

Pietro Oliva

List of Publications by Year in descending order

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32
papers

2,065
citations

516710

16
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

1400
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Depth of Maximum of Extensive Air Showers above 10^{18} eV. Physical Review Letters, 2010, 104, 091101.	7.8	429
2	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.	4.1	357
3	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.	1.6	275
4	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. Astroparticle Physics, 2010, 34, 314-326.	4.3	270
5	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.	1.6	151
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.	4.3	84
7	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
8	The exposure of the hybrid detector of the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 368-381.	4.3	54
9	Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 635, 92-102.	1.6	52
10	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. Physical Review D, 2011, 84, .	4.7	51
11	Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory. Astroparticle Physics, 2009, 32, 89-99.	4.3	43
12	Search for signatures of magnetically-induced alignment in the arrival directions measured by the Pierre Auger Observatory. Astroparticle Physics, 2012, 35, 354-361.	4.3	32
13	Diamond device architectures for UV laser monitoring. Laser Physics, 2016, 26, 084005.	1.2	28
14	The effect of the geomagnetic field on cosmic ray energy estimates and large scale anisotropy searches on data from the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 022-022.	5.4	24
15	Diamond detectors with laser induced surface graphite electrodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 837, 136-142.	1.6	24
16	Very long laser-induced graphitic pillars buried in single-crystal CVD-diamond for 3D detectors realization. Diamond and Related Materials, 2018, 90, 84-92.	3.9	18
17	The Pierre Auger Observatory scaler mode for the study of solar activity modulation of galactic cosmic rays. Journal of Instrumentation, 2011, 6, P01003-P01003.	1.2	16
18	The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray showers detected by the Pierre Auger Observatory. Astroparticle Physics, 2011, 35, 266-276.	4.3	16

#	ARTICLE	IF	CITATIONS
19	Nano-carbon pixels array for ionizing particles monitoring. Diamond and Related Materials, 2017, 73, 132-136.	3.9	16
20	Cherenkov flashes and fluorescence flares on telescopes: New lights on UHECR spectroscopy while unveiling neutrinos astronomy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 588, 146-150.	1.6	9
21	Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 022-022.	5.4	9
22	Reflecting on Čerenkov reflections. Journal of Physics: Conference Series, 2008, 110, 062008.	0.4	8
23	Baily’s Beads Atlas in 2005 and 2008 Eclipses. Solar Physics, 2009, 258, 191-202.	2.5	5
24	The meaning of the UHECR Hot Spots. EPJ Web of Conferences, 2015, 99, 08002.	0.3	5
25	Updated Z-Burst Neutrinos at Horizons. Nuclear Physics, Section B, Proceedings Supplements, 2007, 165, 116-121.	0.4	4
26	Crossing muons in Icecube at highest energy: a cornerstone to 1/2 Astronomy. Nuclear Physics, Section B, Proceedings Supplements, 2014, 256-257, 213-217.	0.4	4
27	Tau Now. Nuclear and Particle Physics Proceedings, 2016, 279-281, 198-205.	0.5	2
28	UHECR narrow clustering correlating IceCube through-going muons. Nuclear and Particle Physics Proceedings, 2017, 291-293, 195-200.	0.5	2
29	UHE Cosmic Rays and Neutrinos Showering on Planet Edges. Nuclear Physics, Section B, Proceedings Supplements, 2007, 165, 207-214.	0.4	1
30	Signals of HE atmospheric 1/4 decay in flight around the Sun’s albedo versus astrophysical 1/2 1/4 and 1/2 i, traces in the Moon shadow. International Journal of Modern Physics D, 2018, 27, 1841002.	2.1	1
31	Why not any tau double bang in IceCube, yet?. , 2016, , .		1
32	Fast 3C 279 gamma flares by a merging medium size black hole jet aligned to the AGN one by tidal torque. , 2016, , .		0