

# Carlos Alexandre Wuensche

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,093  
citations

623734

14  
h-index

414414

32  
g-index

58  
all docs

58  
docs citations

58  
times ranked

894  
citing authors

#	ARTICLE	IF	CITATIONS
1	The BINGO project. <i>Astronomy and Astrophysics</i> , 2022, 664, A19.	5.1	11
2	The BINGO project. <i>Astronomy and Astrophysics</i> , 2022, 664, A17.	5.1	12
3	The BINGO project. <i>Astronomy and Astrophysics</i> , 2022, 664, A14.	5.1	25
4	BRICS Research on Multi-messenger and Multi-wavelength Astronomy. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201336.	0.8	1
5	Dark matter annihilation in the most luminous and the most massive ultra-compact dwarf galaxies (UCD). <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 003.	5.4	0
6	Baryon Acoustic Oscillations from Integrated Neutral Gas Observations: an instrument to observe the 21cm hydrogen line in the redshift range $0.13 < z < 0.45$ status update. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201096.	0.8	0
7	Baryon acoustic oscillations from Integrated Neutral Gas Observations: Broadband corrugated horn construction and testing. <i>Experimental Astronomy</i> , 2020, 50, 125-144.	3.7	10
8	What could be the observational signature of dark matter in globular clusters?. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 010-010.	5.4	5
9	Some implications of the leptonic annihilation of dark matter: possible galactic radio emission signatures and the excess radio flux of extragalactic origin. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 047-047.	5.4	1
10	Baryon Acoustic Oscillations from Integrated Neutral Gas Observations: Radio Frequency Interference Measurements and Telescope Site Selection. <i>Journal of Astronomical Instrumentation</i> , 2019, 08, .	1.5	9
11	Habitabilidade c3smica e a possibilidade de exist3ncia de vida em outros locais do universo. <i>Revista Brasileira De Ensino De Fisica</i> , 2018, 40, .	0.2	0
12	Properties of Dense Cores Embedded in Musca Derived from Extinction Maps and $^{13}\text{CO}$ , $^{18}\text{O}$ , and $\text{NH}_3$ Emission Lines. <i>Astrophysical Journal</i> , 2017, 836, 19.	4.5	9
13	A BAYESIAN ESTIMATE OF THE CMB LARGE-SCALE STRUCTURE CROSS-CORRELATION. <i>Astrophysical Journal</i> , 2016, 826, 121.	4.5	5
14	A neural-network based estimator to search for primordial non-Gaussianity in Planck CMB maps. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 064-064.	5.4	13
15	Precision measurements of the cosmic microwave background. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
16	Fundamental Aspects of Coronal Mass Ejections. , 2015, , 99-116.		0
17	Quadrant asymmetry in the angular distribution of cosmic microwave background in the Planck satellite data. <i>Astronomy and Astrophysics</i> , 2014, 569, A75.	5.1	3
18	Searching for primordial non-Gaussianity in Planck CMB maps using a combined estimator. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 018-018.	5.4	13

#	ARTICLE	IF	CITATIONS
19	Biases on cosmological parameter estimators from galaxy cluster number counts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 039-039.	5.4	10
20	High Performance Corrugated Horn Antennas for CosmoGal Satellite. <i>Procedia Technology</i> , 2014, 17, 667-673.	1.1	4
21	A Monte Carlo study of cosmological parameter estimators from galaxy cluster number counts. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 262-265.	0.0	0
22	Identification of galaxy clusters in cosmic microwave background maps using the Sunyaev-Zeldovich effect. <i>Astronomy and Astrophysics</i> , 2012, 545, A34.	5.1	5
23	Asymmetries in the angular distribution of the cosmic microwave background. <i>Astronomy and Astrophysics</i> , 2012, 544, A121.	5.1	5
24	THE ARCADE 2 INSTRUMENT. <i>Astrophysical Journal</i> , 2011, 730, 138.	4.5	46
25	ARCADE 2 OBSERVATIONS OF GALACTIC RADIO EMISSION. <i>Astrophysical Journal</i> , 2011, 734, 4.	4.5	64
26	ARCADE 2 MEASUREMENT OF THE ABSOLUTE SKY BRIGHTNESS AT 3-90 GHz. <i>Astrophysical Journal</i> , 2011, 734, 5.	4.5	219
27	INTERPRETATION OF THE ARCADE 2 ABSOLUTE SKY BRIGHTNESS MEASUREMENT. <i>Astrophysical Journal</i> , 2011, 734, 6.	4.5	100
28	Observational constraints on Visser's cosmological model. <i>Physical Review D</i> , 2010, 82, .	4.7	7
29	Cosmic Microwave Background Physics: Observations. , 2009, , .		1
30	On the Large-Scale Angular Distribution of Short Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 2008, 673, 968-971.	4.5	25
31	The White Mountain Polarimeter Telescope and an Upper Limit on Cosmic Microwave Background Polarization. <i>Astrophysical Journal, Supplement Series</i> , 2008, 177, 419-430.	7.7	4
32	Angular power spectrum of the FastICA CMB component from BEAST data. , 2007, , .		0
33	Alignment tests for low CMB multipoles. <i>Physical Review D</i> , 2006, 74, .	4.7	58
34	On the cosmic microwave background large-scale angular correlations. <i>Astronomy and Astrophysics</i> , 2006, 454, 409-414.	5.1	53
35	Angular power spectrum of the fastica cosmic microwave background component from Background Emission Anisotropy Scanning Telescope data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 441-448.	4.4	12
36	The Cosmic Foreground Explorer (COFE): A balloon-borne microwave polarimeter to characterize polarized foregrounds. <i>New Astronomy Reviews</i> , 2006, 50, 977-983.	12.8	9

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37	An astronomical site survey at the Barcroft Facility of the White Mountain Research Station. <i>New Astronomy</i> , 2006, 11, 218-225.	1.8	11
38	Anomalies in the low CMB multipoles and extended foregrounds. <i>Physical Review D</i> , 2006, 74, .	4.7	44
39	High order correction terms for the peak-peak correlation function in nearly-Gaussian models. <i>Astronomy and Astrophysics</i> , 2006, 457, 385-391.	5.1	3
40	The Optical Design of the Background Emission Anisotropy Scanning Telescope (BEAST). <i>Astrophysical Journal, Supplement Series</i> , 2005, 158, 118-123.	7.7	9
41	A Map of the Cosmic Microwave Background from the BEAST Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2005, 158, 101-108.	7.7	14
42	Galactic Foreground Contribution to the BEAST Cosmic Microwave Background Anisotropy Maps. <i>Astrophysical Journal, Supplement Series</i> , 2005, 158, 109-117.	7.7	12
43	The Cosmic Microwave Background Anisotropy Power Spectrum from the BEAST Experiment. <i>Astrophysical Journal, Supplement Series</i> , 2005, 158, 93-100.	7.7	12
44	The Background Emission Anisotropy Scanning Telescope (BEAST) Instrument Description and Performances. <i>Astrophysical Journal, Supplement Series</i> , 2005, 158, 124-138.	7.7	13
45	Correlated mixture between adiabatic and isocurvature fluctuations and recent CMB observations. <i>Physical Review D</i> , 2005, 71, .	4.7	5
46	Nonextensivity and galaxy clustering in the Universe. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 743-749.	2.6	10
47	Predictions of Mixed Non-Gaussian Cosmological Density Fields for the Cosmic Microwave Background Radiation. <i>Astrophysical Journal</i> , 2004, 602, 555-564.	4.5	7
48	Small Deviations from Gaussianity and the Galaxy Cluster Abundance Evolution. <i>Astrophysical Journal</i> , 2000, 539, 1-4.	4.5	10
49	A Spin-Modulated Telescope to Make Two-Dimensional Cosmic Microwave Background Maps. <i>Astrophysical Journal</i> , 2000, 539, 52-56.	4.5	8
50	Spillover and diffraction sidelobe contamination in a double-shielded experiment for mapping Galactic synchrotron emission. <i>Astronomy and Astrophysics</i> , 2000, 145, 495-508.	2.1	7
51	Cosmic Microwave Background Maps from the HACME Experiment. <i>Astrophysical Journal</i> , 2000, 541, 535-541.	4.5	4
52	Diffraction analysis of a double-shielded antenna in the Fraunhofer and Fresnel regimes: Model predictions. <i>Radio Science</i> , 1999, 34, 575-586.	1.6	5
53	Degree-scale anisotropy in the cosmic microwave background: SP94 results. <i>Astrophysical Journal</i> , 1995, 443, L57.	4.5	71
54	Measurements of anisotropy in the cosmic microwave background radiation at 0.5 deg angular scales near the star gamma ursae minoris. <i>Astrophysical Journal</i> , 1994, 430, L1.	4.5	31

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55	Measurements of anisotropy in the cosmic microwave background radiation at degree angular scales near the stars Sigma Herculis and IOTA Draconis. <i>Astrophysical Journal</i> , 1994, 433, L57.	4.5	29
56	UCSB HEMT-ACME South Pole 1990-91 Results. <i>Annals of the New York Academy of Sciences</i> , 1993, 688, 804-808.	3.8	0
57	Cosmic background radiation anisotropy at degree angular scales - Further results from the South Pole. <i>Astrophysical Journal</i> , 1993, 412, L47.	4.5	49
58	Metaheuristics for Computing Cosmic Microwave Background Maps. , 0, , .		0