

# Gisela Anton

## List of Publications by Year in descending order

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482  
papers

22,923  
citations

8755

75  
h-index

11607

135  
g-index

491  
all docs

491  
docs citations

491  
times ranked

15949  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the neutrino mass ordering and oscillation parameters with KM3NeT/ORCA. European Physical Journal C, 2022, 82, 1.	3.9	27
2	Search for High-energy Neutrinos from Ultraluminous Infrared Galaxies with IceCube. Astrophysical Journal, 2022, 926, 59.	4.5	7
3	Comparing different approaches for stellar intensity interferometry. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1722-1729.	4.4	0
4	Improved Characterization of the Astrophysical Muon neutrino Flux with 9.5 Years of IceCube Data. Astrophysical Journal, 2022, 928, 50.	4.5	67
5	Single-exposure X-ray phase imaging microscopy with a grating interferometer. Journal of Synchrotron Radiation, 2022, 29, 794-806.	2.4	2
6	Searches for neutrinos from cosmic-ray interactions in the Sun using seven years of IceCube data. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 025-025.	5.4	4
7	Detection of a particle shower at the Glashow resonance with IceCube. Nature, 2021, 591, 220-224.	27.8	86
8	Follow-up of Astrophysical Transients in Real Time with the IceCube Neutrino Observatory. Astrophysical Journal, 2021, 910, 4.	4.5	18
9	IceCube-Gen2: the window to the extreme Universe. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 060501.	3.6	204
10	A Search for Time-dependent Astrophysical Neutrino Emission with IceCube Data from 2012 to 2017. Astrophysical Journal, 2021, 911, 67.	4.5	9
11	Search for GeV neutrino emission during intense gamma-ray solar flares with the IceCube Neutrino Observatory. Physical Review D, 2021, 103, .	4.7	5
12	Personal Dosimetry in Continuous Photon Radiation Fields With the Dosepix Detector. IEEE Transactions on Nuclear Science, 2021, 68, 1129-1134.	2.0	4
13	LeptonInjector and LeptonWeighter: A neutrino event generator and weighter for neutrino observatories. Computer Physics Communications, 2021, 266, 108018.	7.5	8
14	Noise Reduction for Single-Shot Grating-Based Phase-Contrast Imaging at an X-ray Backlighter. Journal of Imaging, 2021, 7, 178.	3.0	4
15	Architecture and performance of the KM3NeT front-end firmware. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.8	9
16	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. Astrophysical Journal, 2021, 906, 63.	4.5	9
17	Optical intensity interferometry lab tests in preparation of stellar diameter measurements at IACTs at GHz photon rates. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3113-3118.	4.4	2
18	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

#	ARTICLE	IF	CITATIONS
19	Search for Multi-flare Neutrino Emissions in 10 yr of IceCube Data from a Catalog of Sources. <i>Astrophysical Journal Letters</i> , 2021, 920, L45.	8.3	12
20	Model-independent search for neutrino sources with the ANTARES neutrino telescope. <i>Astroparticle Physics</i> , 2020, 114, 35-47.	4.3	2
21	Neutrinos below 100 TeV from the southern sky employing refined veto techniques to IceCube data. <i>Astroparticle Physics</i> , 2020, 116, 102392.	4.3	3
22	Assessment of the additional clinical potential of X-ray dark-field imaging for breast cancer in a preclinical setup. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592095793.	3.2	9
23	gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. <i>Computer Physics Communications</i> , 2020, 256, 107477.	7.5	14
24	Design and performance of the first IceAct demonstrator at the South Pole. <i>Journal of Instrumentation</i> , 2020, 15, T02002-T02002.	1.2	3
25	Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU. <i>Physical Review D</i> , 2020, 101, .	4.7	25
26	Discrimination analysis of breast calcifications using X-ray dark-field radiography. <i>Medical Physics</i> , 2020, 47, 1813-1826.	3.0	12
27	Evaluation of the Weighted Mean X-ray Energy for an Imaging System Via Propagation-Based Phase-Contrast Imaging. <i>Journal of Imaging</i> , 2020, 6, 63.	3.0	4
28	The Control Unit of the KM3NeT Data Acquisition System. <i>Computer Physics Communications</i> , 2020, 256, 107433.	7.5	8
29	Measurements of electron transport in liquid and gas Xenon using a laser-driven photocathode. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 972, 163965.	1.6	5
30	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. <i>Astrophysical Journal</i> , 2020, 892, 53.	4.5	20
31	Search for dark matter towards the Galactic Centre with 11 years of ANTARES data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135439.	4.1	26
32	Search for neutrino counterparts of gravitational-wave events detected by LIGO and Virgo during run O2 with the ANTARES telescope. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	9
33	Measurement of the spectral index of the IceCube -Decay of $^{137}\text{Xe}$ $\rightarrow$ $^{137}\text{Ba}$ $\gamma$ transition. <i>Physical Review Letters</i> , 2020, 125, 101101.	1.2	6
34	Reflectivity and PDE of VUV4 Hamamatsu SIPMs in liquid xenon. <i>Journal of Instrumentation</i> , 2020, 15, P01019-P01019.	1.2	9
35	Search for PeV Gamma-Ray Emission from the Southern Hemisphere with 5 Yr of Data from the IceCube Observatory. <i>Astrophysical Journal</i> , 2020, 891, 9.	4.5	12
36	Time-Integrated Neutrino Source Searches with 10 Years of IceCube Data. <i>Physical Review Letters</i> , 2020, 124, 051103.	7.8	221

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37	Dependence of atmospheric muon flux on seawater depth measured with the first KM3NeT detection units. European Physical Journal C, 2020, 80, 1.	3.9	20
38	A phase-sampling method for an X-ray Talbot-Lau scanner with continuous grating movement. Journal of Instrumentation, 2020, 15, P01010-P01010.	1.2	3
39	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
40	LED as laboratory test source for astronomical intensity interferometry. Optics Express, 2020, 28, 5248.	3.4	7
41	Maximum likelihood reconstruction for grating-based X-ray microscopy. Optics Express, 2020, 28, 13553.	3.4	3
42	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. Astrophysical Journal, 2020, 890, 111.	4.5	20
43	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
44	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. Astrophysical Journal, 2020, 892, 92.	4.5	25
45	Investigation of Two Fermi-LAT Gamma-Ray Blazars Coincident with High-energy Neutrinos Detected by IceCube. Astrophysical Journal, 2019, 880, 103.	4.5	60
46	Search for transient optical counterparts to high-energy IceCube neutrinos with Pan-STARRS1. Astronomy and Astrophysics, 2019, 626, A117.	5.1	13
47	Measuring the atmospheric neutrino oscillation parameters and constraining the 3+1 neutrino model with ten years of ANTARES data. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
48	Characterization of the Hamamatsu VUV4 MPPCs for nEXO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 371-379.	1.6	28
49	ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. Astrophysical Journal, 2019, 879, 108.	4.5	5
50	A 3-D Projection Model for X-ray Dark-field Imaging. Scientific Reports, 2019, 9, 9216.	3.3	6
51	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
52	Search for Neutrinoless Double- $\beta$ Decay with the Complete EXO-200 Dataset. Physical Review Letters, 2019, 123, 161802.	7.8	163
53	Cosmic ray spectrum and composition from PeV to EeV using 3 years of data from IceTop and IceCube. Physical Review D, 2019, 100, .	4.7	76
54	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. Astrophysical Journal, 2019, 886, 12.	4.5	53

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55	Simulation of charge readout with segmented tiles in nEXO. <i>Journal of Instrumentation</i> , 2019, 14, P09020-P09020.	1.2	8
56	A fast alignment method for grating-based X-ray phase-contrast imaging systems. <i>Journal of Instrumentation</i> , 2019, 14, P08003-P08003.	1.2	3
57	Letter of interest for a neutrino beam from Protvino to KM3NeT/ORCA. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	17
58	Search for steady point-like sources in the astrophysical muon neutrino flux with 8 years of IceCube data. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	75
59	Measurement of atmospheric tau neutrino appearance with IceCube DeepCore. <i>Physical Review D</i> , 2019, 99, .	4.7	53
60	Search for Multimessenger Sources of Gravitational Waves and High-energy Neutrinos with Advanced LIGO during Its First Observing Run, ANTARES, and IceCube. <i>Astrophysical Journal</i> , 2019, 870, 134.	4.5	32
61	Imaging individual barium atoms in solid xenon for barium tagging in nEXO. <i>Nature</i> , 2019, 569, 203-207.	27.8	26
62	Talbot-Lau x-ray phase-contrast setup for fast scanning of large samples. <i>Scientific Reports</i> , 2019, 9, 4199.	3.3	17
63	All-sky Measurement of the Anisotropy of Cosmic Rays at 10 TeV and Mapping of the Local Interstellar Magnetic Field. <i>Astrophysical Journal</i> , 2019, 871, 96.	4.5	32
64	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. <i>Astrophysical Journal</i> , 2019, 872, 133.	4.5	7
65	Sensitivity of the KM3NeT/ARCA neutrino telescope to point-like neutrino sources. <i>Astroparticle Physics</i> , 2019, 111, 100-110.	4.3	71
66	Constraints on Minute-Scale Transient Astrophysical Neutrino Sources. <i>Physical Review Letters</i> , 2019, 122, 051102.	7.8	23
67	Measurements using the inelasticity distribution of multi-TeV neutrino interactions in IceCube. <i>Physical Review D</i> , 2019, 99, .	4.7	55
68	Exploration of different x-ray Talbot-Lau setups for dark-field lung imaging examined in a porcine lung. <i>Physics in Medicine and Biology</i> , 2019, 64, 065013.	3.0	11
69	A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. <i>Astrophysical Journal</i> , 2019, 886, 98.	4.5	6
70	The search for high-energy neutrinos coincident with fast radio bursts with the ANTARES neutrino telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 184-193.	4.4	8
71	Simulation study on X-ray phase contrast imaging with dual-phase gratings. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 3-10.	2.8	6
72	KM3NeT front-end and readout electronics system: hardware, firmware, and software. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.8	18

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73	On the Characteristics of Helical 3D X-Ray Dark-Field Imaging. Informatik Aktuell, 2019, , 264-269.	0.6	0
74	Measurement of the high-energy all-flavor neutrino-nucleon cross section with IceCube. , 2019, , .		0
75	Phasenkontrast Röntgen mit 2 Phasengittern und medizinisch relevanten Detektoren. Informatik Aktuell, 2018, , 170-175.	0.6	0
76	Search for Neutrinoless Double-Beta Decay with the Upgraded EXO-200 Detector. Physical Review Letters, 2018, 120, 072701.	7.8	152
77	Measurement of Atmospheric Neutrino Oscillations at 6–56 GeV with IceCube DeepCore. Physical Review Letters, 2018, 120, 071801.	7.8	88
78	Implementation of a Talbot-Lau interferometer in a clinical-like c-arm setup: A feasibility study. Scientific Reports, 2018, 8, 2325.	3.3	21
79	The SURvey for Pulsars and Extragalactic Radio Bursts – II. New FRB discoveries and their follow-up. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1427-1446.	4.4	156
80	Search for nucleon decays with EXO-200. Physical Review D, 2018, 97, .	4.7	14
81	Search for nonstandard neutrino interactions with IceCube DeepCore. Physical Review D, 2018, 97, .	4.7	23
82	A preclinical Talbot-Lau prototype for x-ray dark-field imaging of human-sized objects. Medical Physics, 2018, 45, 2565-2571.	3.0	21
83	All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data. Astrophysical Journal Letters, 2018, 853, L7.	8.3	41
84	Characterization of an Ionization Readout Tile for nEXO. Journal of Instrumentation, 2018, 13, P01006-P01006.	1.2	14
85	Astrophysical neutrinos and cosmic rays observed by IceCube. Advances in Space Research, 2018, 62, 2902-2930.	2.6	20
86	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. IEEE Transactions on Nuclear Science, 2018, 65, 2823-2833.	2.0	29
87	Study of silicon photomultiplier performance in external electric fields. Journal of Instrumentation, 2018, 13, T09006-T09006.	1.2	5
88	Joint Constraints on Galactic Diffuse Neutrino Emission from the ANTARES and IceCube Neutrino Telescopes. Astrophysical Journal Letters, 2018, 868, L20.	8.3	64
89	The cosmic ray shadow of the Moon observed with the ANTARES neutrino telescope. European Physical Journal C, 2018, 78, 1006.	3.9	14
90	Single-shot Talbot-Lau x-ray dark-field imaging of a porcine lung applying the moiré imaging approach. Physics in Medicine and Biology, 2018, 63, 185010.	3.0	5

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91	Deep neural networks for energy and position reconstruction in EXO-200. Journal of Instrumentation, 2018, 13, P08023-P08023.	1.2	34
92	Phase-Sensitive Region-of-Interest Computed Tomography. Lecture Notes in Computer Science, 2018, , 137-144.	1.3	2
93	Search for neutrinos from decaying dark matter with IceCube. European Physical Journal C, 2018, 78, 831.	3.9	62
94	Long-term monitoring of the ANTARES optical module efficiencies using $40\text{ K}$ decays in sea water. European Physical Journal C, 2018, 78, 1.	3.9	10
95	Characterisation of the Hamamatsu photomultipliers for the KM3NeT Neutrino Telescope. Journal of Instrumentation, 2018, 13, P05035-P05035.	1.2	25
96	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
97	The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. Astrophysical Journal Letters, 2018, 863, L30.	8.3	24
98	Moiré artefact reduction in Talbot-Lau X-ray imaging. , 2018, , .		2
99	Enhanced reconstruction algorithm for moiré artifact suppression in Talbot-Lau x-ray imaging. Physics in Medicine and Biology, 2018, 63, 135018.	3.0	11
100	Non-Destructive Testing of Archaeological Findings by Grating-Based X-Ray Phase-Contrast and Dark-Field Imaging. Journal of Imaging, 2018, 4, 58.	3.0	22
101	Improved Reconstruction Technique for Moiré Imaging Using an X-Ray Phase-Contrast Talbot-Lau Interferometer. Journal of Imaging, 2018, 4, 62.	3.0	12
102	Neutrino interferometry for high-precision tests of Lorentz symmetry with IceCube. Nature Physics, 2018, 14, 961-966.	16.7	66
103	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
104	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. Science, 2018, 361, 147-151.	12.6	601
105	A Search for Neutrino Emission from Fast Radio Bursts with Six Years of IceCube Data. Astrophysical Journal, 2018, 857, 117.	4.5	22
106	Sensitivity and discovery potential of the proposed nEXO experiment to neutrinoless double- $\beta$ decay. Physical Review C, 2018, 97, .	2.9	115
107	Hairline fracture detection using Talbot-Lau x-ray imaging. , 2018, , .		1
108	Towards a dual phase grating interferometer on clinical hardware. , 2018, , .		0

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109	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. <i>Astrophysical Journal</i> , 2017, 835, 151.	4.5	198
110	Talbot-Lau X-ray phase contrast for tiling-based acquisitions without reference scanning. <i>Medical Physics</i> , 2017, 44, 1886-1898.	3.0	3
111	THE CONTRIBUTION OF FERMI-2LAC BLAZARS TO DIFFUSE TEV-PEV NEUTRINO FLUX. <i>Astrophysical Journal</i> , 2017, 835, 45.	4.5	186
112	Time-dependent search for neutrino emission from X-ray binaries with the ANTARES telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 019-019.	5.4	8
113	PINGU: a vision for neutrino and particle physics at the South Pole. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 054006.	3.6	45
114	Optimization procedure for a Talbot-Lau x-ray phase-contrast imaging system. <i>Journal of Instrumentation</i> , 2017, 12, P04018-P04018.	1.2	12
115	Sperm whale long-range echolocation sounds revealed by ANTARES, a deep-sea neutrino telescope. <i>Scientific Reports</i> , 2017, 7, 45517.	3.3	20
116	Results from the search for dark matter in the Milky Way with 9 years of data of the ANTARES neutrino telescope. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 769, 249-254.	4.1	52
117	Search for dark matter annihilation in the earth using the ANTARES neutrino telescope. <i>Physics of the Dark Universe</i> , 2017, 16, 41-48.	4.9	19
118	High-performance direct conversion X-ray detectors based on sintered hybrid lead triiodide perovskite wafers. <i>Nature Photonics</i> , 2017, 11, 436-440.	31.4	442
119	Towards quantification of kidney stones using X-ray dark-field tomography. , 2017, , .		5
120	Towards cartilage diagnosis in X-ray phase-contrast interferometry. , 2017, , .		0
121	The IceCube realtime alert system. <i>Astroparticle Physics</i> , 2017, 92, 30-41.	4.3	116
122	The IceCube Neutrino Observatory: instrumentation and online systems. <i>Journal of Instrumentation</i> , 2017, 12, P03012-P03012.	1.2	390
123	First all-flavor neutrino pointlike source search with the ANTARES neutrino telescope. <i>Physical Review D</i> , 2017, 96, .	4.7	60
124	Multi-messenger Observations of a Binary Neutron Star Merger <sup>*</sup> . <i>Astrophysical Journal Letters</i> , 2017, 848, L12.	8.3	2,805
125	Search for high-energy neutrinos from bright GRBs with ANTARES. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 906-915.	4.4	27
126	New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope. <i>Physical Review D</i> , 2017, 96, .	4.7	33



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127	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. Astrophysical Journal, 2017, 846, 136.	4.5	21
128	Trace radioactive impurities in final construction materials for EXO-200. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 871, 169-179.	1.6	25
129	Search for sterile neutrino mixing using three years of IceCube DeepCore data. Physical Review D, 2017, 95, .	4.7	75
130	Search for high-energy neutrinos from gravitational wave event GW151226 and candidate LVT151012 with ANTARES and IceCube. Physical Review D, 2017, 96, .	4.7	40
131	High-energy x-ray Talbot-Lau radiography of a human knee. Physics in Medicine and Biology, 2017, 62, 6729-6745.	3.0	20
132	Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
133	Search for annihilating dark matter in the Sun with 3 years of IceCube data. European Physical Journal C, 2017, 77, 1.	3.9	111
134	Measurement of the $\mu$ energy spectrum with IceCube-79. European Physical Journal C, 2017, 77, 692.	3.9	24
135	Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory. Astrophysical Journal Letters, 2017, 850, L35.	8.3	135
136	Measurement of the multi-TeV neutrino interaction cross-section with IceCube using Earth absorption. Nature, 2017, 551, 596-600.	27.8	113
137	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. Astrophysical Journal, 2017, 849, 67.	4.5	95
138	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. Astrophysical Journal, 2017, 843, 112.	4.5	116
139	Stacked search for time shifted high energy neutrinos from gamma ray bursts with the Antares neutrino telescope. European Physical Journal C, 2017, 77, 1.	3.9	8
140	First search for dark matter annihilations in the Earth with the IceCube detector. European Physical Journal C, 2017, 77, 1.	3.9	20
141	An algorithm for the reconstruction of high-energy neutrino-induced particle showers and its application to the ANTARES neutrino telescope. European Physical Journal C, 2017, 77, 419.	3.9	11
142	Measurement and simulative proof concerning the visibility loss in x-ray Talbot-Lau Moiré imaging. Journal of Instrumentation, 2017, 12, T12007-T12007.	1.2	4
143	Searches for double beta decay of $^{134}\text{Xe}$ with EXO-200. Physical Review D, 2017, 96, .	4.7	9
144	Search for relativistic magnetic monopoles with five years of the ANTARES detector data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9

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145	Search for neutrinos from dark matter self-annihilations in the center of the Milky Way with 3 years of IceCube/DeepCore. European Physical Journal C, 2017, 77, 1.	3.9	62
146	All-sky search for high-energy neutrinos from gravitational wave event GW170104 with the Antares neutrino telescope. European Physical Journal C, 2017, 77, 1.	3.9	13
147	An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. Astronomical Journal, 2017, 154, 275.	4.7	14
148	Analytical and simulative investigations of moiré artefacts in Talbot-Lau X-ray imaging. Optics Express, 2017, 25, 32897.	3.4	19
149	Multiwavelength follow-up of a rare IceCube neutrino multiplet. Astronomy and Astrophysics, 2017, 607, A115.	5.1	33
150	Improved reconstruction of phase-stepping data for Talbot-Lau x-ray imaging. Journal of Medical Imaging, 2017, 4, 1.	1.5	24
151	Zukünftige Entwicklungen in der Bildgebung. , 2017, , 201-218.		0
152	Simultaneous Maximum-Likelihood Reconstruction of Absorption Coefficient, Refractive Index and Dark-Field Scattering Coefficient in X-Ray Talbot-Lau Tomography. PLoS ONE, 2016, 11, e0163016.	2.5	6
153	Improved limits on dark matter annihilation in the Sun with the 79-string IceCube detector and implications for supersymmetry. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 022-022.	5.4	56
154	Evaluation of a new reconstruction algorithm for x-ray phase-contrast imaging. Proceedings of SPIE, 2016, , .	0.8	0
155	Very high-energy gamma-ray follow-up program using neutrino triggers from IceCube. Journal of Instrumentation, 2016, 11, P11009-P11009.	1.2	24
156	OBSERVATION AND CHARACTERIZATION OF A COSMIC MUON NEUTRINO FLUX FROM THE NORTHERN HEMISPHERE USING SIX YEARS OF ICECUBE DATA. Astrophysical Journal, 2016, 833, 3.	4.5	336
157	SEARCH FOR SOURCES OF HIGH-ENERGY NEUTRONS WITH FOUR YEARS OF DATA FROM THE ICETOP DETECTOR. Astrophysical Journal, 2016, 830, 129.	4.5	7
158	A method to stabilise the performance of negatively fed KM3NeT photomultipliers. Journal of Instrumentation, 2016, 11, P12014-P12014.	1.2	8
159	A beam hardening and dispersion correction for x-ray dark-field radiography. Medical Physics, 2016, 43, 2774-2779.	3.0	24
160	Constraints on Ultrahigh-Energy Cosmic-Ray Sources from a Search for Neutrinos above 10 <sup>16</sup> eV with IceCube. Physical Review Letters, 2016, 117, 241101.	7.8	111
161	Letter of intent for KM3NeT 2.0. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 084001.	3.6	512
162	3-D reconstruction of historical documents using an X-Ray C-Arm CT system. , 2016, , .		4

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163	Limits on dark matter annihilation in the sun using the ANTARES neutrino telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 69-74.	4.1	78
164	THE FIRST COMBINED SEARCH FOR NEUTRINO POINT-SOURCES IN THE SOUTHERN HEMISPHERE WITH THE ANTARES AND ICECUBE NEUTRINO TELESCOPES. Astrophysical Journal, 2016, 823, 65.	4.5	49
165	Time calibration with atmospheric muon tracks in the ANTARES neutrino telescope. Astroparticle Physics, 2016, 78, 43-51.	4.3	5
166	Coincidence of a high-fluence blazar outburst with a PeV-energy neutrino event. Nature Physics, 2016, 12, 807-814.	16.7	170
167	Constraints on the neutrino emission from the Galactic Ridge with the ANTARES telescope. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 143-148.	4.1	35
168	ANISOTROPY IN COSMIC-RAY ARRIVAL DIRECTIONS IN THE SOUTHERN HEMISPHERE BASED ON SIX YEARS OF DATA FROM THE ICECUBE DETECTOR. Astrophysical Journal, 2016, 826, 220.	4.5	72
169	Searches for Sterile Neutrinos with the IceCube Detector. Physical Review Letters, 2016, 117, 071801.	7.8	140
170	Designing the phase grating for Talbot-Lau phase-contrast imaging systems: a simulation and experiment study. Optics Express, 2016, 24, 13357.	3.4	15
171	All-flavour search for neutrinos from dark matter annihilations in the Milky Way with IceCube/DeepCore. European Physical Journal C, 2016, 76, 1.	3.9	37
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