Frank G SchrÃ¶der

List of Publications by Year
in descending order

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	Testing effects of Lorentz invariance violation in the propagation of astroparticles with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 023.	5.4	5
2	Simulation study of the relative Askaryan fraction at the south pole. Physical Review D, 2022, 105, .	4.7	1
3	Final results of the LOPES radio interferometer for cosmic-ray air showers. European Physical Journal C, 2021, 81, 1.	3.9	12
4	The Giant Radio Array for Neutrino Detection (GRAND): Science and design. Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	130
5	Enhancing the cosmic-ray mass sensitivity of air-shower arrays by combining radio and muon detectors. European Physical Journal C, 2019, 79, 1.	3.9	11
6	Radio detection of cosmic-ray air showers and high-energy neutrinos. Progress in Particle and Nuclear Physics, 2017, 93, 1-68.	14.4	104
7	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
8	Radio measurements of the energy and the depth of the shower maximum of cosmic-ray air showers by Tunka-Rex. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 052-052.	5.4	61
9	Radio detection of high-energy cosmic rays with the Auger Engineering Radio Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 648-651.	1.6	7
10	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
11	Reconstruction of air-shower parameters for large-scale radio detectors using the lateral distribution. Astroparticle Physics, 2016, 74, 79-86.	4.3	33
12	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
13	Measurement of cosmic-ray air showers with the Tunka Radio Extension (Tunka-Rex). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 802, 89-96.	1.6	83
14	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
15	Comparing LOPES measurements of air-shower radio emission with REAS 3.11 and CoREAS simulations. Astroparticle Physics, 2013, 50-52, 76-91.	4.3	15
16	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
17	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
18	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

#	Article	IF	Citations
19	Thunderstorm observations by air-shower radio antenna arrays. Advances in Space Research, 2011, 48, 1295-1303.	2.6	17
20	New method for the time calibration of an interferometric radio antenna array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 615, 277-284.	1.6	43