

Bruno Leibundgut

List of Publications by Year in descending order

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51
papers

19,354
citations

159358

30
h-index

197535

49
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51
all docs

51
docs citations

51
times ranked

9404
citing authors

#	ARTICLE	IF	CITATIONS
1	Observational Evidence from Supernovae for an Accelerating Universe and a Cosmological Constant. <i>Astronomical Journal</i> , 1998, 116, 1009-1038.	1.9	14,196
2	The High-Redshift Supernova Search: Measuring Cosmic Deceleration and Global Curvature of the Universe Using Type Ia Supernovae. <i>Astrophysical Journal</i> , 1998, 507, 46-63.	1.6	1,194
3	Observational Constraints on the Nature of Dark Energy: First Cosmological Results from the ESSENCE Supernova Survey. <i>Astrophysical Journal</i> , 2007, 666, 694-715.	1.6	742
4	Scrutinizing Exotic Cosmological Models Using ESSENCE Supernova Data Combined with Other Cosmological Probes. <i>Astrophysical Journal</i> , 2007, 666, 716-725.	1.6	497
5	The ESSENCE Supernova Survey: Survey Optimization, Observations, and Supernova Photometry. <i>Astrophysical Journal</i> , 2007, 666, 674-693.	1.6	289
6	SN 1991bg - A type Ia supernova with a difference. <i>Astronomical Journal</i> , 1993, 105, 301.	1.9	265
7	SN 1991T - Further evidence of the heterogeneous nature of type Ia supernovae. <i>Astronomical Journal</i> , 1992, 103, 1632.	1.9	251
8	Cosmological Implications from Observations of Type Ia Supernovae. <i>Annual Review of Astronomy and Astrophysics</i> , 2001, 39, 67-98.	8.1	221
9	Measuring the Hubble constant with Type Ia supernovae as near-infrared standard candles. <i>Astronomy and Astrophysics</i> , 2018, 609, A72.	2.1	136
10	Constraints on the progenitor systems of type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2006, 450, 241-251.	2.1	126
11	Supernova Cosmology: Legacy and Future. <i>Annual Review of Nuclear and Particle Science</i> , 2011, 61, 251-279.	3.5	87
12	Time Dilation in the Light Curve of the Distant Type Ia Supernova SN 1995K. <i>Astrophysical Journal</i> , 1996, 466, L21-L24.	1.6	84
13	Lower limits on the Hubble constant from models of type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2005, 431, 423-431.	2.1	83
14	Time Dilation from Spectral Feature Age Measurements of Type Ia Supernovae. <i>Astronomical Journal</i> , 1997, 114, 722.	1.9	69
15	Evidence for Ni-56 yields Co-56 yields Fe-56 decay in type Ia supernovae. <i>Astrophysical Journal</i> , 1994, 426, L89.	1.6	67
16	X-ray illumination of the ejecta of supernova 1987A. <i>Nature</i> , 2011, 474, 484-486.	18.7	64
17	The 3-D structure of SN 1987A's inner ejecta. <i>Astronomy and Astrophysics</i> , 2010, 517, A51.	2.1	59
18	Spectroscopy of High-Redshift Supernovae from the ESSENCE Project: The First 2 Years. <i>Astronomical Journal</i> , 2005, 129, 2352-2375.	1.9	58

#	ARTICLE	IF	CITATIONS
19	Time Dilation in Type Ia Supernova Spectra at High Redshift. <i>Astrophysical Journal</i> , 2008, 682, 724-736.	1.6	55
20	A comparative study of Type II-P and II-L supernova rise times as exemplified by the case of LSQ13cuw. <i>Astronomy and Astrophysics</i> , 2015, 582, A3.	2.1	55
21	Modeling the Hubble Space Telescope Ultraviolet and Optical Spectrum of Spot 1 on the Circumstellar Ring of SN 1987A. <i>Astrophysical Journal</i> , 2002, 572, 906-931.	1.6	54
22	THE DESTRUCTION OF THE CIRCUMSTELLAR RING OF SN 1987A. <i>Astrophysical Journal Letters</i> , 2015, 806, L19.	3.0	51
23	THREE-DIMENSIONAL DISTRIBUTION OF EJECTA IN SUPERNOVA 1987A AT 10,000 DAYS. <i>Astrophysical Journal</i> , 2016, 833, 147.	1.6	48
24	THE MORPHOLOGY OF THE EJECTA IN SUPERNOVA 1987A: A STUDY OVER TIME AND WAVELENGTH. <i>Astrophysical Journal</i> , 2013, 768, 89.	1.6	45
25	SPECTROSCOPY OF HIGH-REDSHIFT SUPERNOVAE FROM THE ESSENCE PROJECT: THE FIRST FOUR YEARS. <i>Astronomical Journal</i> , 2009, 137, 3731-3742.	1.9	39
26	LATE SPECTRAL EVOLUTION OF THE EJECTA AND REVERSE SHOCK IN SN 1987A. <i>Astrophysical Journal</i> , 2013, 768, 88.	1.6	39
27	Time evolution of the line emission from the inner circumstellar ring of SN 1987A and its hot spots. <i>Astronomy and Astrophysics</i> , 2008, 492, 481-491.	2.1	36
28	Optical and near infrared observations of SN 1987A. <i>Astronomy and Astrophysics</i> , 2004, 426, 547-553.	2.1	36
29	The 30 Year Search for the Compact Object in SN 1987A. <i>Astrophysical Journal</i> , 2018, 864, 174.	1.6	34
30	Supernovae and cosmology. <i>General Relativity and Gravitation</i> , 2008, 40, 221-248.	0.7	31
31	Two classes of fast-declining Type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2017, 602, A118.	2.1	28
32	High resolution spectroscopy of the inner ring of SN 1987A. <i>Astronomy and Astrophysics</i> , 2008, 479, 761-777.	2.1	26
33	Near-infrared light curves of Type Ia supernovae: studying properties of the second maximum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 1345-1359.	1.6	26
34	DISCOVERY OF MOLECULAR HYDROGEN IN SN 1987A. <i>Astrophysical Journal Letters</i> , 2016, 821, L5.	3.0	26
35	Extracting clean supernova spectra. <i>Astronomy and Astrophysics</i> , 2005, 431, 757-771.	2.1	26
36	Nebular spectroscopy of SN 2014J: Detection of stable nickel in near-infrared spectra. <i>Astronomy and Astrophysics</i> , 2018, 619, A102.	2.1	21

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37	Search for Surviving Companions of Progenitors of Young LMC SN Ia Remnants. <i>Astrophysical Journal</i> , 2019, 886, 99.	1.6	21
38	The Matter Beyond the Ring: The Recent Evolution of SN 1987A Observed by the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2019, 886, 147.	1.6	21
39	LIGHT CURVES OF 213 TYPE Ia SUPERNOVAE FROM THE ESSENCE SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2016, 224, 3.	3.0	20
40	A reddening-free method to estimate the ^{56}Ni mass of Type Ia supernovae. <i>Astronomy and Astrophysics</i> , 2016, 588, A84.	2.1	19
41	Cosmic nucleosynthesis: A multi-messenger challenge. <i>Progress in Particle and Nuclear Physics</i> , 2022, 127, 103983.	5.6	18
42	Type Ia supernovae as a few-parameter family. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3609-3627.	1.6	16
43	An updated Type II supernova Hubble diagram. <i>Astronomy and Astrophysics</i> , 2018, 611, A25.	2.1	15
44	Applying the expanding photosphere and standardized candle methods to Type II-Plateau supernovae at cosmologically significant redshifts. <i>Astronomy and Astrophysics</i> , 2016, 592, A129.	2.1	15
45	Infrared integral field spectroscopy of SN 1987A. <i>Astronomy and Astrophysics</i> , 2007, 471, 617-624.	2.1	12
46	A Three-dimensional View of Molecular Hydrogen in SN 1987A. <i>Astrophysical Journal</i> , 2019, 873, 15.	1.6	9
47	Standardizing Type Ia supernovae optical brightness using near-infrared rebrightening time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4311-4316.	1.6	8
48	Type Ia Supernova Cosmology. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	8
49	Forbidden Line Emission from Type Ia Supernova Remnants Containing Balmer-dominated Shells. <i>Astrophysical Journal</i> , 2021, 923, 141.	1.6	6
50	History of Supernovae as Distance Indicators. , 2016, , 1-17.		2
51	Type Ia Supernova Cosmology. <i>Space Sciences Series of ISSI</i> , 2019, , 7-20.	0.0	0