

Nestor Mirabal

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

5,884
citations

257450

24
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

8022
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine-learned dark matter subhalo candidates in the 4FGL-DR2: search for the perturber of the GD-1 stream. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 033.	5.4	5
2	<i>Fermi</i> Large Area Telescope Fourth Source Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 33.	7.7	817
3	The Fourth Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope. <i>Astrophysical Journal</i> , 2020, 892, 105.	4.5	204
4	Unidentified gamma-ray sources as targets for indirect dark matter detection with the <i>Fermi</i>-Large Area Telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 020-020.	5.4	27
5	Spectral and spatial analysis of the dark matter subhalo candidates among <i>Fermi</i> Large Area Telescope unidentified sources. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 045-045.	5.4	25
6	Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar. <i>Science Advances</i> , 2018, 4, eaao7228.	10.3	20
7	Millisecond Pulsar Origin of the Galactic Center Excess and Extended Gamma-Ray Emission from Andromeda: A Closer Look. <i>Astrophysical Journal</i> , 2018, 862, 79.	4.5	32
8	The Fermi Galactic Center GeV Excess and Implications for Dark Matter. <i>Astrophysical Journal</i> , 2017, 840, 43.	4.5	264
9	3FHL: The Third Catalog of Hard Fermi-LAT Sources. <i>Astrophysical Journal, Supplement Series</i> , 2017, 232, 18.	7.7	227
10	Searches for correlation between UHECR events and high-energy gamma-ray Fermi-LAT data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 023-023.	5.4	6
11	DEVELOPMENT OF THE MODEL OF GALACTIC INTERSTELLAR EMISSION FOR STANDARD POINT-SOURCE ANALYSIS OF FERMI LARGE AREA TELESCOPE DATA. <i>Astrophysical Journal, Supplement Series</i> , 2016, 223, 26.	7.7	313
12	3FGL DEMOGRAPHICS OUTSIDE THE GALACTIC PLANE USING SUPERVISED MACHINE LEARNING: PULSAR AND DARK MATTER SUBHALO INTERPRETATIONS. <i>Astrophysical Journal</i> , 2016, 825, 69.	4.5	54
13	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. <i>Astrophysical Journal Letters</i> , 2016, 826, L13.	8.3	210
14	Search for Spectral Irregularities due to Photonâ€™Axionlike-Particle Oscillations with the Fermi Large Area Telescope. <i>Physical Review Letters</i> , 2016, 116, 161101.	7.8	151
15	Sensitivity projections for dark matter searches with the Fermi large area telescope. <i>Physics Reports</i> , 2016, 636, 1-46.	25.6	107
16	2FHL: THE SECOND CATALOG OF HARD FERMI-LAT SOURCES. <i>Astrophysical Journal, Supplement Series</i> , 2016, 222, 5.	7.7	219
17	<i>FERMI</i> LARGE AREA TELESCOPE THIRD SOURCE CATALOG. <i>Astrophysical Journal, Supplement Series</i> , 2015, 218, 23.	7.7	1,224
18	The Smith Cloud and its dark matter halo: survival of a Galactic disc passage. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2883-2891.	4.4	28

#	ARTICLE	IF	CITATIONS
19	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013, 43, 3-18.	4.3	504
20	Dark matter and fundamental physics with the Cherenkov Telescope Array. <i>Astroparticle Physics</i> , 2013, 43, 189-214.	4.3	106
21	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	3.7	640
22	THE AFTERGLOWS OF <i>SWIFT</i> -ERA GAMMA-RAY BURSTS. I. COMPARING PRE- <i>SWIFT</i> AND <i>SWIFT</i> -ERA LONG/SOFT (TYPE II) GRB OPTICAL AFTERGLOWS. <i>Astrophysical Journal</i> , 2010, 720, 1513-1558.	4.5	253
23	The Rapidly Flaring Afterglow of the Very Bright and Energetic GRB 070125. <i>Astrophysical Journal</i> , 2008, 685, 361-375.	4.5	27
24	The Merger in Abell 576: A Line-of-Sight Bullet Cluster?. <i>Astrophysical Journal</i> , 2007, 668, 781-795.	4.5	25
25	GRB 060218/SN 2006aj: A Gamma-Ray Burst and Prompt Supernova at $z = 0.0335$. <i>Astrophysical Journal</i> , 2006, 643, L99-L102.	4.5	146
26	The Detailed Optical Light Curve of GRB 030329. <i>Astrophysical Journal</i> , 2004, 606, 381-394.	4.5	120
27	The 2001 Superoutburst of WZ Sagittae. <i>Publications of the Astronomical Society of the Pacific</i> , 2002, 114, 721-747.	3.1	130