Bruce A Bassett

List of Publications by Year
in descending order

64	7,127	109321	149698
papers	citations	35	56
		h-index	g-index

66	66	66	4063
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmological constraints from the SDSS luminous red galaxies. Physical Review D, 2006, 74, .	4.7	1,132
2	Inflation dynamics and reheating. Reviews of Modern Physics, 2006, 78, 537-589.	45.6	778
3	Adiabatic and entropy perturbations from inflation. Physical Review D, 2000, 63, .	4.7	581
4	FIRST-YEAR SLOAN DIGITAL SKY SURVEY-II SUPERNOVA RESULTS: HUBBLE DIAGRAM AND COSMOLOGICAL PARAMETERS. Astrophysical Journal, Supplement Series, 2009, 185, 32-84.	7.7	565
5	Chaotic inflation on the brane. Physical Review D, 2000, 62, .	4.7	419
6	THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY: TECHNICAL SUMMARY. Astronomical Journal, 2008, 135, 338-347.	4.7	377
7	A General Test of the Copernican Principle. Physical Review Letters, 2008, 101, 011301.	7.8	202
8	THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY: SEARCH ALGORITHM AND FOLLOW-UP OBSERVATIONS. Astronomical Journal, 2008, 135, 348-373.	4.7	191
9	The Essence of Quintessence and the Cost of Compression. Astrophysical Journal, 2004, 617, L1-L4.	4.5	170
10	THE SLOAN DIGITAL SKY SURVEY-II: PHOTOMETRY AND SUPERNOVA IA LIGHT CURVES FROM THE 2005 DATA. Astronomical Journal, 2008, 136, 2306-2320.	4.7	168
11	Cosmic distance-duality as a probe of exotic physics and acceleration. Physical Review D, 2004, 69, .	4.7	165
12	Dynamical dark energy or simply cosmic curvature?. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 011-011.	5.4	161
13	General relativistic effects in preheating. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 455, 84-89.	4.1	138
14	A Measurement of the Quadrupole Power Spectrum in the Clustering of the 2dF QSO Survey. Publication of the Astronomical Society of Japan, 2006, 58, 93-102.	2.5	130
15	Results from the Supernova Photometric Classification Challenge. Publications of the Astronomical Society of the Pacific, 2010, 122, 1415-1431.	3.1	130
16	Metric preheating and limitations of linearized gravity. Nuclear Physics B, 1999, 561, 188-240.	2.5	121
17	PHOTOMETRIC TYPE Ia SUPERNOVA CANDIDATES FROM THE THREE-YEAR SDSS-II SN SURVEY DATA. Astrophysical Journal, 2011, 738, 162.	4.5	115
18	IMPROVED CONSTRAINTS ON TYPE Ia SUPERNOVA HOST GALAXY PROPERTIES USING MULTI-WAVELENGTH PHOTOMETRY AND THEIR CORRELATIONS WITH SUPERNOVA PROPERTIES. Astrophysical Journal, 2011, 740, 92.	4.5	97

#	Article	IF	Citations
19	COSMOLOGY WITH PHOTOMETRICALLY CLASSIFIED TYPE Ia SUPERNOVAE FROM THE SDSS-II SUPERNOVA SURVEY. Astrophysical Journal, 2013, 763, 88.	4.5	96
20	THE EFFECT OF PECULIAR VELOCITIES ON SUPERNOVA COSMOLOGY. Astrophysical Journal, 2011, 741, 67.	4.5	93
21	Massless metric preheating. Physical Review D, 2000, 62, .	4.7	87
22	Universal fitting formulae for baryon oscillation surveys. Monthly Notices of the Royal Astronomical Society, 2006, 365, 255-264.	4.4	81
23	Correlation-consistency cartography of the double-inflation landscape. Physical Review D, 2003, 67, .	4.7	78
24	Geometrodynamics of variable-speed-of-light cosmologies. Physical Review D, 2000, 62, .	4.7	66
25	Preheatingâ€"cosmic magnetic dynamo?. Physical Review D, 2001, 63, .	4.7	63
26	Inflationary preheating and primordial black holes. Physical Review D, 2001, 63, .	4.7	61
27	Mapping the dark energy with varying alpha. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 235-240.	4.1	60
28	Bayesian estimation applied to multiple species. Physical Review D, 2007, 75, .	4.7	51
29	When can preheating affect the CMB?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 536, 9-17.	4.1	49
30	Testing for double inflation with WMAP. Physical Review D, 2005, 71, .	4.7	47
31	Are black holes overproduced during preheating?. Physical Review D, 2005, 71, .	4.7	45
32	Condensate cosmology: Dark energy from dark matter. Physical Review D, 2003, 68, .	4.7	43
33	Baryon acoustic oscillations. , 2010, , 246-278.		42
34	Sounding the dark cosmos. Astronomy and Geophysics, 2005, 46, 5.26-5.29.	0.2	41
35	Machine learning classification of SDSS transient survey images. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2026-2038.	4.4	41
36	A MISMATCH IN THE ULTRAVIOLET SPECTRA BETWEEN LOW-REDSHIFT AND INTERMEDIATE-REDSHIFT TYPE Ia SUPERNOVAE AS A POSSIBLE SYSTEMATIC UNCERTAINTY FOR SUPERNOVA COSMOLOGY. Astronomical Journal, 2012, 143, 113.	4.7	39

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37	PHOTOMETRIC SUPERNOVA COSMOLOGY WITH BEAMS AND SDSS-II. Astrophysical Journal, 2012, 752, 79.	4.5	36
38	Astronomaly: Personalised active anomaly detection in astronomical data. Astronomy and Computing, 2021, 36, 100481.	1.7	36
39	Multi-field fermionic preheating. Journal of High Energy Physics, 2000, 2000, 019-019.	4.7	30
40	Black hole production in tachyonic preheating. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 001-001.	5.4	28
41	Optimizing cosmological surveys in a crowded market. Physical Review D, 2005, 71, .	4.7	26
42	FISHER MATRIX PRELOADED â€" FISHER4CAST. International Journal of Modern Physics D, 2011, 20, 2559-2598.	2.1	26
43	Inflationary Reheating in Grand Unified Theories. Physical Review Letters, 1998, 81, 2630-2633.	7.8	24
44	Searching for modified gravity with baryon oscillations: From SDSS to wide field multiobject spectroscopy (WFMOS). Physical Review D, 2006, 74, .	4.7	23
45	Dark energy degeneracies in the background dynamics. General Relativity and Gravitation, 2008, 40, 285-300.	2.0	23
46	Is the dynamics of scaling dark energy detectable?. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 007.	5.4	21
47	Optimizing baryon acoustic oscillation surveys - II. Curvature, redshifts and external data sets. Monthly Notices of the Royal Astronomical Society, 2010, 401, 2169-2180.	4.4	19
48	Application of Bayesian graphs to SN Ia data analysis and compression. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1651-1665.	4.4	15
49	How flat is our Universe really?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 1-4.	4.1	14
50	zBEAMS: a unified solution for supernova cosmology with redshift uncertainties. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 036-036.	5.4	14
51	Fundamental uncertainty in the BAO scale from isocurvature modes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 433-437.	4.1	12
52	Perturbative superluminal censorship and the null energy condition. , 1999, , .		11
53	Fermion production from preheating-amplified metric perturbations. Nuclear Physics B, 2002, 622, 393-415.	2.5	11
54	Extending BEAMS to incorporate correlated systematic uncertainties. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 039-039.	5.4	11

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55	Radio frequency interference detection using machine learning. , 2016, , .		9
56	Detecting gravitational waves using entangled photon states. Physical Review A, 2008, 78, .	2.5	5
57	Radiative constraints on brane quintessence. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 010-010.	5.4	2
58	Machine learning for radio frequency interference mitigation using polarization. , 2017, , .		2
59	Bayesian Anomaly Detection and Classification for Noisy Data. Advances in Intelligent Systems and Computing, 2021, , 426-435.	0.6	2
60	Bayesian anomaly detection and classification for noisy data. International Journal of Hybrid Intelligent Systems, 2021, 16, 207-222.	1.2	1
61	BEAMS: Separating the Wheat from the Chaff in Supernova Analysis. , 2013, , 63-86.		1
62	Machine Classification of Transient Images. Proceedings of the International Astronomical Union, 2014, 10, 288-291.	0.0	0
63	Bayesian Inference for Radio Observations - Going beyond deconvolution. Proceedings of the International Astronomical Union, 2014, 10, 185-188.	0.0	0
64	THIRTEEN BILLION YEARS IN HALF AN HOUR. Series on Iraq War and Its Consequences, 2005, , 3-17.	0.1	0