

Ivan De Mitri

List of Publications by Year in descending order

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261
papers

13,771
citations

17440

63
h-index

24258

110
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269
all docs

269
docs citations

269
times ranked

6398
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. <i>Science</i> , 2007, 318, 938-943.	12.6	647
2	Observation of the Suppression of the Flux of Cosmic Rays above 4×10^{19} eV. <i>Physical Review Letters</i> , 2008, 101, 061101.	7.8	500
3	The Pierre Auger Cosmic Ray Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 798, 172-213.	1.6	442
4	Measurement of the Depth of Maximum of Extensive Air Showers above 10^{18} eV. <i>Physical Review Letters</i> , 2010, 104, 091101.	7.8	429
5	Direct detection of a break in the teraelectronvolt cosmic-ray spectrum of electrons and positrons. <i>Nature</i> , 2017, 552, 63-66.	27.8	371
6	Measurement of the energy spectrum of cosmic rays above 1018 eV using the Pierre Auger Observatory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 685, 239-246.	4.1	357
7	Measurement of the atmospheric neutrino-induced upgoing muon flux using MACRO. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 434, 451-457.	4.1	315
8	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. <i>Astroparticle Physics</i> , 2008, 29, 188-204.	4.3	305
9	The fluorescence detector of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 620, 227-251.	1.6	275
10	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. <i>Astroparticle Physics</i> , 2010, 34, 314-326.	4.3	270
11	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. I. Measurements at energies above 1×10^0 eV. <i>Physical Review D</i> , 2014, 90, .	4.7	266
12	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8×10^{18} eV. <i>Science</i> , 2017, 357, 1266-1270.	12.6	261
13	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. II. Composition implications. <i>Physical Review D</i> , 2014, 90, .	4.7	213
14	Measurement of the Proton-Air Cross Section at $\sqrt{s} > 57$ TeV. <i>Physical Review Letters</i> , 2012, 109, 062002.	7.8	212
15	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 038-038.	5.4	191
16	The DArk Matter Particle Explorer mission. <i>Astroparticle Physics</i> , 2017, 95, 6-24.	4.3	185
17	An Indication of Anisotropy in Arrival Directions of Ultra-high-energy Cosmic Rays through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources $> 10^{19}$ eV. <i>Astrophysical Journal Letters</i> , 2018, 853, L29.	8.3	165
18	Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2008, 29, 243-256.	4.3	161

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19	Local MRI analysis approach in the diagnosis of early and prodromal Alzheimer's disease. <i>NeuroImage</i> , 2011, 58, 469-480.	4.2	161
20	Layout and performance of RPCs used in the Argo-YBJ experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 562, 92-96.	1.6	160
21	Final results of magnetic monopole searches with the MACRO experiment. <i>European Physical Journal C</i> , 2002, 25, 511-522.	3.9	158
22	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2016, 117, 192001.	7.8	154
23	Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events. <i>Physical Review D</i> , 2015, 91, .	4.7	152
24	Matter effects in upward-going muons and sterile neutrino oscillations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 517, 59-66.	4.1	151
25	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 613, 29-39.	1.6	151
26	Vertical muon intensity measured with MACRO at the Gran Sasso laboratory. <i>Physical Review D</i> , 1995, 52, 3793-3802.	4.7	149
27	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 804, 15.	4.5	146
28	Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory. <i>Physical Review D</i> , 2015, 91, .	4.7	125
29	Measurement of the cosmic ray proton spectrum from 40 GeV to 100 TeV with the DAMPE satellite. <i>Science Advances</i> , 2019, 5, eaax3793.	10.3	121
30	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2009, 31, 399-406.	4.3	117
31	Seasonal variations in the underground muon intensity as seen by MACRO. <i>Astroparticle Physics</i> , 1997, 7, 109-124.	4.3	107
32	Measurements of atmospheric muon neutrino oscillations, global analysis of the data collected with MACRO detector. <i>European Physical Journal C</i> , 2004, 36, 323-339.	3.9	100
33	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. <i>Physical Review D</i> , 2009, 79, .	4.7	99
34	Measurement of the cosmic-ray energy spectrum above 2.5×10^{18} eV using the Pierre Auger Observatory. <i>Physical Review D</i> , 2020, 102, .	4.7	98
35	Atmospheric neutrino oscillations from upward throughgoing muon multiple scattering in MACRO. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 566, 35-44.	4.1	97
36	Antennas for the detection of radio emission pulses from cosmic-ray induced air showers at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P10011-P10011.	1.2	95

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37	Knee of the cosmic hydrogen and helium spectrum below 1ÂPeV measured by ARGO-YBJ and a Cherenkov telescope of LHAASO. Physical Review D, 2015, 92, .	4.7	94
38	A completely automated CAD system for mass detection in a large mammographic database. Medical Physics, 2006, 33, 3066-3075.	3.0	92
39	A CAD system for nodule detection in low-dose lung CTs based on region growing and a new active contour model. Medical Physics, 2007, 34, 4901-4910.	3.0	91
40	Measurement of the Radiation Energy in the Radio Signal of Extensive Air Showers as a Universal Estimator of Cosmic-Ray Energy. Physical Review Letters, 2016, 116, 241101.	7.8	91
41	An upper limit to the photon fraction in cosmic rays above 1019eV from the Pierre Auger Observatory. Astroparticle Physics, 2007, 27, 155-168.	4.3	90
42	Probing the radio emission from air showers with polarization measurements. Physical Review D, 2014, 89, .	4.7	85
43	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.	4.3	84
44	Evidence for a mixed mass composition at the ankle in the cosmic-ray spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 288-295.	4.1	84
45	Atmospheric neutrino flux measurement using upgoing muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 481-486.	4.1	83
46	Inferences on mass composition and tests of hadronic interactions from 0.3 to 100ÂEeV using the water-Cherenkov detectors of the Pierre Auger Observatory. Physical Review D, 2017, 96, .	4.7	82
47	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. Physical Review D, 2016, 93, .	4.7	80
48	Features of the Energy Spectrum of Cosmic Rays above 2.5×10^{18} eV Using the Pierre Auger Observatory. Physical Review Letters, 2020, 125, 121106.	7.8	79
49	Large-scale Cosmic-Ray Anisotropies above 4 EeV Measured by the Pierre Auger Observatory. Astrophysical Journal, 2018, 868, 4.	4.5	77
50	Limits on dark matter WIMPs using upward-going muons in the MACRO detector. Physical Review D, 1999, 60, .	4.7	74
51	Automatic Lung Segmentation in CT Images with Accurate Handling of the Hilar Region. Journal of Digital Imaging, 2011, 24, 11-27.	2.9	74
52	Low energy atmospheric muon neutrinos in MACRO. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 5-13.	4.1	73
53	Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 627-639.	4.3	73
54	IDENTIFICATION OF THE TeV GAMMA-RAY SOURCE ARGO J2031+4157 WITH THE CYGNUS COCOON. Astrophysical Journal, 2014, 790, 152.	4.5	73

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55	SEARCHES FOR LARGE-SCALE ANISOTROPY IN THE ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE ENERGY OF 10^{19} eV AT THE PIERRE AUGER OBSERVATORY AND THE TELESCOPE ARRAY. <i>Astrophysical Journal</i> , 2014, 794, 172.	4.5	72
56	The cosmic ray primary composition between 1015 and 1016 eV from Extensive Air Showers electromagnetic and TeV muon data. <i>Astroparticle Physics</i> , 2004, 20, 641-652.	4.3	71
57	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. <i>Physical Review D</i> , 2014, 90, .	4.7	69
58	STUDY OF THE DIFFUSE GAMMA-RAY EMISSION FROM THE GALACTIC PLANE WITH ARGO-YBJ. <i>Astrophysical Journal</i> , 2015, 806, 20.	4.5	69
59	LONG-TERM MONITORING OF THE TeV EMISSION FROM Mrk 421 WITH THE ARGO-YBJ EXPERIMENT. <i>Astrophysical Journal</i> , 2011, 734, 110.	4.5	67
60	CONSTRAINTS ON THE ORIGIN OF COSMIC RAYS ABOVE 10^{18} eV FROM LARGE-SCALE ANISOTROPY SEARCHES IN DATA OF THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal Letters</i> , 2013, 762, L13.	8.3	67
61	Description of atmospheric conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS). <i>Astroparticle Physics</i> , 2012, 35, 591-607.	4.3	66
62	Measurement of the Cosmic Ray Helium Energy Spectrum from 70 GeV to 80 TeV with the DAMPE Space Mission. <i>Physical Review Letters</i> , 2021, 126, 201102.	7.8	66
63	Neutrino Astronomy with the MACRO Detector. <i>Astrophysical Journal</i> , 2001, 546, 1038-1054.	4.5	65
64	TeV GAMMA-RAY SURVEY OF THE NORTHERN SKY USING THE ARGO-YBJ DETECTOR. <i>Astrophysical Journal</i> , 2013, 779, 27.	4.5	64
65	Probing the origin of ultra-high-energy cosmic rays with neutrinos in the EeV energy range using the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 022-022.	5.4	64
66	Scintillation efficiency of nuclear recoil in liquid xenon. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 449, 147-157.	1.6	63
67	Observation of the cosmic ray moon shadowing effect with the ARGO-YBJ experiment. <i>Physical Review D</i> , 2011, 84, .	4.7	63
68	The DAMPE silicon-tungsten tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 831, 378-384.	1.6	58
69	Medium scale anisotropy in the TeV cosmic ray flux observed by ARGO-YBJ. <i>Physical Review D</i> , 2013, 88, .	4.7	57
70	Proton-air cross section measurement with the ARGO-YBJ cosmic ray experiment. <i>Physical Review D</i> , 2009, 80, .	4.7	56
71	SEARCH FOR POINT-LIKE SOURCES OF ULTRA-HIGH ENERGY NEUTRINOS AT THE PIERRE AUGER OBSERVATORY AND IMPROVED LIMIT ON THE DIFFUSE FLUX OF TAU NEUTRINOS. <i>Astrophysical Journal Letters</i> , 2012, 755, L4.	8.3	55
72	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 368-381.	4.3	54

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73	Search for the sidereal and solar diurnal modulations in the total MACRO muon data set. <i>Physical Review D</i> , 2003, 67, .	4.7	52
74	Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 635, 92-102.	1.6	52
75	Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory. <i>Astroparticle Physics</i> , 2007, 27, 244-253.	4.3	51
76	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. <i>Physical Review D</i> , 2011, 84, .	4.7	51
77	OBSERVATION OF TeV GAMMA RAYS FROM THE CYGNUS REGION WITH THE ARGO-YBJ EXPERIMENT. <i>Astrophysical Journal Letters</i> , 2012, 745, L22.	8.3	51
78	ARGO-YBJ OBSERVATION OF THE LARGE-SCALE COSMIC RAY ANISOTROPY DURING THE SOLAR MINIMUM BETWEEN CYCLES 23 AND 24. <i>Astrophysical Journal</i> , 2015, 809, 90.	4.5	51
79	The POEMMA (Probe of Extreme Multi-Messenger Astrophysics) observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 007.	5.4	50
80	Temperature effect on RPC performance in the ARGO-YBJ experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 608, 246-250.	1.6	49
81	Light-component spectrum of the primary cosmic rays in the multi-TeV region measured by the ARGO-YBJ experiment. <i>Physical Review D</i> , 2012, 85, .	4.7	49
82	Reconstruction of inclined air showers detected with the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 019-019.	5.4	49
83	LARGE SCALE DISTRIBUTION OF ULTRA HIGH ENERGY COSMIC RAYS DETECTED AT THE PIERRE AUGER OBSERVATORY WITH ZENITH ANGLES UP TO 80°. <i>Astrophysical Journal</i> , 2015, 802, 111.	4.5	49
84	Search for photons with energies above 10^{18} eV using the hybrid detector of the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 009-009.	5.4	49
85	LONG-TERM MONITORING OF MRK 501 FOR ITS VERY HIGH ENERGY γ EMISSION AND A FLARE IN 2011 OCTOBER. <i>Astrophysical Journal</i> , 2012, 758, 2.	4.5	49
86	The cosmic ray proton, helium and CNO fluxes in the 100 TeV energy region from TeV muons and EAS atmospheric Cherenkov light observations of MACRO and EAS-TOP. <i>Astroparticle Physics</i> , 2004, 21, 223-240.	4.3	47
87	GAMMA-RAY FLARES FROM Mrk421 IN 2008 OBSERVED WITH THE ARGO-YBJ DETECTOR. <i>Astrophysical Journal Letters</i> , 2010, 714, L208-L212.	8.3	46
88	4.5 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF MRK 421 DURING THE ARGO-YBJ AND FERMI COMMON OPERATION TIME. <i>Astrophysical Journal, Supplement Series</i> , 2016, 222, 6.	7.7	46
89	LARGE-SCALE DISTRIBUTION OF ARRIVAL DIRECTIONS OF COSMIC RAYS DETECTED ABOVE 10^{18} eV AT THE PIERRE AUGER OBSERVATORY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 34.	7.7	44
90	The energy spectrum of cosmic rays beyond the turn-down around 10^{17} eV as measured with the surface detector of the Pierre Auger Observatory. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	44

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91	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. <i>Astroparticle Physics</i> , 2009, 32, 89-99.	4.3	43
92	Software timing calibration of the ARGO-YBJ detector. <i>Astroparticle Physics</i> , 2009, 30, 287-292.	4.3	40
93	Scaler mode technique for the ARGO-YBJ detector. <i>Astroparticle Physics</i> , 2008, 30, 85-95.	4.3	39
94	Automatic analysis of medial temporal lobe atrophy from structural MRIs for the early assessment of Alzheimer disease. <i>Medical Physics</i> , 2009, 36, 3737-3747.	3.0	39
95	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-18.	1.1	39
96	Cosmic-Ray Anisotropies in Right Ascension Measured by the Pierre Auger Observatory. <i>Astrophysical Journal</i> , 2020, 891, 142.	4.5	39
97	OBSERVATION OF THE TeV GAMMA-RAY SOURCE MGRO J1908+06 WITH ARGO-YBJ. <i>Astrophysical Journal</i> , 2012, 760, 110.	4.5	38
98	Ultrahigh-energy neutrino follow-up of gravitational wave events GW150914 and GW151226 with the Pierre Auger Observatory. <i>Physical Review D</i> , 2016, 94, .	4.7	38
99	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2016, 11, P02012-P02012.	1.2	38
100	The observation of up-going charged particles produced by high energy muons in underground detectors. <i>Astroparticle Physics</i> , 1998, 9, 105-117.	4.3	36
101	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.	1.6	36
102	Detection of thermal neutrons with the PRISMA-YBJ array in extensive air showers selected by the ARGO-YBJ experiment. <i>Astroparticle Physics</i> , 2016, 81, 49-60.	4.3	36
103	Direct measurement of the muonic content of extensive air showers between 2×10^{17} and 2×10^{18} eV at the Pierre Auger Observatory. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	36
104	Search for diffuse neutrino flux from astrophysical sources with MACRO. <i>Astroparticle Physics</i> , 2003, 19, 1-13.	4.3	35
105	Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 009-009.	5.4	34
106	Cosmic ray proton plus helium energy spectrum measured by the ARGO-YBJ experiment in the energy range 3×10^3 – 300 TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	34
107	Measurement of the Fluctuations in the Number of Muons in Extensive Air Showers with the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2021, 126, 152002.	7.8	34
108	CRAB NEBULA: FIVE-YEAR OBSERVATION WITH ARGO-YBJ. <i>Astrophysical Journal</i> , 2015, 798, 119.	4.5	33

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109	Measurement of the residual energy of muons in the Gran Sasso underground laboratories. <i>Astroparticle Physics</i> , 2003, 19, 313-328.	4.3	32
110	Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2012, 35, 354-361.	4.3	32
111	Energy spectrum of cosmic protons and helium nuclei by a hybrid measurement at 4300 m a.s.l.. <i>Chinese Physics C</i> , 2014, 38, 045001.	3.7	31
112	Search for correlations between the arrival directions of IceCube neutrino events and ultrahigh-energy cosmic rays detected by the Pierre Auger Observatory and the Telescope Array. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 037-037.	5.4	31
113	The on-orbit calibration of DArk Matter Particle Explorer. <i>Astroparticle Physics</i> , 2019, 106, 18-34.	4.3	31
114	Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 026-026.	5.4	30
115	Moon and Sun shadowing effect in the MACRO detector. <i>Astroparticle Physics</i> , 2003, 20, 145-156.	4.3	29
116	SEARCH FOR GAMMA RAY BURSTS WITH THE ARGO-YBJ DETECTOR IN SCALER MODE. <i>Astrophysical Journal</i> , 2009, 699, 1281-1287.	4.5	29
117	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , 2014, 789, 160.	4.5	29
118	Detection of scintillation light in coincidence with ionizing tracks in a liquid argon time projection chamber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 432, 240-248.	1.6	28
119	Search for nucleon decays induced by GUT magnetic monopoles with the MACRO experiment. <i>European Physical Journal C</i> , 2002, 26, 163-172.	3.9	28
120	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.	4.1	27
121	Measurement of the energy spectrum of underground muons at Gran Sasso with a transition radiation detector. <i>Astroparticle Physics</i> , 1999, 10, 11-20.	4.3	27
122	Effects of nuclear re-interactions in quasi-elastic neutrino-nucleus scattering. <i>Astroparticle Physics</i> , 2001, 16, 145-155.	4.3	27
123	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , 2012, 760, 148.	4.5	27
124	Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 026-026.	5.4	27
125	Performance of the MACRO streamer tube system in the search for magnetic monopoles. <i>Astroparticle Physics</i> , 1995, 4, 33-43.	4.3	26
126	High energy cosmic ray physics with underground muons in MACRO. II. Primary spectra and composition. <i>Physical Review D</i> , 1997, 56, 1418-1436.	4.7	26

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127	Charge measurement of cosmic ray nuclei with the plastic scintillator detector of DAMPE. <i>Astroparticle Physics</i> , 2019, 105, 31-36.	4.3	26
128	Distributed medical images analysis on a Grid infrastructure. <i>Future Generation Computer Systems</i> , 2007, 23, 475-484.	7.5	25
129	OBSERVATION OF TeV GAMMA RAYS FROM THE UNIDENTIFIED SOURCE HESS J1841-055 WITH THE ARGO-YBJ EXPERIMENT. <i>Astrophysical Journal</i> , 2013, 767, 99.	4.5	25
130	The analog Resistive Plate Chamber detector of the ARGO-YBJ experiment. <i>Astroparticle Physics</i> , 2015, 67, 47-61.	4.3	25
131	The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 022-022.	5.4	24
132	MEAN INTERPLANETARY MAGNETIC FIELD MEASUREMENT USING THE ARGO-YBJ EXPERIMENT. <i>Astrophysical Journal</i> , 2011, 729, 113.	4.5	23
133	Measurement of the cosmic ray antiproton/proton flux ratio at TeV energies with the ARGO-YBJ detector. <i>Physical Review D</i> , 2012, 85, .	4.7	22
134	Internal alignment and position resolution of the silicon tracker of DAMPE determined with orbit data. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 893, 43-56.	1.6	22
135	Galactic Cosmic-Ray Anisotropy in the Northern Hemisphere from the ARGO-YBJ Experiment during 2008-2012. <i>Astrophysical Journal</i> , 2018, 861, 93.	4.5	22
136	High statistics measurement of the underground muon pair separation at Gran Sasso. <i>Physical Review D</i> , 1999, 60, .	4.7	21
137	Azimuthal asymmetry in the risetime of the surface detector signals of the Pierre Auger Observatory. <i>Physical Review D</i> , 2016, 93, .	4.7	21
138	A Targeted Search for Point Sources of EeV Photons with the Pierre Auger Observatory. <i>Astrophysical Journal Letters</i> , 2017, 837, L25.	8.3	21
139	Calibration of the logarithmic-periodic dipole antenna (LPDA) radio stations at the Pierre Auger Observatory using an octocopter. <i>Journal of Instrumentation</i> , 2017, 12, T10005-T10005.	1.2	21
140	A Search for Photons with Energies Above 2×10^{17} eV Using Hybrid Data from the Low-Energy Extensions of the Pierre Auger Observatory. <i>Astrophysical Journal</i> , 2022, 933, 125.	4.5	21
141	Highlights from the ARGO-YBJ experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 661, S50-S55.	1.6	20
142	Measurement of the cosmic ray spectrum above 4×10^{18} eV using inclined events detected with the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2015, 2015, 049-049.	5.4	20
143	Nanosecond-level time synchronization of autonomous radio detector stations for extensive air showers. <i>Journal of Instrumentation</i> , 2016, 11, P01018-P01018.	1.2	20
144	Data-driven estimation of the invisible energy of cosmic ray showers with the Pierre Auger Observatory. <i>Physical Review D</i> , 2019, 100, .	4.7	20

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145	Reconstruction of events recorded with the surface detector of the Pierre Auger Observatory. Journal of Instrumentation, 2020, 15, P10021-P10021.	1.2	20
146	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.	4.3	18
147	Nuclear re-interaction effects in quasi-elastic neutrino nucleus scattering. Nuclear Physics, Section B, Proceedings Supplements, 2002, 112, 210-214.	0.4	18
148	Muon energy estimate through multiple scattering with the MACRO detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 492, 376-386.	1.6	18
149	Limits on point-like sources of ultra-high-energy neutrinos with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 004-004.	5.4	18
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