

Katrin Link

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

878
citations

471509

17
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

508
citing authors

#	ARTICLE	IF	CITATIONS
1	The KASCADE-Grande experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 202-216.	1.6	147
2	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
3	Probing the radio emission from air showers with polarization measurements. Physical Review D, 2014, 89, .	4.7	85
4	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. Physical Review D, 2016, 93, .	4.7	80
5	Reconstruction of the energy and depth of maximum of cosmic-ray air showers from LOPES radio measurements. Physical Review D, 2014, 90, .	4.7	57
6	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
7	Experimental evidence for the sensitivity of the air-shower radio signal to the longitudinal shower development. Physical Review D, 2012, 85, .	4.7	43
8	The wavefront of the radio signal emitted by cosmic ray air showers. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 025-025.	5.4	42
9	Calibrating the absolute amplitude scale for air showers measured at LOFAR. Journal of Instrumentation, 2015, 10, P11005-P11005.	1.2	38
10	First Experimental Characterization of Microwave Emission from Cosmic Ray Air Showers. Physical Review Letters, 2014, 113, 221101.	7.8	33
11	A comparison of the cosmic-ray energy scales of Tunka-133 and KASCADE-Grande via their radio extensions Tunka-Rex and LOPES. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 179-185.	4.1	32
12	Improved absolute calibration of LOPES measurements and its impact on the comparison with REAS 3.11 and CoREAS simulations. Astroparticle Physics, 2016, 75, 72-74.	4.3	27
13	The LOPES experimentâ€™Recent results, status and perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S72-S79.	1.6	23
14	The KASCADE Cosmic-ray Data Centre KCDC: granting open access to astroparticle physics research data. European Physical Journal C, 2018, 78, 1.	3.9	22
15	Calibration of the logarithmic-periodic dipole antenna (LPDA) radio stations at the Pierre Auger Observatory using an octocopter. Journal of Instrumentation, 2017, 12, T10005-T10005.	1.2	21
16	On noise treatment in radio measurements of cosmic ray air showers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 662, S238-S241.	1.6	19
17	Thunderstorm observations by air-shower radio antenna arrays. Advances in Space Research, 2011, 48, 1295-1303.	2.6	17
18	LOPES-3D: An antenna array for full signal detection of air-shower radio emission. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 696, 100-109.	1.6	15

#	ARTICLE	IF	CITATIONS
19	Comparing LOPES measurements of air-shower radio emission with REAS 3.11 and CoREAS simulations. <i>Astroparticle Physics</i> , 2013, 50-52, 76-91.	4.3	15
20	Final results of the LOPES radio interferometer for cosmic-ray air showers. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	12
21	Revised absolute amplitude calibration of the LOPES experiment. , 2016, , .		3
22	Interferometric Radio Measurements of Air Showers with LOPES: Final Results. , 2017, , .		2
23	The LOPES experiment. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2011, 212-213, 323-328.	0.4	1
24	New results of the digital radio interferometer LOPES. , 2016, , .		1