

C Guillermo Giménez De Castro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6692276/publications.pdf>

Version: 2024-02-01

69
papers

883
citations

471509

17
h-index

526287

27
g-index

69
all docs

69
docs citations

69
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	A solar flare driven by thermal conduction observed in mid-infrared. <i>Astronomy and Astrophysics</i> , 2022, 657, A51.	5.1	9
2	Subterahertz radius and limb brightening of the Sun derived from SST and ALMA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 877-885.	4.4	3
3	The LLAMA Brazilian-Argentinian radiotelescope project: progress in Brazil and BRICS collaboration. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200846.	0.8	2
4	IMA - Ibero-American VLBI Initiative -Progress on the Brazilian side. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201697.	0.8	0
5	The Subterahertz Solar Cycle: Polar and Equatorial Radii Derived from SST and ALMA. <i>Astrophysical Journal</i> , 2021, 910, 77.	4.5	4
6	Modelling magnetised medium particle transport in the guiding centre limit with GEANT4. <i>Astronomy and Astrophysics</i> , 2021, 654, A82.	5.1	0
7	FLUKA Simulations of Pion Decay Gamma-Radiation from Energetic Flare Ions. <i>Solar Physics</i> , 2020, 295, 1.	2.5	4
8	HATS: A Ground-Based Telescope to Explore the THz Domain. <i>Solar Physics</i> , 2020, 295, 1.	2.5	5
9	Optical depth measurements at 45 and 90 GHz in CASLEO. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2020, 199, 105214.	1.6	4
10	The Submillimeter Active Region Excess Brightness Temperature during Solar Cycles 23 and 24. <i>Astrophysical Journal</i> , 2020, 902, 136.	4.5	5
11	Sub-millimeter Atmospheric Opacity Over El Leoncito Site. , 2020, , .		1
12	Spectral signature of solar active region in millimetre and submillimetre wavelengths. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1964-1969.	4.4	5
13	Self-consistent Modeling of Gamma-ray Spectra from Solar Flares with the Monte Carlo Simulation Package FLUKA. <i>Solar Physics</i> , 2019, 294, 1.	2.5	7
14	Submillimeter Radiation as the Thermal Component of the Neupert Effect. <i>Solar Physics</i> , 2019, 294, 1.	2.5	3
15	Solar Polar Brightening and Radius at 100 and 230 GHz Observed by ALMA. <i>Astrophysical Journal</i> , 2019, 871, 45.	4.5	20
16	The Solar Radius at 37 GHz Through Cycles 22 to 24. <i>Solar Physics</i> , 2019, 294, 1.	2.5	4
17	Precipitable water vapor and 212 GHz atmospheric optical depth correlation at El Leoncito site. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 168, 32-36.	1.6	5
18	The 6 September 2017 X9 Super Flare Observed From Submillimeter to Mid-IR. <i>Space Weather</i> , 2018, 16, 1261-1268.	3.7	12

#	ARTICLE	IF	CITATIONS
19	Spectral Trends of Solar Bursts at Sub-THz Frequencies. <i>Solar Physics</i> , 2017, 292, 1.	2.5	6
20	Association of Radio Polar Cap Brightening with Bright Patches and Coronal Holes. <i>Astrophysical Journal</i> , 2017, 851, 146.	4.5	4
21	Formation of the thermal infrared continuum in solar flares. <i>Astronomy and Astrophysics</i> , 2017, 605, A125.	5.1	32
22	Analysis of Intermittency in Submillimeter Radio and Hard X-Ray Data During the Impulsive Phase of a Solar Flare. <i>Solar Physics</i> , 2016, 291, 2003-2016.	2.5	2
23	Comparison of solar radio and extreme ultraviolet synoptic limb charts during the present solar maximum. <i>Astronomy and Astrophysics</i> , 2016, 592, A91.	5.1	7
24	Contribution of energetic ion secondary particles to solar flare radio spectra. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 120-123.	0.0	3
25	Origin of the 30 THz Emission Detected During the Solar Flare on 2012 March 13 at 17:20 UT. <i>Solar Physics</i> , 2015, 290, 2809-2826.	2.5	25
26	THE 17 GHz ACTIVE REGION NUMBER. <i>Astrophysical Journal</i> , 2014, 790, 134.	4.5	12
27	Joint Measurements of Flare Flux Densities at 210 and 212 GHz by Two Different Radio Telescopes. <i>Solar Physics</i> , 2014, 289, 1227-1237.	2.5	0
28	Nighttime sensitivity of ionospheric VLF measurements to X-ray bursts from a remote cosmic source. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4758-4766.	2.4	12
29	The Relation Between the Radial Temperature Profile in the Chromosphere and the Solar Spectrum at Centimeter, Millimeter, Submillimeter, and Infrared Wavelengths. <i>Solar Physics</i> , 2014, 289, 2879-2889.	2.5	8
30	Solar flares at submillimeter wavelengths. <i>Astronomy and Astrophysics Review</i> , 2013, 21, 1.	25.5	55
31	A Burst with Double Radio Spectrum Observed up to 212 GHz. <i>Solar Physics</i> , 2013, 284, 541-558.	2.5	9
32	A BRIGHT IMPULSIVE SOLAR BURST DETECTED AT 30 THz. <i>Astrophysical Journal</i> , 2013, 768, 134.	4.5	29
33	Polarization Emission of Millimeter Activity at the Sun (POEMAS): New Circular Polarization Solar Telescopes at Two Millimeter Wavelength Ranges. <i>Solar Physics</i> , 2013, 283, 651-665.	2.5	12
34	SOLAR-T: terahertz photometers to observe solar flare emission on stratospheric balloon flights. , 2012, , .		2
35	Unusual Emissions at Various Energies Prior to the Impulsive Phase of the Large Solar Flare and Coronal Mass Ejection of 4 November 2003. <i>Solar Physics</i> , 2012, 279, 465-475.	2.5	2
36	SUB-THz AND H α ACTIVITY DURING THE PREFLARE AND MAIN PHASES OF A GOES CLASS M2 EVENT. <i>Astrophysical Journal</i> , 2011, 742, 106.	4.5	6

#	ARTICLE	IF	CITATIONS
37	THE BEHAVIOR OF THE 17 GHz SOLAR RADIUS AND LIMB BRIGHTENING IN THE SPOTLESS MINIMUM XXIII/XXIV. <i>Astrophysical Journal</i> , 2011, 734, 64.	4.5	27
38	Origin of the Submillimeter Radio Emission During the Time-Extended Phase of a Solar Flare. <i>Solar Physics</i> , 2011, 273, 339-361.	2.5	21
39	Equatorial spread-F occurrence observed at two near equatorial stations in the Brazilian sector and its occurrence modulated by planetary waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 457-463.	1.6	16
40	Search for continuum solar flare radiation in the terahertz range. , 2010, , .		2
41	How are the EUV and radio polar limb-brightenings correlated?. <i>Astronomy and Astrophysics</i> , 2010, 509, A51.	5.1	17
42	RAPID PULSATIONS IN SUB-THz SOLAR BURSTS. <i>Astrophysical Journal</i> , 2009, 697, 420-427.	4.5	22
43	Submillimeter and X-ray observations of an X class flare. <i>Astronomy and Astrophysics</i> , 2009, 507, 433-439.	5.1	16
44	Sub-terahertz, Microwaves and High Energy Emissions During the 6 December 2006 Flare, at 18:40 UT. <i>Solar Physics</i> , 2009, 255, 131-142.	2.5	31
45	Asymmetric precipitation in a coronal loop as explanation of a singular observed spectrum. <i>Advances in Space Research</i> , 2009, 44, 1314-1320.	2.6	2
46	New telescopes for ground-based solar observations at submillimeter and mid-infrared. <i>Proceedings of SPIE</i> , 2008, , .	0.8	29
47	A solar burst with a spectral component observed only above 100 GHz during an M class flare. <i>Astronomy and Astrophysics</i> , 2008, 492, 215-222.	5.1	18
48	Spatial Characterization of a Flare Using Radio Observations and Magnetic Field Topology. <i>Solar Physics</i> , 2007, 240, 271-281.	2.5	9
49	Evidence that Synchrotron Emission from Nonthermal Electrons Produces the Increasing Submillimeter Spectral Component in Solar Flares. <i>Solar Physics</i> , 2007, 245, 311-326.	2.5	54
50	Observed flux density enhancement at submillimeter wavelengths during an X-class flare. <i>Advances in Space Research</i> , 2007, 39, 1445-1450.	2.6	1
51	The solar radius in the EUV during the cycle XXIII. <i>Astronomy and Astrophysics</i> , 2007, 476, 369-372.	5.1	7
52	A very narrow gyrosynchrotron spectrum during a solar flare. <i>Astronomy and Astrophysics</i> , 2006, 457, 693-697.	5.1	6
53	Submillimeter-wave and observations of the event on 28 November, 2001. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2005, 67, 1744-1750.	1.6	3
54	Recent results on solar activity at submillimeter wavelengths. <i>Advances in Space Research</i> , 2005, 35, 1769-1773.	2.6	3

#	ARTICLE	IF	CITATIONS
55	Diffuse Component Spectra of Solar Active Regions at Submillimeter Wavelengths. Solar Physics, 2005, 227, 265-281.	2.5	16
56	Submillimeter-wave atmospheric transmission at El Leoncito, Argentina Andes. IEEE Transactions on Antennas and Propagation, 2005, 53, 1528-1534.	5.1	15
57	A New Solar Burst Spectral Component Emitting Only in the Terahertz Range. Astrophysical Journal, 2004, 603, L121-L124.	4.5	103
58	Wavelet Decomposition of Submillimeter Solar Radio Bursts. Solar Physics, 2003, 218, 211-220.	2.5	12
59	Ruprecht 55: an OB association at the edge of our Galaxy. Monthly Notices of the Royal Astronomical Society, 2003, 341, 169-178.	4.4	3
60	Launch of solar coronal mass ejections and submillimeter pulse bursts. Journal of Geophysical Research, 2003, 108, .	3.3	19
61	Properties of Fast Submillimeter Time Structures during a Large Solar Flare. Astrophysical Journal, 2003, 592, 580-589.	4.5	22
62	Solar Submillimeter and Gamma-Ray Burst Emission. Astrophysical Journal, 2002, 574, 1059-1065.	4.5	23
63	Solar Flare Observations at Submm-waves. Symposium - International Astronomical Union, 2001, 203, 283-286.	0.1	4
64	Multi-resolution wavelet analysis of high time resolution millimeter wavelength observations of solar bursts. Astronomy and Astrophysics, 2001, 366, 317-325.	5.1	7
65	Rapid Submillimeter Brightenings Associated with a Large Solar Flare. Astrophysical Journal, 2001, 548, L95-L98.	4.5	30
66	Correlated fast time structures at millimeter waves and hard X-rays during a solar burst. Solar Physics, 2000, 197, 361-374.	2.5	12
67	Pulsations at the Onset of the Great Solar Burst of 22 October 1989. Solar Physics, 1998, 178, 393-403.	2.5	6
68	Radiation-driven Magnetohydrodynamic Wind Solutions for Hot Luminous Stars. Astrophysical Journal, 1996, 464, 859.	4.5	4
69	A Genetic Algorithm to Model Solar Radio Active Regions From 3D Magnetic Field Extrapolations. Frontiers in Astronomy and Space Sciences, 0, 9, .	2.8	4