

# Bruce A Bassett

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

7,127  
citations

109321

35  
h-index

149698

56  
g-index

66  
all docs

66  
docs citations

66  
times ranked

4063  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian anomaly detection and classification for noisy data. International Journal of Hybrid Intelligent Systems, 2021, 16, 207-222.	1.2	1
2	Astronomy: Personalised active anomaly detection in astronomical data. Astronomy and Computing, 2021, 36, 100481.	1.7	36
3	Bayesian Anomaly Detection and Classification for Noisy Data. Advances in Intelligent Systems and Computing, 2021, , 426-435.	0.6	2
4	Machine learning for radio frequency interference mitigation using polarization. , 2017, , .		2
5	zBEAMS: a unified solution for supernova cosmology with redshift uncertainties. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 036-036.	5.4	14
6	Radio frequency interference detection using machine learning. , 2016, , .		9
7	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
8	Machine learning classification of SDSS transient survey images. Monthly Notices of the Royal Astronomical Society, 2015, 454, 2026-2038.	4.4	41
9	Machine Classification of Transient Images. Proceedings of the International Astronomical Union, 2014, 10, 288-291.	0.0	0
10	Bayesian Inference for Radio Observations - Going beyond deconvolution. Proceedings of the International Astronomical Union, 2014, 10, 185-188.	0.0	0
11	How flat is our Universe really?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 1-4.	4.1	14
12	Extending BEAMS to incorporate correlated systematic uncertainties. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 039-039.	5.4	11
13	COSMOLOGY WITH PHOTOMETRICALLY CLASSIFIED TYPE Ia SUPERNOVAE FROM THE SDSS-II SUPERNOVA SURVEY. Astrophysical Journal, 2013, 763, 88.	4.5	96
14	BEAMS: Separating the Wheat from the Chaff in Supernova Analysis. , 2013, , 63-86.		1
15	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
16	PHOTOMETRIC SUPERNOVA COSMOLOGY WITH BEAMS AND SDSS-II. Astrophysical Journal, 2012, 752, 79.	4.5	36
17	FISHER MATRIX PRELOADED " FISHER4CAST. International Journal of Modern Physics D, 2011, 20, 2559-2598.	2.1	26
18	PHOTOMETRIC TYPE Ia SUPERNOVA CANDIDATES FROM THE THREE-YEAR SDSS-II SN SURVEY DATA. Astrophysical Journal, 2011, 738, 162.	4.5	115

#	ARTICLE	IF	CITATIONS
19	IMPROVED CONSTRAINTS ON TYPE Ia SUPERNOVA HOST GALAXY PROPERTIES USING MULTI-WAVELENGTH PHOTOMETRY AND THEIR CORRELATIONS WITH SUPERNOVA PROPERTIES. <i>Astrophysical Journal</i> , 2011, 740, 92.	4.5	97
20	THE EFFECT OF PECULIAR VELOCITIES ON SUPERNOVA COSMOLOGY. <i>Astrophysical Journal</i> , 2011, 741, 67.	4.5	93
21	Fundamental uncertainty in the BAO scale from isocurvature modes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 696, 433-437.	4.1	12
22	Optimizing baryon acoustic oscillation surveys - II. Curvature, redshifts and external data sets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 401, 2169-2180.	4.4	19
23	Baryon acoustic oscillations. , 2010, , 246-278.		42
24	Results from the Supernova Photometric Classification Challenge. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1415-1431.	3.1	130
25	FIRST-YEAR SLOAN DIGITAL SKY SURVEY-II SUPERNOVA RESULTS: HUBBLE DIAGRAM AND COSMOLOGICAL PARAMETERS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 185, 32-84.	7.7	565
26	Dark energy degeneracies in the background dynamics. <i>General Relativity and Gravitation</i> , 2008, 40, 285-300.	2.0	23
27	THE SLOAN DIGITAL SKY SURVEY-II: PHOTOMETRY AND SUPERNOVA IA LIGHT CURVES FROM THE 2005 DATA. <i>Astronomical Journal</i> , 2008, 136, 2306-2320.	4.7	168
28	Is the dynamics of scaling dark energy detectable?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 007.	5.4	21
29	THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY: SEARCH ALGORITHM AND FOLLOW-UP OBSERVATIONS. <i>Astronomical Journal</i> , 2008, 135, 348-373.	4.7	191
30	A General Test of the Copernican Principle. <i>Physical Review Letters</i> , 2008, 101, 011301.	7.8	202
31	Detecting gravitational waves using entangled photon states. <i>Physical Review A</i> , 2008, 78, .	2.5	5
32	THE SLOAN DIGITAL SKY SURVEY-II SUPERNOVA SURVEY: TECHNICAL SUMMARY. <i>Astronomical Journal</i> , 2008, 135, 338-347.	4.7	377
33	Bayesian estimation applied to multiple species. <i>Physical Review D</i> , 2007, 75, .	4.7	51
34	Dynamical dark energy or simply cosmic curvature?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 011-011.	5.4	161
35	Searching for modified gravity with baryon oscillations: From SDSS to wide field multiobject spectroscopy (WF MOS). <i>Physical Review D</i> , 2006, 74, .	4.7	23
36	Cosmological constraints from the SDSS luminous red galaxies. <i>Physical Review D</i> , 2006, 74, .	4.7	1,132

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37	Universal fitting formulae for baryon oscillation surveys. Monthly Notices of the Royal Astronomical Society, 2006, 365, 255-264.	4.4	81
38	Inflation dynamics and reheating. Reviews of Modern Physics, 2006, 78, 537-589.	45.6	778
39	Black hole production in tachyonic preheating. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 001-001.	5.4	28
40	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
41	Sounding the dark cosmos. Astronomy and Geophysics, 2005, 46, 5.26-5.29.	0.2	41
42	Optimizing cosmological surveys in a crowded market. Physical Review D, 2005, 71, .	4.7	26
43	Are black holes overproduced during preheating?. Physical Review D, 2005, 71, .	4.7	45
44	Testing for double inflation with WMAP. Physical Review D, 2005, 71, .	4.7	47
45	THIRTEEN BILLION YEARS IN HALF AN HOUR. Series on Iraq War and Its Consequences, 2005, , 3-17.	0.1	0
46	Radiative constraints on brane quintessence. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 010-010.	5.4	2
47	Cosmic distance-duality as a probe of exotic physics and acceleration. Physical Review D, 2004, 69, .	4.7	165
48	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
49	The Essence of Quintessence and the Cost of Compression. Astrophysical Journal, 2004, 617, L1-L4.	4.5	170
50	Correlation-consistency cartography of the double-inflation landscape. Physical Review D, 2003, 67, .	4.7	78
51	Condensate cosmology: Dark energy from dark matter. Physical Review D, 2003, 68, .	4.7	43
52	Fermion production from preheating-amplified metric perturbations. Nuclear Physics B, 2002, 622, 393-415.	2.5	11
53	When can preheating affect the CMB?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 536, 9-17.	4.1	49
54	Preheatingâ€™ cosmic magnetic dynamo?. Physical Review D, 2001, 63, .	4.7	63

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55	Inflationary preheating and primordial black holes. Physical Review D, 2001, 63, .	4.7	61
56	Multi-field fermionic preheating. Journal of High Energy Physics, 2000, 2000, 019-019.	4.7	30
57	Massless metric preheating. Physical Review D, 2000, 62, .	4.7	87
58	Geometrodynamics of variable-speed-of-light cosmologies. Physical Review D, 2000, 62, .	4.7	66
59	Chaotic inflation on the brane. Physical Review D, 2000, 62, .	4.7	419
60	Adiabatic and entropy perturbations from inflation. Physical Review D, 2000, 63, .	4.7	581
61	General relativistic effects in preheating. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 455, 84-89.	4.1	138
62	Metric preheating and limitations of linearized gravity. Nuclear Physics B, 1999, 561, 188-240.	2.5	121
63	Perturbative superluminal censorship and the null energy condition. , 1999, , .		11
64	Inflationary Reheating in Grand Unified Theories. Physical Review Letters, 1998, 81, 2630-2633.	7.8	24