

Uli F Katz

List of Publications by Year in descending order

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76
papers

5,374
citations

117625

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docs citations

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times ranked

8057
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. <i>Astrophysical Journal</i> , 2021, 906, 63.	4.5	9
2	gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. <i>Computer Physics Communications</i> , 2020, 256, 107477.	7.5	14
3	IceCube Search for Neutrinos Coincident with Compact Binary Mergers from LIGO-Virgo's First Gravitational-wave Transient Catalog. <i>Astrophysical Journal Letters</i> , 2020, 898, L10.	8.3	30
4	The Control Unit of the KM3NeT Data Acquisition System. <i>Computer Physics Communications</i> , 2020, 256, 107433.	7.5	8
5	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. <i>Astrophysical Journal</i> , 2020, 892, 53.	4.5	20
6	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
7	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. <i>Astrophysical Journal</i> , 2020, 890, 111.	4.5	20
8	A Search for Neutrino Point-source Populations in 7 yr of IceCube Data with Neutrino-count Statistics. <i>Astrophysical Journal</i> , 2020, 893, 102.	4.5	11
9	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. <i>Astrophysical Journal</i> , 2020, 892, 92.	4.5	25
10	IceCube Search for High-energy Neutrino Emission from TeV Pulsar Wind Nebulae. <i>Astrophysical Journal</i> , 2020, 898, 117.	4.5	21
11	ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. <i>Astrophysical Journal</i> , 2019, 879, 108.	4.5	5
12	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. <i>Astrophysical Journal</i> , 2019, 886, 12.	4.5	53
13	Concluding remarks – A personal view –. <i>EPJ Web of Conferences</i> , 2019, 207, 10001.	0.3	0
14	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
15	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
16	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
17	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
18	The 2014 TeV $\hat{\nu}_3$ -Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation. <i>Astrophysical Journal</i> , 2019, 870, 93.	4.5	47

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19	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
20	The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. <i>Astrophysical Journal Letters</i> , 2018, 863, L30.	8.3	24
21	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	12.6	654
22	Neutrino emission from the direction of the blazar TXS 0506+056 prior to the IceCube-170922A alert. <i>Science</i> , 2018, 361, 147-151.	12.6	601
23	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
24	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. <i>Astrophysical Journal</i> , 2017, 846, 136.	4.5	21
25	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. <i>Astrophysical Journal</i> , 2017, 849, 67.	4.5	95
26	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. <i>Astrophysical Journal</i> , 2017, 843, 112.	4.5	116
27	An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. <i>Astronomical Journal</i> , 2017, 154, 275.	4.7	14
28	OBSERVATION AND CHARACTERIZATION OF A COSMIC MUON NEUTRINO FLUX FROM THE NORTHERN HEMISPHERE USING SIX YEARS OF ICECUBE DATA. <i>Astrophysical Journal</i> , 2016, 833, 3.	4.5	336
29	SEARCHES FOR POINT-LIKE AND EXTENDED NEUTRINO SOURCES CLOSE TO THE GALACTIC CENTER USING THE ANTARES NEUTRINO TELESCOPE. <i>Astrophysical Journal Letters</i> , 2014, 786, L5.	8.3	88
30	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS $2155+304$ energy spectrum. <i>Physical Review D</i> , 2013, 88, .	4.7	112
31	Measurement of the atmospheric $\hat{1}\frac{1}{2}$ $\hat{1}\frac{1}{4}$ energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	51
32	First search for neutrinos in correlation with gamma-ray bursts with the ANTARES neutrino telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 006-006.	5.4	13
33	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 008-008.	5.4	32
34	The Era of Kilometer-Scale Neutrino Detectors. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-20.	1.1	4
35	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. <i>Journal of Instrumentation</i> , 2013, 8, T03006-T03006.	1.2	15
36	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. <i>PLoS ONE</i> , 2013, 8, e67523.	2.5	58

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37	NEUTRINOS AS COSMIC MESSENGERS IN THE ERA OF ICECUBE, ANTARES AND KM3NET. Acta Polytechnica, 2013, 53, 764-769.	0.6	0
38	The positioning system of the ANTARES Neutrino Telescope. Journal of Instrumentation, 2012, 7, T08002-T08002.	1.2	48
39	FIRST SEARCH FOR POINT SOURCES OF HIGH-ENERGY COSMIC NEUTRINOS WITH THE ANTARES NEUTRINO TELESCOPE. Astrophysical Journal Letters, 2011, 743, L14.	8.3	43
40	Acoustic Particle Detection with the ANTARES Detector. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	0
41	SIMULTANEOUS OBSERVATIONS OF PKS 2155-304 WITH HESS, FERMI, RXTE, AND ATOM: SPECTRAL ENERGY DISTRIBUTIONS AND VARIABILITY IN A LOW STATE. Astrophysical Journal, 2009, 696, L150-L155.	4.5	144
42	Radio Imaging of the Very-High-Energy γ -Ray Emission Region in the Central Engine of a Radio Galaxy. Science, 2009, 325, 444-448.	12.6	175
43	DISCOVERY OF VERY HIGH ENERGY γ -RAY EMISSION FROM CENTAURUS A WITH H.E.S.S.. Astrophysical Journal, 2009, 695, L40-L44.	4.5	177
44	Measurement of $D^* \Lambda$ production in deep inelastic Λ scattering at DESY HERA. Physical Review D, 2004, 69, .	4.7	94
45	Status of the ANTARES project. European Physical Journal C, 2004, 33, s971-s974.	3.9	8
46	Measurement of proton-dissociative diffractive photoproduction of vector mesons at large momentum transfer at HERA. European Physical Journal C, 2003, 26, 389-409.	3.9	60
47	Measurements of inelastic J/ψ and ψ' photoproduction at HERA. European Physical Journal C, 2003, 27, 173-188.	3.9	40
48	Measurement of event shapes in deep inelastic scattering at HERA. European Physical Journal C, 2003, 27, 531-545.	3.9	20
49	Measurement of high- Q^2 charged current cross sections in $e + p$ deep inelastic scattering at HERA. European Physical Journal C, 2003, 32, 1-16.	3.9	50
50	Search for resonance decays to lepton+jet at DESY HERA and limits on leptoquarks. Physical Review D, 2003, 68, .	4.7	37
51	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. Physical Review D, 2003, 67, .	4.7	139
52	Search for lepton-flavor violation in $e+pcollisions$ at DESY HERA. Physical Review D, 2002, 65, .	4.7	6
53	Properties of hadronic final states in diffractive deep inelastic scattering at DESY HERA. Physical Review D, 2002, 65, .	4.7	7
54	Exclusive photoproduction of J/ψ mesons at HERA. European Physical Journal C, 2002, 24, 345-360.	3.9	270

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55	Dijet production in neutral current deep inelastic scattering at HERA. European Physical Journal C, 2002, 23, 13-27.	3.9	32
56	Dijet photoproduction at HERA and the structure of the photon. European Physical Journal C, 2002, 23, 615-631.	3.9	55
57	Measurement of the neutral current cross section and F_2 structure function for deep inelastic e^+p scattering at HERA. European Physical Journal C, 2001, 21, 443-471.	3.9	326
58	Search for contact interactions in deep inelastic $e^+p \rightarrow e^+X$ scattering at HERA. European Physical Journal C, 2000, 14, 239-254.	3.9	16
59	Search for resonances decaying to e^+j in e^+p interactions at HERA. European Physical Journal C, 2000, 16, 253-267.	3.9	26
60	Measurement of the diffractive cross section in deep inelastic scattering using ZEUS 1994 data. European Physical Journal C, 1999, 6, 43.	3.9	35
61	Measurement of inclusive. European Physical Journal C, 1999, 6, 67.	3.9	66
62	Forward jet production in deep inelastic scattering at HERA. European Physical Journal C, 1999, 6, 239.	3.9	21
63	Exclusive electroproduction of. European Physical Journal C, 1999, 6, 603.	3.9	125
64	ZEUS results on the measurement and phenomenology of. European Physical Journal C, 1999, 7, 609.	3.9	194
65	Measurement of jet shapes in high-. European Physical Journal C, 1999, 8, 367.	3.9	21
66	Measurement of dijet photoproduction at high transverse energies at HERA. European Physical Journal C, 1999, 11, 35.	3.9	19
67	Measurement of multiplicity and momentum spectra in the current and target regions of the Breit frame in Deep Inelastic Scattering at HERA. European Physical Journal C, 1999, 11, 251.	3.9	34
68	Measurement of high-. European Physical Journal C, 1999, 11, 427.	3.9	41
69	Dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 1, 109.	3.9	27
70	Bounce α off in 197Au induced collisions with Ag(Br) nuclei at 11.6 A GeV/c. European Physical Journal A, 1998, 2, 61-67.	2.5	31
71	Mean-field transport theory for the two-flavour NJL model. European Physical Journal A, 1998, 2, 77-86.	2.5	5
72	Measurement of the diffractive structure function. European Physical Journal C, 1998, 1, 81.	3.9	59

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73	Measurement of the. European Physical Journal C, 1998, 2, 237.	3.9	10
74	Elastic and proton-dissociative. European Physical Journal C, 1998, 2, 247.	3.9	74
75	High-. European Physical Journal C, 1998, 4, 591.	3.9	13
76	Diffraction dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 5, 41.	3.9	24