

Eddie Baron

List of Publications by Year in descending order

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258
papers

12,635
citations

22153

59
h-index

29157

104
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260
all docs

260
docs citations

260
times ranked

6029
citing authors

#	ARTICLE	IF	CITATIONS
1	The Dartmouth Stellar Evolution Database. <i>Astrophysical Journal, Supplement Series</i> , 2008, 178, 89-101. The NextGen Model Atmosphere Grid for documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandmdefault{wncyr} anewcommandsfdefault{wncyss} anewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{extcyr}.	7.7	1,397
2	The NextGen Model Atmosphere Grid. II. Spherically Symmetric Model Atmospheres for Giant Stars with Effective Temperatures between 3000 and 6800 K. <i>Astrophysical Journal</i> , 1999, 525, 871-880.	4.5	930
3	Evidence for a Spectroscopic Sequence among Type Ia Supernovae. <i>Astrophysical Journal</i> , 1995, 455, .	4.5	303
5	Numerical solution of the expanding stellar atmosphere problem. <i>Journal of Computational and Applied Mathematics</i> , 1999, 109, 41-63.	2.0	276
6	The ACS Survey of Galactic Globular Clusters. II. Stellar Evolution Tracks, Isochrones, Luminosity Functions, and Synthetic Horizontal-Branch Models. <i>Astronomical Journal</i> , 2007, 134, 376-390.	4.7	247
7	In Search of the Progenitors of Type IA Supernovae. <i>Publications of the Astronomical Society of the Pacific</i> , 1995, 107, 1019.	3.1	245
8	Type II supernovae in 12Mpc and 15Mpc stars: The equation of state and general relativity. <i>Physical Review Letters</i> , 1985, 55, 126-129.	7.8	223
9	Comparative Direct Analysis of Type Ia Supernova Spectra. II. Maximum Light. <i>Publications of the Astronomical Society of the Pacific</i> , 2006, 118, 560-571.	3.1	214
10	Low-luminosity Type II supernovae: spectroscopic and photometric evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 347, 74-94.	4.4	205
11	Parallel Implementation of the PHOENIX Generalized Stellar Atmosphere Program. <i>Astrophysical Journal</i> , 1997, 483, 390-398.	4.5	204
12	Synthetic Spectra of Hydrodynamic Models of Type Ia Supernovae. <i>Astrophysical Journal</i> , 1997, 485, 812-819.	4.5	198
13	A Comparative Study of the Absolute Magnitude Distributions of Supernovae. <i>Astronomical Journal</i> , 2002, 123, 745-752.	4.7	173
14	Metallicity Effects in Non-LTE Model Atmospheres of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2000, 530, 966-976.	4.5	153
15	Direct Analysis of Spectra of Type Ib Supernovae. <i>Astrophysical Journal</i> , 2002, 566, 1005-1017.	4.5	147
16	The collapse of white dwarfs to neutron stars. <i>Astrophysical Journal</i> , 1992, 391, 228.	4.5	141
17	Early and late time VLT spectroscopy of SN 2001el - progenitor constraints for a type Ia supernova. <i>Astronomy and Astrophysics</i> , 2005, 443, 649-662.	5.1	136
18	Analysis of the Flux and Polarization Spectra of the Type Ia Supernova SN 2001el: Exploring the Geometry of the High-Velocity Ejecta. <i>Astrophysical Journal</i> , 2003, 593, 788-808.	4.5	134

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19	Supernovae and the nuclear equation of state at high densities. Nuclear Physics A, 1985, 440, 744-754.	1.5	133
20	The Carnegie Supernova Project I. Astronomy and Astrophysics, 2018, 609, A136.	5.1	121
21	Preliminary Spectral Analysis of the Type II Supernova 1999em. Astrophysical Journal, 2000, 545, 444-448.	4.5	104
22	Type IIP Supernovae as Cosmological Probes: A Spectral-fitting Expanding Atmosphere Model Distance to SN 1999em. Astrophysical Journal, 2004, 616, L91-L94.	4.5	101
23	Equation of state of dense nuclear matter. Nuclear Physics A, 1987, 464, 740-768.	1.5	91
24	Absolute Magnitude Distributions and Light Curves of Stripped-Envelope Supernovae. Astronomical Journal, 2006, 131, 2233-2244.	4.7	90
25	Comparative Direct Analysis of Type Ia Supernova Spectra. V. Insights from a Larger Sample and Quantitative Subclassification. Publications of the Astronomical Society of the Pacific, 2009, 121, 238-247.	3.1	90
26	Reading the Spectra of the Most Peculiar Type Ia Supernova 2002cx. Publications of the Astronomical Society of the Pacific, 2004, 116, 903-908.	3.1	88
27	Comprehensive observations of the bright and energetic Type Iax SN 2012Z: Interpretation as a Chandrasekhar mass white dwarf explosion. Astronomy and Astrophysics, 2015, 573, A2.	5.1	88
28	Optical Spectra of the Type Ia Supernova 1998aq. Astronomical Journal, 2003, 126, 1489-1498.	4.7	87
29	Hubble Space Telescope and Ground-based Observations of SN 1993J and SN 1998S: CNO Processing in the Progenitors. Astrophysical Journal, 2005, 622, 991-1007.	4.5	86
30	Stellar Population Models and Individual Element Abundances. I. Sensitivity of Stellar Evolution Models. Astrophysical Journal, 2007, 666, 403-412.	4.5	85
31	Non-local thermodynamic equilibrium effects in modelling of Supernovae near maximum light. Monthly Notices of the Royal Astronomical Society, 1996, 283, 297-315.	4.4	81
32	K2 Observations of SN 2018oh Reveal a Two-component Rising Light Curve for a Type Ia Supernova. Astrophysical Journal Letters, 2019, 870, L1.	8.3	80
33	Evidence for a High-Velocity Carbon-rich Layer in the Type I[CLC]a[/CLC] SN 1990N. Astrophysical Journal, 1997, 481, L89-L92.	4.5	79
34	Comparative Direct Analysis of Type Ia Supernova Spectra. I. SN 1994D. Publications of the Astronomical Society of the Pacific, 2005, 117, 545-552.	3.1	79
35	Ion Signatures in Supernova Spectra. Astrophysical Journal, Supplement Series, 1999, 121, 233-246.	7.7	78
36	Direct Analysis of Spectra of the Type Ic Supernova SN 1994I. Astrophysical Journal, 1999, 527, 746-756.	4.5	78

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37	ANALYSIS OF THE EARLY-TIME OPTICAL SPECTRA OF SN 2011fe IN M101. <i>Astrophysical Journal Letters</i> , 2012, 752, L26.	8.3	75
38	On the spectrum and nature of the peculiar Type Ia supernova 1991T. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 304, 67-74.	4.4	74
39	Distribution of epidermal growth factor receptor gene amplification in brain tumours and correlation to prognosis. <i>Journal of Neurology</i> , 1995, 242, 683-688.	3.6	73
40	The Physics of Early Nova Spectra. <i>Astrophysical Journal</i> , 1995, 447, 829.	4.5	73
41	Multiwavelength analyses of the extraordinary nova LMC 1991. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 320, 103-123.	4.4	71
42	Non-LTE Effects of N[II] in the Atmosphere of HD 209458b. <i>Astrophysical Journal</i> , 2002, 569, L51-L54.	4.5	68
43	Hydrogen and helium traces in type Ia-c supernovae. <i>Astronomy and Astrophysics</i> , 2006, 450, 305-330.	5.1	68
44	The appearance of primeval galaxies. <i>Astrophysical Journal</i> , 1987, 322, 585.	4.5	68
45	On the High-Velocity Ejecta of the Type Ia Supernova SN 1994D. <i>Astrophysical Journal</i> , 1999, 525, 881-885.	4.5	68
46	The bright Type IIP SN 2009bw, showing signs of interaction.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1122-1139.	4.4	67
47	Seeing Double: ASASSN-18bt Exhibits a Two-component Rise in the Early-time K2 Light Curve. <i>Astrophysical Journal</i> , 2019, 870, 13.	4.5	67
48	Optical and near-IR observations of the faint and fast 2008ha-like supernova 2010ae. <i>Astronomy and Astrophysics</i> , 2014, 561, A146.	5.1	65
49	STELLAR POPULATION MODELS AND INDIVIDUAL ELEMENT ABUNDANCES. II. STELLAR SPECTRA AND INTEGRATED LIGHT MODELS. <i>Astrophysical Journal</i> , 2009, 694, 902-923.	4.5	63
50	SECONDARY PARAMETERS OF TYPE Ia SUPERNOVA LIGHT CURVES. <i>Astrophysical Journal</i> , 2010, 710, 444-455.	4.5	63
51	The Effects of Fe II Non-LTE on Nova Atmospheres and Spectra. <i>Astrophysical Journal</i> , 1996, 462, 386.	4.5	63
52	Progenitors of type Ia supernovae: Binary stars with white dwarf companions. <i>New Astronomy Reviews</i> , 2007, 51, 524-538.	12.8	62
53	Statistical Connections between the Properties of Type Ia Supernovae and the B-V Colors of Their Parent Galaxies, and the Value of H ₀ . <i>Astrophysical Journal</i> , 1996, 465, 73.	4.5	62
54	Parallel Implementation of the PHOENIX Generalized Stellar Atmosphere Program. II. Wavelength Parallelization. <i>Astrophysical Journal</i> , 1998, 495, 370-376.	4.5	62

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55	Hydrogen and helium in the spectra of Type Ia supernovae. Monthly Notices of the Royal Astronomical Society, 2013, 435, 329-345.	4.4	61
56	The effect of iron core structure on supernovae. Astrophysical Journal, 1990, 353, 597.	4.5	61
57	Non-LTE spectral analysis and model constraints on SN 1993J. Astrophysical Journal, 1995, 441, 170.	4.5	61
58	On the Spectroscopic Diversity of Type I[CLC]a[/CLC] Supernovae. Astrophysical Journal, 2000, 543, L49-L52.	4.5	61
59	Type II supernovae from prompt explosions. Physical Review Letters, 1987, 59, 736-739.	7.8	60
60	Photometric and Spectroscopic Properties of Type Ia Supernova 2018oh with Early Excess Emission from the Kepler 2 Observations. Astrophysical Journal, 2019, 870, 12.	4.5	60
61	Non-TE Synthetic Spectral Fits to the Type Ia Supernova 1994D in NGC 4526. Astrophysical Journal, 2001, 557, 266-278.	4.5	59
62	Two transitional type Ia supernovae located in the Fornax cluster member NGC 1404: SN 2007on and SN 2011iv. Astronomy and Astrophysics, 2018, 611, A58.	5.1	57
63	Predicting the Extreme Ultraviolet Radiation Environment of Exoplanets around Low-mass Stars: The TRAPPIST-1 System. Astrophysical Journal, 2019, 871, 235.	4.5	57
64	Neutrino flows in collapsing stars - A two-fluid model. Astrophysical Journal, 1986, 309, 653.	4.5	57
65	Detailed Non-TE Model Atmospheres for Novae during Outburst. I. New Theoretical Results. Astrophysical Journal, 1997, 490, 803-818.	4.5	56
66	SN 1998A: explosion of a blue supergiant. Monthly Notices of the Royal Astronomical Society, 2005, 360, 950-962.	4.4	56
67	Carnegie Supernova Project-II: Extending the Near-infrared Hubble Diagram for Type Ia Supernovae to $z < 0.1$. Publications of the Astronomical Society of the Pacific, 2019, 131, 014001.	3.1	56
68	Carnegie Supernova Project-II: The Near-infrared Spectroscopy Program. Publications of the Astronomical Society of the Pacific, 2019, 131, 014002.	3.1	55
69	Modeling the Hubble Space Telescope Ultraviolet and Optical Spectrum of Spot 1 on the Circumstellar Ring of SN 1987A. Astrophysical Journal, 2002, 572, 906-931.	4.5	54
70	Light Curve Studies of SN 1993J and SN 1994I. Astrophysical Journal, 1995, 449, .	4.5	52
71	Atmospheric analysis of the M/L and M/T dwarf binary systems LHS 102 and Gliese 229. Monthly Notices of the Royal Astronomical Society, 2002, 332, 78-90.	4.4	50
72	Strangeness, condensation, nucleon superfluidity, and cooling of neutron stars. Astrophysical Journal, 1990, 354, L17.	4.5	50

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73	Nearby Supernova Factory Observations of SN 2006D: On Sporadic Carbon Signatures in Early Type Ia Supernova Spectra. <i>Astrophysical Journal</i> , 2007, 654, L53-L56.	4.5	49
74	EVIDENCE FOR TYPE Ia SUPERNOVA DIVERSITY FROM ULTRAVIOLET OBSERVATIONS WITH THE HUBBLE SPACE TELESCOPE. <i>Astrophysical Journal</i> , 2012, 749, 126.	4.5	49
75	Red versus Blue: Early Observations of Thermonuclear Supernovae Reveal Two Distinct Populations?. <i>Astrophysical Journal Letters</i> , 2018, 864, L35.	8.3	49
76	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.	4.4	48
77	SN 2012fr: Ultraviolet, Optical, and Near-infrared Light Curves of a Type Ia Supernova Observed within a Day of Explosion*. <i>Astrophysical Journal</i> , 2018, 859, 24.	4.5	48
78	SN 2019ehk: A Double-peaked Ca-rich Transient with Luminous X-Ray Emission and Shock-ionized Spectral Features. <i>Astrophysical Journal</i> , 2020, 898, 166.	4.5	48
79	Detailed Spectroscopic Analysis of SN 1987A: The Distance to the Large Magellanic Cloud Using the Spectral Fitting Expanding Atmosphere Method. <i>Astrophysical Journal</i> , 2002, 574, 293-305.	4.5	47
80	EVIDENCE FOR ACTIVE GALACTIC NUCLEUS FEEDBACK IN THE BROAD ABSORPTION LINES AND REDDENING OF MRK 231. <i>Astrophysical Journal</i> , 2014, 788, 123.	4.5	47
81	Shock waves and nucleosynthesis in type II supernovae. <i>Astrophysical Journal</i> , 1991, 370, 630.	4.5	45
82	A 3D radiative transfer framework. <i>Astronomy and Astrophysics</i> , 2006, 451, 273-284.	5.1	44
83	Neutrino pair energy deposition in supernovae. <i>Astrophysical Journal</i> , 1987, 321, L129.	4.5	44
84	Rotation of stars containing strange quark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 243, 175-180.	4.1	42
85	Parallel Implementation of the PHOENIX Generalized Stellar Atmosphere Program. III. A Parallel Algorithm for Direct Opacity Sampling. <i>Astrophysical Journal, Supplement Series</i> , 2001, 134, 323-329.	7.7	41
86	Non-Local Thermodynamic Equilibrium Effects of Tiiin M Dwarfs and Giants. <i>Astrophysical Journal</i> , 1997, 488, 428-442.	4.5	41
87	FUSE Observation of the Narrow-Line Seyfert 1 Galaxy RE 1034+39: Dependence of Broad Emission Line Strengths on the Shape of the Photoionizing Spectrum. <i>Astrophysical Journal</i> , 2006, 637, 157-182.	4.5	40
88	preliminary spectral analysis of SN 1994I. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 279, 799-803.	4.4	39
89	Hydrogen in Type Ic Supernovae?. <i>Publications of the Astronomical Society of the Pacific</i> , 2006, 118, 791-796.	3.1	39
90	Comparative Direct Analysis of Type Ia Supernova Spectra. IV. Postmaximum. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 135-149.	3.1	39

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91	Modeling and interpretation of the optical and HST UV spectrum of SN 1993J. <i>Astrophysical Journal</i> , 1994, 426, 334.	4.5	39
92	Spectral Modeling of SNe Ia Near Maximum Light: Probing the Characteristics of Hydrodynamical Models. <i>Astrophysical Journal</i> , 2006, 645, 480-487.	4.5	36
93	Type Ia Supernova Spectral Line Ratios as Luminosity Indicators. <i>Astrophysical Journal</i> , 2006, 647, 513-524.	4.5	36
94	Spectral Consequences of Deviation from Spherical Composition Symmetry in Type Ia Supernovae. <i>Astrophysical Journal</i> , 2002, 567, 1037-1042.	4.5	36
95	The Spectral Energy Distribution and Mass Loss Rate of the α -Type Supergiant Deneb. <i>Astrophysical Journal</i> , 2002, 570, 344-368.	4.5	36
96	On the Geometry of the High-Velocity Ejecta of the Peculiar Type Ia Supernova 2000cx. <i>Astrophysical Journal</i> , 2004, 601, 1019-1030.	4.5	35
97	A 3D radiative transfer framework. <i>Astronomy and Astrophysics</i> , 2007, 468, 255-261.	5.1	35
98	Evidence for a Chandrasekhar-mass explosion in the Ca-strong 1991bg-like type Ia supernova 2016hmk. <i>Astronomy and Astrophysics</i> , 2019, 630, A76.	5.1	35
99	Direct Analysis of Spectra of the Peculiar Type Ia Supernova 2000cx. <i>Astrophysical Journal</i> , 2004, 606, 413-423.	4.5	32
100	Direct Analysis of Spectra of the Unusual Type Ib Supernova 2005bf. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 135-142.	3.1	32
101	Predicting the Extreme Ultraviolet Radiation Environment of Exoplanets around Low-mass Stars: CJ 832, CJ 176, and CJ 436. <i>Astrophysical Journal</i> , 2019, 886, 77.	4.5	32
102	Low Hubble Constant from the Physics of Type Ia Supernovae. <i>Physical Review Letters</i> , 1995, 75, 394-397.	7.8	31
103	A Spherical Non-LTE Line-blanketed Stellar Atmosphere Model of the Early B Giant μ Canis Majoris. <i>Astrophysical Journal</i> , 1998, 498, 837-850.	4.5	30
104	SN 2018zd: an unusual stellar explosion as part of the diverse Type II Supernova landscape. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 84-100.	4.4	30
105	Interpretation of the Early Spectra of SN 1993J in M81. <i>Astrophysical Journal</i> , 1993, 416, L21.	4.5	30
106	Convergence properties of the accelerated \hat{L} -iteration method for the solution of radiative transfer problems. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1994, 51, 875-891.	2.3	29
107	<i>GALEX</i> Spectroscopy of SN 2005ay Suggests Ultraviolet Spectral Uniformity among Type II-P Supernovae. <i>Astrophysical Journal</i> , 2008, 685, L117-L120.	4.5	29
108	A 3D radiative transfer framework. <i>Astronomy and Astrophysics</i> , 2010, 509, A36.	5.1	29

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109	Spectrum synthesis of the Type Ia supernovae SN 1992A and SN 1981B. <i>Astrophysical Journal</i> , 1995, 441, L33.	4.5	29
110	Analysis of Type IIc SN 1998S: Effects of Circumstellar Interaction on Observed Spectra. <i>Astrophysical Journal</i> , 2001, 547, 406-411.	4.5	29
111	Reddening, Abundances, and Line Formation in SNe II. <i>Astrophysical Journal</i> , 2007, 662, 1148-1155.	4.5	28
112	NEAR-INFRARED LINE IDENTIFICATION IN TYPE Ia SUPERNOVAE DURING THE TRANSITIONAL PHASE. <i>Astrophysical Journal</i> , 2014, 792, 120.	4.5	28
113	Improved discretization of the wavelength derivative term in CMF operator splitting numerical radiative transfer. <i>Astronomy and Astrophysics</i> , 2004, 417, 317-324.	5.1	28
114	SN 1984A and Delayed O Detonation Models of Type Ia Supernovae. <i>Astrophysical Journal</i> , 2001, 547, 402-405.	4.5	28
115	Observations of SN 2017ein Reveal Shock Breakout Emission and a Massive Progenitor Star for a Type Ic Supernova. <i>Astrophysical Journal</i> , 2019, 871, 176.	4.5	27
116	Radiative transfer in the comoving frame. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 278, 763-772.	4.4	26
117	Comparative Direct Analysis of Type Ia Supernova Spectra. III. Premaximum. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 709-721.	3.1	25
118	General relativistic neutrino transport in stellar collapse. <i>Astrophysical Journal</i> , 1989, 339, 978.	4.5	25
119	Neutrinos from supernova 1987A. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 196, 259-266.	4.1	24
120	Non-LTE treatment of Fe II in astrophysical plasmas. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1995, 54, 987-999.	2.3	24
121	A PHYSICAL MODEL FOR SN 2001ay, A NORMAL, BRIGHT, EXTREMELY SLOW DECLINING TYPE Ia SUPERNOVA. <i>Astrophysical Journal</i> , 2012, 753, 105.	4.5	24
122	Non-LTE Treatment of Molecules in the Photospheres of Cool Stars. <i>Astrophysical Journal</i> , 2000, 541, 1004-1015.	4.5	24
123	Carnegie Supernova Project II: The Slowest Rising Type Ia Supernova LSQ14fmg and Clues to the Origin of Super-Chandrasekhar/03fg-like Events*. <i>Astrophysical Journal</i> , 2020, 900, 140.	4.5	24
124	The exceptionally bright Type Ib supernova 1991D. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 336, 91-96.	4.4	23
125	Collapsing white dwarfs. <i>Astrophysical Journal</i> , 1987, 320, 304.	4.5	23
126	^{56}Ni Mixing in the Outer Layers of SN 1987A. <i>Astrophysical Journal</i> , 2001, 556, 979-986.	4.5	23

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127	Detectability of Mixed Unburnt C+O in Type Ia Supernova Spectra. <i>Astrophysical Journal</i> , 2003, 588, L29-L32.	4.5	22
128	A Speed Bump: SN 2021aefx Shows that Doppler Shift Alone Can Explain Early Excess Blue Flux in Some Type Ia Supernovae. <i>Astrophysical Journal Letters</i> , 2022, 932, L2.	8.3	22
129	A non-local thermodynamic equilibrium spherical line-blanketed stellar atmosphere model of the early B giant \hat{A} CMa. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 302, 599-611.	4.4	21
130	Discovery and progenitor constraints on the Type Ia supernova 2013gy. <i>Astronomy and Astrophysics</i> , 2019, 627, A174.	5.1	21
131	Collapse of 9 solar mass stars. <i>Astrophysical Journal</i> , 1987, 320, 300.	4.5	21
132	Massive Multispecies, Multilevel Non-LTE Model Atmospheres for Novae in Outburst. <i>Astrophysical Journal</i> , 1999, 525, 375-385.	4.5	21
133	Multiply charged ion source. <i>Nuclear Instruments & Methods</i> , 1975, 124, 157-160.	1.2	20
134	Non-LTE model atmosphere analysis of the early ultraviolet spectra of Nova OS Andromedae 1986. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 284, 669-684.	4.4	20
135	Multilayered Spectral Formation in Type Ia Supernovae around Maximum Light. <i>Astrophysical Journal</i> , 2008, 687, 456-465.	4.5	20
136	Carnegie Supernova Project-II: Using Near-infrared Spectroscopy to Determine the Location of the Outer ^{56}Ni in Type Ia Supernovae. <i>Astrophysical Journal Letters</i> , 2019, 875, L14.	8.3	20
137	Progenitor masses of Type Ib/c supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 255, 267-268.	4.4	19
138	SEARCHING FOR HYDROGEN IN TYPE Ib SUPERNOVAE. <i>Astrophysical Journal</i> , 2010, 718, 957-962.	4.5	19
139	Time-dependent radiative transfer with PHOENIX. <i>Astronomy and Astrophysics</i> , 2009, 502, 1043-1049.	5.1	19
140	On van den Bergh's Method for Measuring the Hubble Constant from Type Ia Supernovae. <i>Astrophysical Journal</i> , 1996, 470, L7-L9.	4.5	18
141	Carnegie Supernova Project: The First Homogeneous Sample of Super-Chandrasekhar-mass/2003fg-like Type Ia Supernovae. <i>Astrophysical Journal</i> , 2021, 922, 205.	4.5	18
142	EFFECTS OF KERR STRONG GRAVITY ON QUASAR X-RAY MICROLENSING. <i>Astrophysical Journal</i> , 2013, 769, 131.	4.5	17
143	THEORETICAL CLUES TO THE ULTRAVIOLET DIVERSITY OF TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2015, 809, 37.	4.5	17
144	Bolometric Light Curves of Peculiar Type II-P Supernovae. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 044202.	3.1	17

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145	Carnegie Supernova Project-II: A New Method to Photometrically Identify Sub-types of Extreme Type Ia Supernovae. <i>Astrophysical Journal Letters</i> , 2020, 895, L3.	8.3	17
146	Optical Spectra of Supernovae. <i>Lecture Notes in Physics</i> , 2003, , 47-75.	0.7	17
147	Theoretical light curves of type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2011, 528, A141.	5.1	17
148	Carnegie Supernova Project-II: Near-infrared Spectroscopy of Stripped-envelope Core-collapse Supernovae*. <i>Astrophysical Journal</i> , 2022, 925, 175.	4.5	17
149	The Beam-Stripper Interaction Studies for GANIL. <i>IEEE Transactions on Nuclear Science</i> , 1979, 26, 2411-2413.	2.0	16
150	Limits on Pauli principle violation by nucleons. <i>Physical Review D</i> , 1999, 59, .	4.7	16
151	Radiative accelerations in stellar atmospheres. <i>Astronomy and Astrophysics</i> , 2002, 381, 197-208.	5.1	16
152	On the spectrum of the peculiar type Ia supernova 1997br and the nature of -like events. <i>New Astronomy</i> , 2002, 7, 441-448.	1.8	16
153	On the hydrogen recombination time in Type II supernova atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2081-2092.	4.4	16
154	Carnegie Supernova Project-II: Near-infrared Spectroscopic Diversity of Type II Supernovae. <i>Astrophysical Journal</i> , 2019, 887, 4.	4.5	16
155	SN 2018hti: a nearby superluminous supernova discovered in a metal-poor galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 318-335.	4.4	16
156	Determination of Primordial Metallicity and Mixing in the Type IIâ€P Supernova 1993W. <i>Astrophysical Journal</i> , 2003, 586, 1199-1210.	4.5	15
157	SN 2014J at M82 â€“ I. A middle-class Type Ia supernova by all spectroscopic metrics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 525-537.	4.4	15
158	Co-moving frame radiative transfer in spherical media with arbitrary velocity fields. <i>Astronomy and Astrophysics</i> , 2004, 427, 987-994.	5.1	15
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