Uli F Katz

List of Publications by Year
in descending order

76 papers	5,374 citations	117625 34 h-index	79698 73 g-index
76 all docs	76 docs citations	76 times ranked	8057 citing authors

#	Article	IF	Citations
1	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	12.6	654
2	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
3	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
4	Measurement of the neutral current cross section and $mathbf{F_2}$ structure function for deep inelastic $mathbf{e^+p}$ scattering at HERA. European Physical Journal C, 2001, 21, 443-471.	3.9	326
5	Exclusive photoproduction of J/psi mesons at HERA. European Physical Journal C, 2002, 24, 345-360.	3.9	270
6	All-sky Search for Time-integrated Neutrino Emission from Astrophysical Sources with 7 yr of IceCube Data. Astrophysical Journal, 2017, 835, 151.	4.5	198
7	ZEUS results on the measurement and phenomenology of. European Physical Journal C, 1999, 7, 609.	3.9	194
8	DISCOVERY OF VERY HIGH ENERGY Î³-RAY EMISSION FROM CENTAURUS A WITH H.E.S.S.. Astrophysical Journal, 2009, 695, L40-L44.	4.5	177
9	Radio Imaging of the Very-High-Energy Î³-Ray Emission Region in the Central Engine of a Radio Galaxy. Science, 2009, 325, 444-448.	12.6	175
10	SIMULTANEOUS OBSERVATIONS OF PKS 2155â€“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
11	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. Physical Review D, 2003, 67, .	4.7	139
12	Exclusive electroproduction of. European Physical Journal C, 1999, 6, 603.	3.9	125
13	Extending the Search for Muon Neutrinos Coincident with Gamma-Ray Bursts in IceCube Data. Astrophysical Journal, 2017, 843, 112.	4.5	116
14	Constraints on axionlike particles with H.E.S.S. from the irregularity of the PKS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2155</mml:mn><mml:mo>â^’</mml:mo><mml:mn>304</mml:mn></mml:math>energy spectrum. Physical Review D, 2013, 88, .	4.7	112
15	Constraints on Galactic Neutrino Emission with Seven Years of IceCube Data. Astrophysical Journal, 2017, 849, 67.	4.5	95
16	Measurement ofD*Â±production in deep inelasticeÂ±pscattering at DESY HERA. Physical Review D, 2004, 69, .	4.7	94
17	SEARCHES FOR POINT-LIKE AND EXTENDED NEUTRINO SOURCES CLOSE TO THE GALACTIC CENTER USING THE ANTARES NEUTRINO TELESCOPE. Astrophysical Journal Letters, 2014, 786, L5.	8.3	88
18	Elastic and proton-dissociative. European Physical Journal C, 1998, 2, 247.	3.9	74

#	Article	IF	Citations
19	Measurement of inclusive. European Physical Journal C, 1999, 6, 67.	3.9	66
20	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
21	Measurement of the diffractive structure function. European Physical Journal C, 1998, 1, 81.	3.9	59
22	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. PLoS ONE, 2013, 8, e67523.	2.5	58
23	Dijet photoproduction at HERA and the structure of the photon. European Physical Journal C, 2002, 23, 615-631.	3.9	55
24	Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events. Astrophysical Journal, 2019, 886, 12.	4.5	53
25	Measurement of the atmospheric Î½ Î¼ energy spectrum from 100 GeV to 200 TeV with the ANTARES telescope. European Physical Journal C, 2013, 73, 1.	3.9	51
26	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
27	The positioning system of the ANTARES Neutrino Telescope. Journal of Instrumentation, 2012, 7, T08002-T08002.	1.2	48
28	The 2014 TeV Î³-Ray Flare of Mrk 501 Seen with H.E.S.S.: Temporal and Spectral Constraints on Lorentz Invariance Violation. Astrophysical Journal, 2019, 870, 93.	4.5	47
29	FIRST SEARCH FOR POINT SOURCES OF HIGH-ENERGY COSMIC NEUTRINOS WITH THE ANTARES NEUTRINO TELESCOPE. Astrophysical Journal Letters, 2011, 743, L14.	8.3	43
30	Measurement of high-. European Physical Journal C, 1999, 11, 427.	3.9	41
31	Measurements of inelastic J/psi and psi^{prime} photoproduction at HERA. European Physical Journal C, 2003, 27, 173-188.	3.9	40
32	Search for resonance decays to lepton+jet at DESY HERA and limits on leptoquarks. Physical Review D, 2003, 68, .	4.7	37
33	Measurement of the diffractive cross section in deep inelastic scattering using ZEUS 1994 data. European Physical Journal C, 1999, 6, 43.	3.9	35
34	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
35	Dijet production in neutral current deep inelastic scattering at HERA. European Physical Journal C, 2002, 23, 13-27.	3.9	32
36	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 008-008.	5.4	32

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37	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
38	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
39	Bounce â€“ 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
40	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
41	Dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 1, 109.	3.9	27
42	Search for resonances decaying to e^+ -jet in e^+p interactions at HERA. European Physical Journal C, 2000, 16, 253-267.	3.9	26
43	ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky. Astrophysical Journal, 2020, 892, 92.	4.5	25
44	The Search for Neutrinos from TXS 0506+056 with the ANTARES Telescope. Astrophysical Journal Letters, 2018, 863, L30.	8.3	24
45	Diffractive dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 5, 41.	3.9	24
46	Search for Astrophysical Sources of Neutrinos Using Cascade Events in IceCube. Astrophysical Journal, 2017, 846, 136.	4.5	21
47	Forward jet production in deep inelastic scattering at HERA. European Physical Journal C, 1999, 6, 239.	3.9	21
48	Measurement of jet shapes in high-. European Physical Journal C, 1999, 8, 367.	3.9	21
49	IceCube Search for High-energy Neutrino Emission from TeV Pulsar Wind Nebulae. Astrophysical Journal, 2020, 898, 117.	4.5	21
50	Measurement of event shapes in deep inelastic scattering at HERA. European Physical Journal C, 2003, 27, 531-545.	3.9	20
51	A Search for IceCube Events in the Direction of ANITA Neutrino Candidates. Astrophysical Journal, 2020, 892, 53.	4.5	20
52	A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube. Astrophysical Journal, 2020, 890, 111.	4.5	20
53	Measurement of dijet photoproduction at high transverse energies at HERA. European Physical Journal C, 1999, 11, 35.	3.9	19
54	KM3NeT front-end and readout electronics system: hardware, firmware, and software. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.8	18

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55	Search for contact interactions in deep inelastic $e^+po e^+X$ scattering at HERA. European Physical Journal C, 2000, 14, 239-254.	3.9	16
56	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. Journal of Instrumentation, 2013, 8, T03006-T03006.	1.2	15
57	An Algorithm for the Reconstruction of Neutrino-induced Showers in the ANTARES Neutrino Telescope. Astronomical Journal, 2017, 154, 275.	4.7	14
58	gSeaGen: The KM3NeT GENIE-based code for neutrino telescopes. Computer Physics Communications, 2020, 256, 107477.	7.5	14
59	First search for neutrinos in correlation with gamma-ray bursts with the ANTARES neutrino telescope. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 006-006.	5.4	13
60	High-. European Physical Journal C, 1998, 4, 591.	3.9	13
61	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
62	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
63	Measurement of the. European Physical Journal C, 1998, 2, 237.	3.9	10
64	Multimessenger Gamma-Ray and Neutrino Coincidence Alerts Using HAWC and IceCube Subthreshold Data. Astrophysical Journal, 2021, 906, 63.	4.5	9
65	Status of the ANTARES project. European Physical Journal C, 2004, 33, s971-s974.	3.9	8
66	The Control Unit of the KM3NeT Data Acquisition System. Computer Physics Communications, 2020, 256, 107433.	7.5	8
67	Properties of hadronic final states in diffractive deep inelasticepscattering at DESY HERA. Physical Review D, 2002, 65, .	4.7	7
68	Detection of the Temporal Variation of the Sun's Cosmic Ray Shadow with the IceCube Detector. Astrophysical Journal, 2019, 872, 133.	4.5	7
69	Search for lepton-flavor violation ine+pcollisions at DESY HERA. Physical Review D, 2002, 65, .	4.7	6
70	A Search for Cosmic Neutrino and Gamma-Ray Emitting Transients in 7.3 yr of ANTARES and Fermi LAT Data. Astrophysical Journal, 2019, 886, 98.	4.5	6
71	Mean-field transport theory for the two-flavour NJL model. European Physical Journal A, 1998, 2, 77-86.	2.5	5
72	ANTARES Neutrino Search for Time and Space Correlations with IceCube High-energy Neutrino Events. Astrophysical Journal, 2019, 879, 108.	4.5	5

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73	The Era of Kilometer-Scale Neutrino Detectors. Advances in High Energy Physics, 2013, 2013, 1-20.	1.1	4
74	Acoustic Particle Detection with the ANTARES Detector. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	0
75	NEUTRINOS AS COSMIC MESSENGERS IN THE ERA OF ICECUBE, ANTARES AND KM3NET. Acta Polytechnica, 2013, 53, 764-769.	0.6	0
76	Concluding remarks â€“ A personal view â€“. EPJ Web of Conferences, 2019, 207, 10001.	0.3	0