

# Sandra Parlati

## List of Publications by Year in descending order

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61  
papers

9,856  
citations

172386

29  
h-index

189801

50  
g-index

62  
all docs

62  
docs citations

62  
times ranked

10662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic data libraries: recent evolutions and new perspectives. Journal of Instrumentation, 2020, 15, C03032-C03032.	0.5	0
2	Accurate GPS-based timestamp facility for Gran Sasso National Laboratory. Journal of Instrumentation, 2019, 14, P04001-P04001.	0.5	2
3	U-LITE, a Private Cloud Approach for Particle Physics Computing. International Journal of Cloud Applications and Computing, 2019, 9, 1-15.	1.1	4
4	The XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	1.4	157
5	INFN towards Cloud Computing. , 2014, , .		0
6	A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. Astroparticle Physics, 2010, 33, 108-129.	1.9	84
7	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 29-39.	0.7	151
8	Measurement of the energy spectrum of cosmic rays above 1018 eV using the Pierre Auger Observatory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 685, 239-246.	1.5	357
9	The fluorescence detector of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 227-251.	0.7	275
10	Measurement of the Depth of Maximum of Extensive Air Showers above $10^{18}$ eV. Physical Review Letters, 2010, 104, 091101.	2.9	429
11	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. Astroparticle Physics, 2009, 32, 89-99.	1.9	43
12	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. Astroparticle Physics, 2009, 31, 399-406.	1.9	117
13	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. Physical Review D, 2009, 79, .	1.6	99
14	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	1.9	305
15	Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. Astroparticle Physics, 2008, 29, 243-256.	1.9	161
16	Observation of the Suppression of the Flux of Cosmic Rays above $4 \times 10^{19}$ eV. Physical Review Letters, 2008, 101, 061101.	2.9	500
17	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	2.9	141
18	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	6.0	647

#	ARTICLE	IF	CITATIONS
19	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2007, 27, 155-168.	1.9	90
20	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. <i>Astroparticle Physics</i> , 2007, 27, 244-253.	1.9	51
21	Geant4 and its validation. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 150, 44-49.	0.5	46
22	Geant4 developments and applications. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 270-278.	1.2	4,869
23	Comparison of Geant4 electromagnetic physics models against the NIST reference data. <i>IEEE Transactions on Nuclear Science</i> , 2005, 52, 910-918.	1.2	160
24	Correction to "A Goodness-of-Fit Statistical Toolkit". <i>IEEE Transactions on Nuclear Science</i> , 2004, 51, 3118-3118.	1.2	0
25	A goodness-of-fit statistical toolkit. <i>IEEE Transactions on Nuclear Science</i> , 2004, 51, 2056-2063.	1.2	88
26	Precision validation of Geant4 electromagnetic physics. , 2003, , .		12
27	The MACRO detector at Gran Sasso. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 486, 663-707.	0.7	60
28	ICARUS. A status report. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 70, 453-457.	0.5	7
29	Calibration of BC501A liquid scintillator cells with monochromatic neutron beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 418, 285-299.	0.7	36
30	Performance of the MACRO detector at gran sasso: Moon shadow and seasonal variations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1998, 61, 180-184.	0.5	1
31	Real time supernova neutrino burst detection with MACRO. <i>Astroparticle Physics</i> , 1998, 8, 123-133.	1.9	17
32	Performance evaluation of a hit finding algorithm for the ICARUS detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 412, 440-453.	0.7	6
33	High energy cosmic ray physics with underground muons in MACRO. II. Primary spectra and composition. <i>Physical Review D</i> , 1997, 56, 1418-1436.	1.6	26
34	High energy cosmic ray physics with underground muons in MACRO. I. Analysis methods and experimental results. <i>Physical Review D</i> , 1997, 56, 1407-1417.	1.6	17
35	Magnetic monopole search with the MACRO detector at Gran Sasso. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 406, 249-255.	1.5	27
36	Seasonal variations in the underground muon intensity as seen by MACRO. <i>Astroparticle Physics</i> , 1997, 7, 109-124.	1.9	107

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37	High energy cosmic ray physics with the MACRO experiment at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 1997, 52, 172-175.	0.5	0
38	The liquid argon TPC for the ICARUS experiment. Nuclear Physics, Section B, Proceedings Supplements, 1997, 54, 95-104.	0.5	8
39	The performance of MACRO liquid scintillator in the search for magnetic monopoles with $10^{-3} < \hat{I}^2 < 1$ . Astroparticle Physics, 1997, 6, 113-128.	1.9	18
40	Search for neutrinos from the Sun and the Earth with the MACRO detector. Nuclear Physics, Section B, Proceedings Supplements, 1996, 48, 87-90.	0.5	1
41	Searches for magnetic monopoles with the MACRO detector at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 1996, 48, 453-459.	0.5	0
42	The photomultiplier test facility for the reactor neutrino oscillation experiment CHOOZ and the measurements of 250 8-in. EMI 9356KA B53 photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 372, 207-221.	0.7	14
43	Atmospheric neutrino flux measurement using upgoing muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 481-486.	1.5	83
44	Performance of the MACRO streamer tube system in the search for magnetic monopoles. Astroparticle Physics, 1995, 4, 33-43.	1.9	26
45	Vertical muon intensity measured with MACRO at the Gran Sasso laboratory. Physical Review D, 1995, 52, 3793-3802.	1.6	149
46	Search for slowly moving magnetic monopoles with the MACRO detector. Physical Review Letters, 1994, 72, 608-612.	2.9	29
47	Coincident observation of air Čerenkov light by a surface array and muon bundles by a deep underground detector. Physical Review D, 1994, 50, 3046-3058.	1.6	2
48	The measurement of the decorrelation function in underground muon pairs as a probe of primary cosmic ray interactions. Astroparticle Physics, 1994, 2, 335-346.	1.9	4
49	Study of the primary cosmic ray composition around the knee of the energy spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 337, 376-382.	1.5	34
50	Muon astrophysics with the MACRO detector. Nuclear Physics, Section B, Proceedings Supplements, 1994, 35, 229-234.	0.5	0
51	First supermodule of the MACRO detector at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 337-362.	0.7	137
52	Muon astronomy with the MACRO detector. Astrophysical Journal, 1993, 412, 301.	1.6	28
53	Search for nuclearites using the MACRO detector. Physical Review Letters, 1992, 69, 1860-1863.	2.9	32
54	Study of the ultrahigh-energy primary-cosmic-ray composition with the MACRO experiment. Physical Review D, 1992, 46, 895-902.	1.6	37

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55	Measurement of the decoherence function with the MACRO detector at Gran Sasso. Physical Review D, 1992, 46, 4836-4845.	1.6	29
56	Search for neutrino bursts from collapsing stars with the MACRO detector. Astroparticle Physics, 1992, 1, 11-25.	1.9	25
57	Search for stellar gravitational collapse by MACRO: Characteristics and results. Nuclear Physics, Section B, Proceedings Supplements, 1992, 28, 61-64.	0.5	0
58	Measurement of electromagnetic and TEV muon components of extensive air showers by eas-top and MACRO experiments. Nuclear Physics, Section B, Proceedings Supplements, 1992, 28, 393-396.	0.5	0
59	Systematic comparison of electromagnetic physics between Geant4 and EGS4 with respect to protocol data. , 0, , .		2
60	Validation of Geant4 electromagnetic physics versus protocol data. , 0, , .		11
61	Geant4 low energy electromagnetic physics. , 0, , .		93