stripping Model. Astronomy Reports, 2021, 65, 385-391.	0.9	10
105	Spin flip of neutrinos with magnetic moment in core-collapse supernova. Physics of Atomic Nuclei, 2010, 73, 614-624.	0.4	9
106	Low-Mass Neutron Stars with Rotation. Astronomy Letters, 2019, 45, 847-854.	1.0	9
107	The Simulation of Superluminous Supernovae Using the M1 Approach for Radiation Transfer. Astrophysical Journal, Supplement Series, 2021, 256, 8.	7.7	9
108	Light Curves of Type Ia Supernovae as a Probe for an Explosion Model. , 0, , 268-275.		8

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109	SN 2017czd: A Rapidly Evolving Supernova from a Weak Explosion of a Type IIb Supernova Progenitor. Astrophysical Journal, 2019, 875, 76.	4.5	8
110	Pulsational Pair-instability Supernovae. II. Neutrino Signals from Pulsations and Their Detection by Terrestrial Neutrino Detectors. Astrophysical Journal, 2020, 889, 75.	4.5	8
111	Multiwavelength Observations of GRB 181201A and Detection of Its Associated Supernova. Astronomy Letters, 2020, 46, 783-811.	1.0	8
112	Stripping Model for Short Gamma-Ray Bursts in Neutron Star Mergers. Particles, 2022, 5, 198-209.	1.7	8
113	Type Ia supernovae: An explosion in the regime of a convergent delayed detonation wave. Astronomy Letters, 2001, 27, 353-362.	1.0	7
114	Spectra and light curves of GRB afterglows. Astronomy Letters, 2003, 29, 353-360.	1.0	7
115	Observable Effects of Shocks in Compact and Extended Presupernovae. , 0, , 23-26.		7
116	TIME-DEPENDENT MULTI-GROUP MULTI-DIMENSIONAL RELATIVISTIC RADIATIVE TRANSFER CODE BASED ON SPHERICAL HARMONIC DISCRETE ORDINATE METHOD. Astrophysical Journal, Supplement Series, 2015, 219, 38.	7.7	7
117	X-ray emission lines in the early afterglows of gamma-ray bursts. Astronomy Letters, 2003, 29, 205-213.	1.0	6
118	MULTICOLOR LIGHT CURVE SIMULATIONS OF POPULATION III CORE-COLLAPSE SUPERNOVAE: FROM SHOCK BREAKOUT TO ⁵⁶CO DECAY. Astrophysical Journal, 2016, 821, 124.	4.5	6
119	Interacting Supernovae: Spectra and Light Curves. , 2017, , 843-873.		6
120	Strongly Lensed Supernova Refsdal: Refining Time Delays Based on the Supernova Explosion Models. Astrophysical Journal, 2021, 907, 35.	4.5	6
121	Time-dependent thermal effects in GRB afterglows. Nuclear Physics, Section B, Proceedings Supplements, 2004, 132, 327-330.	0.4	5
122	New observations of the pulsar wind nebula in the supernova remnant CTB 80. Astronomy Letters, 2005, 31, 245-257.	1.0	5
123	The neutrino radiation of collapsing stellar cores and the neutrino burst detected from SN 1987 A. Astrophysics and Space Science, 1988, 150, 273-290.	1.4	4
124	Explosions inside Ejecta and Most Luminous Supernovae. AIP Conference Proceedings, 2008, , .	0.4	4
125	Coulomb corrections and thermo-conductivity of a dense plasma. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 075501.	2.1	4
126	Comparison of theoretical models of the dark matter distribution in low-surface-brightness galaxies with observations. Astronomy Letters, 2013, 39, 665-675.	1.0	4

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127	Oxygen emission in remnants of thermonuclear supernovae as a probe for their progenitor system. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1441-1448.	4.4	4
128	Time-dependent ionization in the envelopes of type II supernovae at the photospheric phase. Astronomy Letters, 2017, 43, 36-49.	1.0	4
129	Distance Estimate of Tychoâ€™s SNR. Journal of Physics: Conference Series, 2018, 1038, 012006.	0.4	4
130	A Rapidly Declining Transient Discovered with the Subaru/Hyper Suprime-Cam. Astrophysical Journal, 2019, 885, 13.	4.5	4
131	Quantum shell effects in compressed mesoscopic system. Physics of Plasmas, 2019, 26, 022709.	1.9	4
132	Modelling of the Early Light Curve of SN 1987A with the Multi-Group Time-Dependent Radiative Transfer. , 1991, , 213-218.		4
133	Luminous supernovae associated with ultra-long gamma-ray bursts from hydrogen-free progenitors extended by pulsational pair-instability. Astronomy and Astrophysics, 2020, 641, L10.	5.1	4
134	Analysis of the spatial distribution of gamma-ray bursts in their host galaxies. Astronomy Letters, 2005, 31, 365-374.	1.0	3
135	Interaction-Powered Supernovae as Probes of the High-Redshift Universe. , 2010, , .		3
136	Most luminous supernovae produced by shocks. Physics of Atomic Nuclei, 2010, 73, 604-608.	0.4	3
137	TeV-scale bileptons, see-saw type II and lepton flavor violation inÂcore-collapse supernova. European Physical Journal C, 2010, 67, 213-227.	3.9	3
138	Thermal emission in gamma-ray burst afterglows. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2454-2462.	4.4	3
139	Inhomogeneous Spatial Distribution of Electrons in a Compressed Gas Bubble of Submicron Size. Journal of Physics: Conference Series, 2018, 1009, 012013.	0.4	3
140	Nucleosynthesis during a Thermonuclear Supernova Explosion. Astronomy Letters, 2018, 44, 309-314.	1.0	3
141	Type II-P Supernova SN 2018aoq in NGC 4151: Light Curves, Models, and Distance. Astronomy Letters, 2021, 47, 291-306.	1.0	3
142	On the Correct Treatment of Expansion Opacity in Supernova Light Curve Calculations. , 1997, , 589-605.		3
143	X-ray emission of young SN Ia remnants as a probe for an explosion model. Advances in Space Research, 2004, 33, 392-397.	2.6	2
144	Supernovae and gamma-ray burstsâ€. Surveys in High Energy Physics, 2006, 20, 89-124.	0.6	2

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145	Heating of the circumstellar medium by gamma-ray burst prompt emission. Astronomy Letters, 2010, 36, 687-706.	1.0	2
146	Radiation hydrodynamics of supernova shock breakouts. High Energy Density Physics, 2013, 9, 17-21.	1.5	2
147	Achievements of ITEP astrophysicists. Physics-Uspekhi, 2016, 59, 796-806.	2.2	2
148	Neutron excess number and nucleosynthesis of heavy elements in a type Ia supernova explosion. JETP Letters, 2016, 103, 431-434.	1.4	2
149	Study of the Dependence of the Plateau Shape for Type II Supernovae on Metallicity. Astronomy Letters, 2020, 46, 312-318.	1.0	2
150	Light Curves of Type Ia Supernovae. Astronomy Letters, 2021, 47, 1-11.	1.0	2
151	Parameters of the type-IIP supernova SNâ€‰2012aw. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3544-3549.	4.4	2
152	Opacity of Ejecta in Calculations of Supernova Light Curves. Astronomy Letters, 2021, 47, 204-213.	1.0	2
153	Properties of Thorneâ€“Å»ytkow object explosions. Monthly Notices of the Royal Astronomical Society, 2021, 508, 74-78.	4.4	2
154	Optical and spectral observations and hydrodynamic modelling of type IIb supernovaÂ2017gpn. Monthly Notices of the Royal Astronomical Society, 2021, 501, 5797-5810.	4.4	2
155	Interacting Supernovae: Spectra and Light Curves. , 2017, , 1-31.		2
156	Supernovae and properties of matter in the densest and most rarefied states. Physics of Atomic Nuclei, 2005, 68, 814-827.	0.4	1
157	Ultraviolet-Bright Type IIP Supernovae from Massive Red Supergiants. Proceedings of the International Astronomical Union, 2011, 7, 54-57.	0.0	1
158	Electron-capture supernovae of super-asymptotic giant branch stars and the Crab supernova 1054. , 2014, , .		1
159	Heating and Nonequilibrium Distributions of Ions in a Reverse Shock Wave of the SN 1987A Remnant. Physics of Atomic Nuclei, 2018, 81, 139-145.	0.4	1
160	Modification of the radiation transfer equations to take into account NLTE effects in the simulations of supernova light curves by the radiation hydrodynamic code STELLA. Keldysh Institute Preprints, 2021, , 1-26.	0.2	1
161	Transient AT2018cow: A Scenario with an Equatorial Disk. Astronomy Letters, 2021, 47, 738-745.	1.0	1
162	Excitation of the Solar Oscillations by Objects Consisting of y-Matter. International Astronomical Union Colloquium, 1983, 66, 383-385.	0.1	0

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163	Chandrasekhar Mass Models for Type Ia Supernovae. Annals of the New York Academy of Sciences, 1995, 759, 352-355.	3.8	0
164	Models for highly flattened, rapidly rotating cool stars in a Newtonian approximation. Astronomy Reports, 2001, 45, 692-699.	0.9	0
165	Time-dependent thermal X-ray afterglows from GRBS. Advances in Space Research, 2004, 34, 2705-2710.	2.6	0
166	Exploration of SN Ia remnants in LMC. AIP Conference Proceedings, 2007, , .	0.4	0
167	Vladimir Sergeevich Imshennik (in honor of his 80th birthday). Plasma Physics Reports, 2008, 34, 885-886.	0.9	0
168	Vladimir Sergeevich Imshennik (on his 80th birthday). Physics-Uspekhi, 2008, 51, 975-976.	2.2	0
169	Population synthesis of DA white dwarfs: constraints on soft X-ray spectra evolution. , 2010, , .		0
170	Shock Breakout of Type II Plateau Supernova. Proceedings of the International Astronomical Union, 2011, 7, 413-414.	0.0	0
171	Type IIn superluminous supernovae from collision of supernova ejecta and dense circumstellar medium. , 2012, , .		0
172	High-z core-collapse supernova survey with shock breakout. , 2012, , .		0
173	Supernova bangs as a tool to study big bang. Physics of Atomic Nuclei, 2012, 75, 1091-1110.	0.4	0
174	Light Curve Modeling of Superluminous Supernovae. Proceedings of the International Astronomical Union, 2013, 9, 86-89.	0.0	0
175	Radiation Hydrodynamical Models for Type I Superluminous Supernovae: Constraints on Progenitors and Explosion Mechanisms. Proceedings of the International Astronomical Union, 2016, 12, 39-43.	0.0	0
176	Core-Collapse Supernovae in the Early Universe: Radiation Hydrodynamics Simulations of Multicolor Light Curves. Proceedings of the International Astronomical Union, 2016, 12, 451-451.	0.0	0
177	Analytical Model of Time-Dependent Ionization in the Envelopes of Type II Supernovae at the Photospheric Phase. Astronomy Letters, 2019, 45, 276-281.	1.0	0
178	Expansion opacity in laboratory conditions. Physics of Plasmas, 2021, 28, 023301.	1.9	0
179	N-body Self-consistent Stellar-halo Modeling of the Fornax Dwarf Galaxy. Astrophysical Journal, 2021, 909, 147.	4.5	0
180	CURRENT STATUS OF TYPE IA SUPERNOVAE THEORY AND THEIR ROLE IN COSMOLOGY. , 2003, , .		0

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181	Type Ia Supernova Models: Latest Developments. , 2004, , 13-28.		0
182	Radiation Hydrodynamical Models for TypeÂI Superluminous Supernovae. , 2017, , .		0
183	Optical photometry and preliminary modeling of Type IIb Supernova 2017gpn. , 2019, , .		0
184	Application of the Green Function Method for Calculating the Spatial Distribution of Electrons in the Finite System. Journal of Physics: Conference Series, 2020, 1686, 012027.	0.4	0
185	Radial Distribution of GRBs in Host Galaxies. , 2005, , 143-147.		0