

Frank G Schröder

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

684
citations

623734

14
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

464
citing authors

#	ARTICLE	IF	CITATIONS
1	The Giant Radio Array for Neutrino Detection (GRAND): Science and design. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	130
2	Radio detection of cosmic-ray air showers and high-energy neutrinos. <i>Progress in Particle and Nuclear Physics</i> , 2017, 93, 1-68.	14.4	104
3	Measurement of cosmic-ray air showers with the Tunka Radio Extension (Tunka-Rex). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 802, 89-96.	1.6	83
4	Radio measurements of the energy and the depth of the shower maximum of cosmic-ray air showers by Tunka-Rex. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 052-052.	5.4	61
5	New method for the time calibration of an interferometric radio antenna array. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 615, 277-284.	1.6	43
6	The wavefront of the radio signal emitted by cosmic ray air showers. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 025-025.	5.4	42
7	Reconstruction of air-shower parameters for large-scale radio detectors using the lateral distribution. <i>Astroparticle Physics</i> , 2016, 74, 79-86.	4.3	33
8	A comparison of the cosmic-ray energy scales of Tunka-133 and KASCADE-Grande via their radio extensions Tunka-Rex and LOPES. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 179-185.	4.1	32
9	Improved absolute calibration of LOPES measurements and its impact on the comparison with REAS 3.11 and CoREAS simulations. <i>Astroparticle Physics</i> , 2016, 75, 72-74.	4.3	27
10	The LOPES experiment – Recent results, status and perspectives. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S72-S79.	1.6	23
11	On noise treatment in radio measurements of cosmic ray air showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S238-S241.	1.6	19
12	Thunderstorm observations by air-shower radio antenna arrays. <i>Advances in Space Research</i> , 2011, 48, 1295-1303.	2.6	17
13	LOPES-3D: An antenna array for full signal detection of air-shower radio emission. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 696, 100-109.	1.6	15
14	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
15	Final results of the LOPES radio interferometer for cosmic-ray air showers. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	12
16	Enhancing the cosmic-ray mass sensitivity of air-shower arrays by combining radio and muon detectors. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	11
17	Radio detection of high-energy cosmic rays with the Auger Engineering Radio Array. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 824, 648-651.	1.6	7
18	Testing effects of Lorentz invariance violation in the propagation of astroparticles with the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022, 2022, 023.	5.4	5

#	ARTICLE	IF	CITATIONS
19	The Tunka radio extension (Tunka-Rex): Radio measurements of cosmic rays in Siberia. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 652-654.	1.6	4
20	Simulation study of the relative Askaryan fraction at the south pole. Physical Review D, 2022, 105, .	4.7	1