Erik Ganster

List of Publications by Year
in descending order

40 papers	1,666 citations	361413 20 h-index	289244 40 g-index
40 all docs	40 docs citations	40 times ranked	3828 citing authors

#	Article	IF	Citations
1	Time-Integrated Neutrino Source Searches with 10ÂYears of IceCube Data. Physical Review Letters, 2020, 124, 051103.	7.8	221
2	IceCube-Gen2: the window to the extreme Universe. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 060501.	3.6	204
3	IceCube high-energy starting event sample: Description and flux characterization with 7.5Âyears of data. Physical Review D, 2021, 104, .	4.7	142
4	Differential limit on the extremely-high-energy cosmic neutrino flux in the presence of astrophysical background from nine years of IceCube data. Physical Review D, 2018, 98, .	4.7	131
5	Cosmic ray spectrum and composition from PeV to EeV using 3Âyears of data from IceTop and IceCube. Physical Review D, 2019, 100, .	4.7	76
6	Search for steady point-like sources in the astrophysical muon neutrino flux with 8 years of IceCube data. European Physical Journal C, 2019, 79, 1.	3.9	75
7	Improved Characterization of the Astrophysical Muonâ€“neutrino Flux with 9.5 Years of IceCube Data. Astrophysical Journal, 2022, 928, 50.	4.5	67
8	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. Astrophysical Journal Letters, 2018, 868, L20.	8.3	64
9	Search for neutrinos from decaying dark matter with IceCube. European Physical Journal C, 2018, 78, 831.	3.9	62
10	Investigation of Two Fermi-LAT Gamma-Ray Blazars Coincident with High-energy Neutrinos Detected by IceCube. Astrophysical Journal, 2019, 880, 103.	4.5	60
11	Measurements using the inelasticity distribution of multi-TeV neutrino interactions in IceCube. Physical Review D, 2019, 99, .	4.7	55
12	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. Astrophysical Journal, 2019, 886, 12.	4.5	53
13	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. Physical Review D, 2019, 99, .	4.7	53
14	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. Astrophysical Journal, 2019, 870, 134.	4.5	32
15	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. Astrophysical Journal, 2019, 871, 96.	4.5	32
16	IceCube Search for Neutrinos Coincident with Compact Binary Mergers from LIGO-Virgoâ€™s First Gravitational-wave Transient Catalog. Astrophysical Journal Letters, 2020, 898, L10.	8.3	30
17	A convolutional neural network based cascade reconstruction for the IceCube Neutrino Observatory. Journal of Instrumentation, 2021, 16, P07041.	1.2	29
18	Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU. Physical Review D, 2020, 101, .	4.7	25

#	Article	IF	Citations
19	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. Astrophysical Journal, 2020, 892, 92.	4.5	25
20	Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. Physical Review Letters, 2019, 122, 051102.	7.8	23
21	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. Astrophysical Journal, 2020, 892, 53.	4.5	20
22	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. Astrophysical Journal, 2020, 890, 111.	4.5	20
23	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. Astrophysical Journal, 2021, 910, 4.	4.5	18
24	Efficient propagation of systematic uncertainties from calibration to analysis with the SnowStorm method in IceCube. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 048-048.	5.4	14
25	In-situ calibration of the single-photoelectron charge response of the IceCube photomultiplier tubes. Journal of Instrumentation, 2020, 15, P06032-P06032.	1.2	14
26	Search for transient optical counterparts to high-energy IceCube neutrinos with Pan-STARRS1. Astronomy and Astrophysics, 2019, 626, A117.	5.1	13
27	All-flavor constraints on nonstandard neutrino interactions and generalized matter potential with three years of IceCube DeepCore data. Physical Review D, 2021, 104, .	4.7	13
28	Search for PeV Gamma-Ray Emission from the Southern Hemisphere with 5 Yr of Data from the IceCube Observatory. Astrophysical Journal, 2020, 891, 9.	4.5	12
29	Development of an analysis to probe the neutrino mass ordering with atmospheric neutrinos using three years of IceCube DeepCore data. European Physical Journal C, 2020, 80, 1.	3.9	12
30	Search for Multi-flare Neutrino Emissions in 10 yr of IceCube Data from a Catalog of Sources. Astrophysical Journal Letters, 2021, 920, L45.	8.3	12
31	A Search for Neutrino Point-source Populations in 7 yr of IceCube Data with Neutrino-count Statistics. Astrophysical Journal, 2020, 893, 102.	4.5	11
32	A Search for Time-dependent Astrophysical Neutrino Emission with IceCube Data from 2012 to 2017. Astrophysical Journal, 2021, 911, 67.	4.5	9
33	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. Astrophysical Journal, 2019, 872, 133.	4.5	7
34	Search for High-energy Neutrinos from Ultraluminous Infrared Galaxies with IceCube. Astrophysical Journal, 2022, 926, 59.	4.5	7
35	Velocity independent constraints on spin-dependent DM-nucleon interactions from IceCube and PICO. European Physical Journal C, 2020, 80, 1.	3.9	6
36	First all-flavor search for transient neutrino emission using 3-years of IceCube DeepCore data. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 027.	5.4	6

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37	Constraints on neutrino emission from nearby galaxies using the 2MASS redshift survey and IceCube. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 042-042.	5.4	5
38	Neutrinos below 100 TeV from the southern sky employing refined veto techniques to IceCube data. Astroparticle Physics, 2020, 116, 102392.	4.3	3
39	Design and performance of the first IceAct demonstrator at the South Pole. Journal of Instrumentation, 2020, 15, T02002-T02002.	1.2	3
40	Computational techniques for the analysis of small signals in high-statistics neutrino oscillation experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 977, 164332.	1.6	2