

Ronaldo Bellazzini

List of Publications by Year in descending order

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70
papers

10,893
citations

101543

36
h-index

106344

65
g-index

71
all docs

71
docs citations

71
times ranked

8309
citing authors

#	ARTICLE	IF	CITATIONS
1	A Significant Detection of X-ray Polarization in Sco X-1 with PolarLight and Constraints on the Corona Geometry. <i>Astrophysical Journal Letters</i> , 2022, 924, L13.	8.3	34
2	A Weighted Analysis to Improve the X-Ray Polarization Sensitivity of the Imaging X-ray Polarimetry Explorer. <i>Astronomical Journal</i> , 2022, 163, 170.	4.7	38
3	Incremental Fermi Large Area Telescope Fourth Source Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 53.	7.7	186
4	Search for New Cosmic-Ray Acceleration Sites within the 4FGL Catalog Galactic Plane Sources. <i>Astrophysical Journal</i> , 2022, 933, 204.	4.5	3
5	In-orbit operation and performance of the CubeSat Soft X-ray polarimeter PolarLight. <i>Advances in Space Research</i> , 2021, 67, 708-714.	2.6	9
6	Modeling the in-orbit Background of PolarLight. <i>Astrophysical Journal</i> , 2021, 909, 104.	4.5	7
7	X-Ray Polarimetry of the Crab Nebula with PolarLight: Polarization Recovery after the Glitch and a Secular Position Angle Variation. <i>Astrophysical Journal Letters</i> , 2021, 912, L28.	8.3	15
8	Fermi Large Area Telescope Performance after 10 Years of Operation. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 12.	7.7	30
9	Catalog of Long-term Transient Sources in the First 10 yr of Fermi-LAT Data. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 13.	7.7	7
10	Design, construction, and test of the Gas Pixel Detectors for the IXPE mission. <i>Astroparticle Physics</i> , 2021, 133, 102628.	4.3	67
11	First Fermi-LAT Solar Flare Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2021, 252, 13.	7.7	32
12	The Instrument of the Imaging X-Ray Polarimetry Explorer. <i>Astronomical Journal</i> , 2021, 162, 208.	4.7	68
13	Gamma Rays from Fast Black-hole Winds. <i>Astrophysical Journal</i> , 2021, 921, 144.	4.5	14
14	Re-detection and a possible time variation of soft X-ray polarization from the Crab. <i>Nature Astronomy</i> , 2020, 4, 511-516.	10.1	51
15	<i>Fermi</i> Large Area Telescope Fourth Source Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 33.	7.7	817
16	The Fourth Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope. <i>Astrophysical Journal</i> , 2020, 892, 105.	4.5	204
17	The Imaging X-ray Polarimetry Explorer (IXPE): technical overview III. , 2020, , .		9
18	Fermi and Swift Observations of GRB 190114C: Tracing the Evolution of High-energy Emission from Prompt to Afterglow. <i>Astrophysical Journal</i> , 2020, 890, 9.	4.5	48

#	ARTICLE	IF	CITATIONS
19	The enhanced X-ray Timing and Polarimetry mission "eXTP. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	178
20	The Imaging X-Ray Polarimetry Explorer (IXPE): technical overview II. , 2019, , .		8
21	VERITAS and Fermi-LAT Observations of TeV Gamma-Ray Sources Discovered by HAWC in the 2HWC Catalog. Astrophysical Journal, 2018, 866, 24.	4.5	21
22	Fermi-LAT Observations of LIGO/Virgo Event GW170817. Astrophysical Journal, 2018, 861, 85.	4.5	32
23	Investigating the Nature of Late-time High-energy GRB Emission through Joint Fermi/Swift Observations. Astrophysical Journal, 2018, 863, 138.	4.5	16
24	The Search for Spatial Extension in High-latitude Sources Detected by the Fermi Large Area Telescope. Astrophysical Journal, Supplement Series, 2018, 237, 32.	7.7	121
25	Search for Gamma-Ray Emission from Local Primordial Black Holes with the Fermi Large Area Telescope. Astrophysical Journal, 2018, 857, 49.	4.5	23
26	The Imaging X-ray Polarimetry Explorer (IXPE): technical overview. , 2018, , .		13
27	SEARCHING THE GAMMA-RAY SKY FOR COUNTERPARTS TO GRAVITATIONAL WAVE SOURCES: FERMI GAMMA-RAY BURST MONITOR AND LARGE AREA TELESCOPE OBSERVATIONS OF LVT151012 AND GW151226. Astrophysical Journal, 2017, 835, 82.	4.5	32
28	Observations of M31 and M33 with the Fermi Large Area Telescope: A Galactic Center Excess in Andromeda?. Astrophysical Journal, 2017, 836, 208.	4.5	70
29	3FHL: The Third Catalog of Hard Fermi-LAT Sources. Astrophysical Journal, Supplement Series, 2017, 232, 18.	7.7	227
30	Fermi Observations of the LIGO Event GW170104. Astrophysical Journal Letters, 2017, 846, L5.	8.3	15
31	Search for Extended Sources in the Galactic Plane Using Six Years of Fermi-Large Area Telescope Pass 8 Data above 10 GeV. Astrophysical Journal, 2017, 843, 139.	4.5	70
32	DEVELOPMENT OF THE MODEL OF GALACTIC INTERSTELLAR EMISSION FOR STANDARD POINT-SOURCE ANALYSIS OF FERMI LARGE AREA TELESCOPE DATA. Astrophysical Journal, Supplement Series, 2016, 223, 26.	7.7	313
33	FERMI-LAT OBSERVATIONS OF THE LIGO EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L2.	8.3	45
34	FERMI LAT STACKING ANALYSIS OF SWIFT LOCALIZED GRBs. Astrophysical Journal, 2016, 822, 68.	4.5	5
35	Performance of the Gas Pixel Detector: an x-ray imaging polarimeter for upcoming missions of astrophysics. Proceedings of SPIE, 2016, , .	0.8	8
36	CONTEMPORANEOUS BROADBAND OBSERVATIONS OF THREE HIGH-REDSHIFT BL LAC OBJECTS. Astrophysical Journal, 2016, 820, 72.	4.5	3

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37	FERMI-LAT OBSERVATIONS OF HIGH-ENERGY $\hat{\gamma}$ -RAY EMISSION TOWARD THE GALACTIC CENTER. <i>Astrophysical Journal</i> , 2016, 819, 44.	4.5	301
38	The Imaging X-ray Polarimetry Explorer (IXPE). <i>Proceedings of SPIE</i> , 2016, , .	0.8	107
39	SEARCH FOR GAMMA-RAY EMISSION FROM DES DWARF SPHEROIDAL GALAXY CANDIDATES WITH <i>FERMI</i> -LAT DATA. <i>Astrophysical Journal Letters</i> , 2015, 809, L4.	8.3	131
40	PSR J1906+0722: AN ELUSIVE GAMMA-RAY PULSAR. <i>Astrophysical Journal Letters</i> , 2015, 809, L2.	8.3	18
41	MULTIWAVELENGTH EVIDENCE FOR QUASI-PERIODIC MODULATION IN THE GAMMA-RAY BLAZAR PG 1553+113. <i>Astrophysical Journal Letters</i> , 2015, 813, L41.	8.3	144
42	VERY HIGH ENERGY $\hat{\gamma}$ -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE $z = 0.940$ BLAZAR PKS 1441+25 WITH MAGIC. <i>Astrophysical Journal Letters</i> , 2015, 815, L23.	8.3	78
43	<i>FERMI</i> LARGE AREA TELESCOPE THIRD SOURCE CATALOG. <i>Astrophysical Journal</i> , Supplement Series, 2015, 218, 23.	7.7	1,224
44	THE IMAGING PROPERTIES OF THE GAS PIXEL DETECTOR AS A FOCAL PLANE POLARIMETER. <i>Astrophysical Journal</i> , Supplement Series, 2014, 212, 25.	7.7	27
45	Fermi-LAT Observations of the Gamma-Ray Burst GRB 130427A. <i>Science</i> , 2014, 343, 42-47.	12.6	211
46	XIPE: the X-ray imaging polarimetry explorer. <i>Experimental Astronomy</i> , 2013, 36, 523-567.	3.7	103
47	Measurement of the position resolution of the Gas Pixel Detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 700, 99-105.	1.6	16
48	THE FIRST <i>FERMI</i> -LAT GAMMA-RAY BURST CATALOG. <i>Astrophysical Journal</i> , Supplement Series, 2013, 209, 11.	7.7	232
49	THE <i>FERMI</i> -ALL-SKY VARIABILITY ANALYSIS: A LIST OF FLARING GAMMA-RAY SOURCES AND THE SEARCH FOR TRANSIENTS IN OUR GALAXY. <i>Astrophysical Journal</i> , 2013, 771, 57.	4.5	47
50	MULTIWAVELENGTH OBSERVATIONS OF GRB 110731A: GeV EMISSION FROM ONSET TO AFTERGLOW. <i>Astrophysical Journal</i> , 2013, 763, 71.	4.5	75
51	THE <i>FERMI</i> LARGE AREA TELESCOPE ON ORBIT: EVENT CLASSIFICATION, INSTRUMENT RESPONSE FUNCTIONS, AND CALIBRATION. <i>Astrophysical Journal</i> , Supplement Series, 2012, 203, 4.	7.7	403
52	SEARCH FOR DARK MATTER SATELLITES USING <i>FERMI</i> -LAT. <i>Astrophysical Journal</i> , 2012, 747, 121.	4.5	130
53	DETECTION OF HIGH-ENERGY GAMMA-RAY EMISSION DURING THE X-RAY FLARING ACTIVITY IN GRB 100728A. <i>Astrophysical Journal Letters</i> , 2011, 734, L27.	8.3	34
54	<i>SWIFT</i> AND <i>FERMI</i> OBSERVATIONS OF THE EARLY AFTERGLOW OF THE SHORT GAMMA-RAY BURST 090510. <i>Astrophysical Journal Letters</i> , 2010, 709, L146-L151.	8.3	130

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55	<i>FERMI</i> OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 090217A. <i>Astrophysical Journal Letters</i> , 2010, 717, L127-L132.	8.3	26
56	Spectral and polarimetric characterization of the Gas Pixel Detector filled with dimethyl ether. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 620, 285-293.	1.6	29
57	<i>FERMI</i> OBSERVATIONS OF GRB 090510: A SHORT-HARD GAMMA-RAY BURST WITH AN ADDITIONAL, HARD POWER-LAW COMPONENT FROM 10 keV TO GeV ENERGIES. <i>Astrophysical Journal</i> , 2010, 716, 1178-1190.	4.5	306
58	<i>FERMI</i> OBSERVATIONS OF HIGH-ENERGY GAMMA-RAY EMISSION FROM GRB 080825C. <i>Astrophysical Journal</i> , 2009, 707, 580-592.	4.5	56
59	Fermi Observations of High-Energy Gamma-Ray Emission from GRB 080916C. <i>Science</i> , 2009, 323, 1688-1693.	12.6	523
60	THE LARGE AREA TELESCOPE ON THE <i>FERMI</i> GAMMA-RAY SPACE TELESCOPE </i> MISSION. <i>Astrophysical Journal</i> , 2009, 697, 1071-1102.	4.5	3,048
61	Low energy polarization sensitivity of the Gas Pixel Detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 584, 149-159.	1.6	30
62	An imaging x-ray polarimeter for the study of galactic and extragalactic x-ray sources. <i>Proceedings of SPIE</i> , 2008, , .	0.8	10
63	A versatile facility for the calibration of x-ray polarimeters with polarized and unpolarized controlled beams. <i>Proceedings of SPIE</i> , 2008, , .	0.8	10
64	A sealed Gas Pixel Detector for X-ray astronomy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 579, 853-858.	1.6	96
65	Direct reading of charge multipliers with a self-triggering CMOS analog chip with 105k pixels at 50 μ m pitch. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 566, 552-562.	1.6	98
66	Sensitivity of a photoelectric x-ray polarimeter for astronomy: the impact of the gas mixture and pressure. , 2003, 4843, 394.		17
67	Micropattern gas detector for X-ray polarimetry. , 2003, 4843, 372.		10
68	Novel gaseous x-ray polarimeter: data analysis and simulation. , 2003, 4843, 383.		48
69	Astronomical X-ray polarimetry based on photoelectric effect with microgap detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 469, 164-184.	1.6	16
70	An efficient photoelectric X-ray polarimeter for the study of black holes and neutron stars. <i>Nature</i> , 2001, 411, 662-665.	27.8	318