# Carlos Alexandre Wuensche

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | ARCADE 2 MEASUREMENT OF THE ABSOLUTE SKY BRIGHTNESS AT 3-90 GHz. Astrophysical Journal, 2011, 734, 5. | 4.5 | 219 |
| 2 | INTERPRETATION OF THE ARCADE 2 ABSOLUTE SKY BRIGHTNESS MEASUREMENT. Astrophysical Journal, 2011, 734, 6. | 4.5 | 100 |
| 3 | Degree-scale anisotropy in the cosmic microwave background: SP94 results. Astrophysical Journal, 1995, 443, L57. | 4.5 | 71 |
| 4 | ARCADE 2 OBSERVATIONS OF GALACTIC RADIO EMISSION. Astrophysical Journal, 2011, 734, 4. | 4.5 | 64 |
| 5 | Alignment tests for low CMB multipoles. Physical Review D, 2006, 74, . | 4.7 | 58 |
| 6 | On the cosmic microwave background large-scale angular correlations. Astronomy and Astrophysics, 2006, 454, 409-414. | 5.1 | 53 |
| 7 | Cosmic background radiation anisotropy at degree angular scales - Further results from the South Pole. Astrophysical Journal, 1993, 412, L47. | 4.5 | 49 |
| 8 | THE ARCADE 2 INSTRUMENT. Astrophysical Journal, 2011, 730, 138. | 4.5 | 46 |
| 9 | Anomalies in the low CMB multipoles and extended foregrounds. Physical Review D, 2006, 74, . | 4.7 | 44 |
| 10 | Measurements of anisotropy in the cosmic microwave background radiation at 0.5 deg angular scales near the star gamma ursae minoris. Astrophysical Journal, 1994, 430, L1. | 4.5 | 31 |
| 11 | Measurements of anisotropy in the cosmic microwave background radiation at degree angular scales near the stars Sigma Herculis and IOTA Draconis. Astrophysical Journal, 1994, 433, L57. | 4.5 | 29 |
| 12 | On the Largeâ€Scale Angular Distribution of Short Gammaâ€Ray Bursts. Astrophysical Journal, 2008, 673, 968-971. | 4.5 | 25 |
| 13 | The BINGO project. Astronomy and Astrophysics, 2022, 664, A14. | 5.1 | 25 |
| 14 | A Map of the Cosmic Microwave Background from the BEAST Experiment. Astrophysical Journal, Supplement Series, 2005, 158, 101-108. | 7.7 | 14 |
| 15 | The Background Emission Anisotropy Scanning Telescope (BEAST) Instrument Description and Performances. Astrophysical Journal, Supplement Series, 2005, 158, 124-138. | 7.7 | 13 |
| 16 | Searching for primordial non-Gaussianity in Planck CMB maps using a combined estimator. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 018-018. | 5.4 | 13 |
| 17 | A neural-network based estimator to search for primordial non-Gaussianity in Planck CMB maps. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 064-064. | 5.4 | 13 |
| 18 | Galactic Foreground Contribution to the BEAST Cosmic Microwave Background Anisotropy Maps. Astrophysical Journal, Supplement Series, 2005, 158, 109-117. | 7.7 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Cosmic Microwave Background Anisotropy Power Spectrum from the BEAST Experiment. Astrophysical Journal, Supplement Series, 2005, 158, 93-100. | 7.7 | 12 |
| 20 | Angular power spectrum of the fastica cosmic microwave background component from Background Emission Anisotropy Scanning Telescope data. Monthly Notices of the Royal Astronomical Society, 2006, 369, 441-448. | 4.4 | 12 |
| 21 | The BINGO project. Astronomy and Astrophysics, 2022, 664, A17. | 5.1 | 12 |
| 22 | An astronomical site survey at the Barcroft Facility of the White Mountain Research Station. New Astronomy, 2006, 11, 218-225. | 1.8 | 11 |
| 23 | The BINGO project. Astronomy and Astrophysics, 2022, 664, A19. | 5.1 | 11 |
| 24 | Small Deviations from Gaussianity and the Galaxy Cluster Abundance Evolution. Astrophysical Journal, 2000, 539, 1-4. | 4.5 | 10 |
| 25 | Nonextensivity and galaxy clustering in the Universe. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 743-749. | 2.6 | 10 |
| 26 | Biases on cosmological parameter estimators from galaxy cluster number counts. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 039-039. | 5.4 | 10 |
| 27 | Baryon acoustic oscillations from Integrated Neutral Gas Observations: Broadband corrugated horn construction and testing. Experimental Astronomy, 2020, 50, 125-144. | 3.7 | 10 |
| 28 | The Optical Design of the Background Emission Anisotropy Scanning Telescope (BEAST). Astrophysical Journal, Supplement Series, 2005, 158, 118-123. | 7.7 | 9 |
| 29 | The Cosmic Foreground Explorer (COFE): A balloon-borne microwave polarimeter to characterize polarized foregrounds. New Astronomy Reviews, 2006, 50, 977-983. | 12.8 | 9 |
| 30 | Properties of Dense Cores Embedded in Musca Derived from Extinction Maps and <sup>13</sup>CO, C<sup>18</sup>O, and NH<sub>3</sub> Emission Lines. Astrophysical Journal, 2017, 836, 19. | 4.5 | 9 |
| 31 | Baryon Acoustic Oscillations from Integrated Neutral Gas Observations: Radio Frequency Interference Measurements and Telescope Site Selection. Journal of Astronomical Instrumentation, 2019, 08, . | 1.5 | 9 |
| 32 | A Spinâ€modulated Telescope to Make Twoâ€dimensional Cosmic Microwave Background Maps. Astrophysical Journal, 2000, 539, 52-56. | 4.5 | 8 |
| 33 | Predictions of Mixed Nonâ€Gaussian Cosmological Density Fields for the Cosmic Microwave Background Radiation. Astrophysical Journal, 2004, 602, 555-564. | 4.5 | 7 |
| 34 | Observational constraints on Visserâ€™s cosmological model. Physical Review D, 2010, 82, . | 4.7 | 7 |
| 35 | Spillover and diffraction sidelobe contamination in a double-shielded experiment for mapping Galactic synchrotron emission. Astronomy and Astrophysics, 2000, 145, 495-508. | 2.1 | 7 |
| 36 | Diffraction analysis of a double-shielded antenna in the Fraunhofer and Fresnel regimes: Model predictions. Radio Science, 1999, 34, 575-586. | 1.6 | 5 |

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|---|---|---|---|
| 37 | Correlated mixture between adiabatic and isocurvature fluctuations and recent CMB observations. Physical Review D, 2005, 71, . | 4.7 | 5 |
| 38 | Identification of galaxy clusters in cosmic microwave background maps using the Sunyaev-Zelâ€™dovich effect. Astronomy and Astrophysics, 2012, 545, A34. | 5.1 | 5 |
| 39 | A BAYESIAN ESTIMATE OF THE CMBâ€“LARGE-SCALE STRUCTURE CROSS-CORRELATION. Astrophysical Journal, 2016, 826, 121. | 4.5 | 5 |
| 40 | What could be the observational signature of dark matter in globular clusters?. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 010-010. | 5.4 | 5 |
| 41 | Asymmetries in the angular distribution of the cosmic microwave background. Astronomy and Astrophysics, 2012, 544, A121. | 5.1 | 5 |
| 42 | The White Mountain Polarimeter Telescope and an Upper Limit on Cosmic Microwave Background Polarization. Astrophysical Journal, Supplement Series, 2008, 177, 419-430. | 7.7 | 4 |
| 43 | High Performance Corrugated Horn Antennas for CosmoGal Satellite. Procedia Technology, 2014, 17, 667-673. | 1.1 | 4 |
| 44 | Cosmic Microwave Background Maps from the HACME Experiment. Astrophysical Journal, 2000, 541, 535-541. | 4.5 | 4 |
| 45 | Quadrant asymmetry in the angular distribution of cosmic microwave background in thePlancksatellite data. Astronomy and Astrophysics, 2014, 569, A75. | 5.1 | 3 |
| 46 | High order correction terms for the peak-peak correlation function in nearly-Gaussian models. Astronomy and Astrophysics, 2006, 457, 385-391. | 5.1 | 3 |
| 47 | Cosmic Microwave Background Physics: Observations. , 2009, , . | | 1 |
| 48 | Some implications of the leptonic annihilation of dark matter: possible galactic radio emission signatures and the excess radio flux of extragalactic origin. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047. | 5.4 | 1 |
| 49 | BRICS Research on Multi-messenger and Multi-wavelength Astronomy. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20201336. | 0.8 | 1 |
| 50 | UCSB HEMT-ACME South Pole 1990-91 Resultsa. Annals of the New York Academy of Sciences, 1993, 688, 804-808. | 3.8 | 0 |
| 51 | A Monte Carlo study of cosmological parameter estimators from galaxy cluster number counts. Proceedings of the International Astronomical Union, 2014, 10, 262-265. | 0.0 | 0 |
| 52 | Precision measurements of the cosmic microwave background. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |
| 53 | Habitabilidade cÃ³smica e a possibilidade de existÃªncia de vida em outros locais do universo. Revista Brasileira De Ensino De Fisica, 2018, 40, . | 0.2 | 0 |
| 54 | Dark matter annihilation in the most luminous and the most massive ultra-compact dwarf galaxies (UCD). Journal of Cosmology and Astroparticle Physics, 2021, 2021, 003. | 5.4 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | 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 â€“ status update. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20201096. | 0.8 | 0 |
| 56 | Angular power spectrum of the FastICA CMB component from BEAST data. , 2007, , . | | 0 |
| 57 | Fundamental Aspects of Coronal Mass Ejections. , 2015, , 99-116. | | 0 |
| 58 | Metaheuristics for Computing Cosmic Microwave Background Maps. , 0, , . | | 0 |