

# 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	<i>FERMI</i> LARGE AREA TELESCOPE THIRD SOURCE CATALOG. Astrophysical Journal, Supplement Series, 2015, 218, 23.	7.7	1,224
2	<i>Fermi</i> Large Area Telescope Fourth Source Catalog. Astrophysical Journal, Supplement Series, 2020, 247, 33.	7.7	817
3	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. Experimental Astronomy, 2011, 32, 193-316.	3.7	640
4	Introducing the CTA concept. Astroparticle Physics, 2013, 43, 3-18.	4.3	504
5	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
6	The Fermi Galactic Center GeV Excess and Implications for Dark Matter. Astrophysical Journal, 2017, 840, 43.	4.5	264
7	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. Astrophysical Journal, 2010, 720, 1513-1558.	4.5	253
8	3FHL: The Third Catalog of Hard Fermi-LAT Sources. Astrophysical Journal, Supplement Series, 2017, 232, 18.	7.7	227
9	2FHL: THE SECOND CATALOG OF HARD FERMI-LAT SOURCES. Astrophysical Journal, Supplement Series, 2016, 222, 5.	7.7	219
10	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. Astrophysical Journal Letters, 2016, 826, L13.	8.3	210
11	The Fourth Catalog of Active Galactic Nuclei Detected by the Fermi Large Area Telescope. Astrophysical Journal, 2020, 892, 105.	4.5	204
12	Search for Spectral Irregularities due to Photonâ€™Axionlike-Particle Oscillations with the Fermi Large Area Telescope. Physical Review Letters, 2016, 116, 161101.	7.8	151
13	GRB 060218/SN 2006aj: A Gamma-Ray Burst and Prompt Supernova at $z = 0.0335$ . Astrophysical Journal, 2006, 643, L99-L102.	4.5	146
14	The 2001 Superoutburst of WZ Sagittae. Publications of the Astronomical Society of the Pacific, 2002, 114, 721-747.	3.1	130
15	The Detailed Optical Light Curve of GRB 030329. Astrophysical Journal, 2004, 606, 381-394.	4.5	120
16	Sensitivity projections for dark matter searches with the Fermi large area telescope. Physics Reports, 2016, 636, 1-46.	25.6	107
17	Dark matter and fundamental physics with the Cherenkov Telescope Array. Astroparticle Physics, 2013, 43, 189-214.	4.3	106
18	3FGL DEMOGRAPHICS OUTSIDE THE GALACTIC PLANE USING SUPERVISED MACHINE LEARNING: PULSAR AND DARK MATTER SUBHALO INTERPRETATIONS. Astrophysical Journal, 2016, 825, 69.	4.5	54

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	The Rapidly Flaring Afterglow of the Very Bright and Energetic GRB 070125. <i>Astrophysical Journal</i> , 2008, 685, 361-375.	4.5	27
22	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
23	The Merger in Abell 576: A Line-of-Sight Bullet Cluster?. <i>Astrophysical Journal</i> , 2007, 668, 781-795.	4.5	25
24	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
25	Einstein@Home discovers a radio-quiet gamma-ray millisecond pulsar. <i>Science Advances</i> , 2018, 4, eaao7228.	10.3	20
26	Searches for correlation between UHECR events and high-energy gamma-ray <i>Fermi</i> -LAT data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 023-023.	5.4	6
27	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