

Barbara Patricelli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

2,185
citations

20
h-index

46
g-index

58
ext. papers

2,872
ext. citations

5.3
avg, IF

2.81
L-index

#	Paper	IF	Citations
49	Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range 2022 , 947-991		
48	Electromagnetic Counterparts of Gravitational Waves in the Hz-kHz Range 2021 , 1-45		
47	Multimodal Analysis of Gravitational Wave Signals and Gamma-Ray Bursts from Binary Neutron Star Mergers. <i>Universe</i> , 2021 , 7, 394	2.5	0
46	Advanced Virgo: Status of the Detector, Latest Results and Future Prospects. <i>Universe</i> , 2021 , 7, 322	2.5	1
45	Can we constrain the aftermath of binary neutron star mergers with short gamma-ray bursts?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020 , 499, L96-L100	4.3	1
44	Observational constraints on the optical and near-infrared emission from the neutron star/black hole binary merger candidate S190814bv. <i>Astronomy and Astrophysics</i> , 2020 , 643, A113	5.1	39
43	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2020 , 23, 3	32.5	144
42	The Hunt for Environmental Noise in Virgo during the Third Observing Run. <i>Galaxies</i> , 2020 , 8, 82	2	12
41	The advanced Virgo longitudinal control system for the O2 observing run. <i>Astroparticle Physics</i> , 2020 , 116, 102386	2.4	7
40	Data acquisition architecture and online processing system for the HAWC gamma-ray observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 888, 138-146	1.2	11
39	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA. <i>Living Reviews in Relativity</i> , 2018 , 21, 3	32.5	543
38	Science with e-ASTROGAM: A space mission for MeV-GeV gamma-ray astrophysics. <i>Journal of High Energy Astrophysics</i> , 2018 , 19, 1-106	2.5	101
37	The e-ASTROGAM gamma-ray space observatory for the multimessenger astronomy of the 2030s 2018 ,		1
36	Prospects for observing and localizing gravitational-wave transients with Advanced LIGO, Advanced Virgo and KAGRA 2018 , 21, 1		2
35	Status of Advanced Virgo. <i>EPJ Web of Conferences</i> , 2018 , 182, 02003	0.3	4
34	Searching for gamma-ray counterparts to gravitational waves from merging binary neutron stars with the Cherenkov Telescope Array. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 056-056	6.4	9
33	THESEUS: A key space mission concept for Multi-Messenger Astrophysics. <i>Advances in Space Research</i> , 2018 , 62, 662-682	2.4	37

32	The e-ASTROGAM mission. <i>Experimental Astronomy</i> , 2017 , 44, 25-82	1.3	114
31	The basic physics of the binary black hole merger GW150914. <i>Annalen Der Physik</i> , 2017 , 529, 1600209	2.6	45
30	Spectroscopic identification of r-process nucleosynthesis in a double neutron-star merger. <i>Nature</i> , 2017 , 551, 67-70	50.4	444
29	Search for Gravitational Waves Associated with Gamma-Ray Bursts during the First Advanced LIGO Observing Run and Implications for the Origin of GRB 150906B. <i>Astrophysical Journal</i> , 2017 , 841, 89	4.7	42
28	Status of the Advanced Virgo gravitational wave detector. <i>International Journal of Modern Physics A</i> , 2017 , 32, 1744003	1.2	5
27	Prospects for joint observations of gravitational waves and gamma rays from merging neutron star binaries. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016 , 2016, 056-056	6.4	21
26	Studies on the high-energy follow-up of gravitational wave transient events. <i>Journal of Physics: Conference Series</i> , 2016 , 718, 072005	0.3	
25	Characterization of transient noise in Advanced LIGO relevant to gravitational wave signal GW150914. <i>Classical and Quantum Gravity</i> , 2016 , 33,	3.3	155
24	SEARCH FOR TeV GAMMA-RAY EMISSION FROM POINT-LIKE SOURCES IN THE INNER GALACTIC PLANE WITH A PARTIAL CONFIGURATION OF THE HAWC OBSERVATORY. <i>Astrophysical Journal</i> , 2016 , 817, 3	4.7	27
23	SEARCH FOR GAMMA-RAYS FROM THE UNUSUALLY BRIGHT GRB 130427A WITH THE HAWC GAMMA-RAY OBSERVATORY. <i>Astrophysical Journal</i> , 2015 , 800, 78	4.7	22
22	Milagro limits and HAWC sensitivity for the rate-density of evaporating Primordial Black Holes. <i>Astroparticle Physics</i> , 2015 , 64, 4-12	2.4	16
21	VAMOS: A pathfinder for the HAWC gamma-ray observatory. <i>Astroparticle Physics</i> , 2015 , 62, 125-133	2.4	8
20	Three-peak GRBs and their implications for central engines. <i>New Astronomy</i> , 2015 , 41, 53-58	1.8	1
19	THE STUDY OF TeV VARIABILITY AND THE DUTY CYCLE OF Mrk 421 FROM 3 Yr OF OBSERVATIONS WITH THE MILAGRO OBSERVATORY. <i>Astrophysical Journal</i> , 2014 , 782, 110	4.7	15
18	Scientific verification of High Altitude Water Cherenkov observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 742, 216-219	1.2	1
17	Hadronic flares and associated neutrinos for Markarian 421. <i>Proceedings of the International Astronomical Union</i> , 2014 , 10, 177-178	0.1	1
16	Sensitivity of HAWC to high-mass dark matter annihilations. <i>Physical Review D</i> , 2014 , 90,	4.9	32
15	OBSERVATION OF SMALL-SCALE ANISOTROPY IN THE ARRIVAL DIRECTION DISTRIBUTION OF TeV COSMIC RAYS WITH HAWC. <i>Astrophysical Journal</i> , 2014 , 796, 108	4.7	59

14	Estimation of the TeV gamma-ray duty cycle of Mrk 421 with the Milagro observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 742, 208-211	1.2	1
13	Sensitivity of the high altitude water Cherenkov detector to sources of multi-TeV gamma rays. <i>Astroparticle Physics</i> , 2013 , 50-52, 26-32	2.4	109
12	EVIDENCES FOR A DOUBLE COMPONENT IN THE EMISSION OF GRB 101023. <i>International Journal of Modern Physics Conference Series</i> , 2013 , 23, 254-259	0.7	2
11	ANALYSIS OF GRB 080319B AND GRB 050904 WITHIN THE FIRESHHELL MODEL: EVIDENCE FOR A BROADER SPECTRAL ENERGY DISTRIBUTION. <i>Astrophysical Journal</i> , 2012 , 756, 16	4.7	20
10	Evidence for a proto-black hole and a double astrophysical component in GRB 101023. <i>Astronomy and Astrophysics</i> , 2012 , 538, A58	5.1	32
9	GRB980923. A BURST WITH A SHORT DURATION HIGH-ENERGY COMPONENT. <i>Astrophysical Journal</i> , 2012 , 755, 140	4.7	7
8	A double component in GRB 090618: a proto-black hole and a genuinely long gamma-ray burst. <i>Astronomy and Astrophysics</i> , 2012 , 543, A10	5.1	45
7	On the nature of GRB 050509b: a disguised short GRB. <i>Astronomy and Astrophysics</i> , 2011 , 529, A130	5.1	12
6	A NEW SPECTRAL ENERGY DISTRIBUTION OF PHOTONS IN THE FIRESHHELL MODEL OF GRBS. <i>International Journal of Modern Physics D</i> , 2011 , 20, 1983-1987	2.2	5
5	GRB 071227: ANOTHER DISGUISED SHORT BURST. <i>International Journal of Modern Physics D</i> , 2011 , 20, 1931-1935	2.2	
4	GRB 080916C AND THE HIGH-ENERGY EMISSION IN THE FIRESHHELL SCENARIO. <i>International Journal of Modern Physics D</i> , 2011 , 20, 1949-1953	2.2	2
3	GRB 071227: an additional case of a disguised short burst. <i>Astronomy and Astrophysics</i> , 2010 , 521, A80	5.1	21
2	GRB 090423 at Redshift 8.1: a Theoretical Interpretation. <i>Journal of the Korean Physical Society</i> , 2010 , 57, 551-556	0.6	3
1	The Blackhole energy and the canonical Gamma-Ray Burst IV: the genuine short and fake disguised short GRBs 2009 ,		3