Takaaki Kajita

List of Publications by Year
in descending order

58	17,592	66343 42	149698 56
papers	citations	h-index	g-index

58	58	58	6088
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for Oscillation of Atmospheric Neutrinos. Physical Review Letters, 1998, 81, 1562-1567.	7.8	4,064
2	Observation of a neutrino burst from the supernova SN1987A. Physical Review Letters, 1987, 58, 1490-1493.	7.8	1,653
3	Indication of Electron Neutrino Appearance from an Accelerator-Produced Off-Axis Muon Neutrino Beam. Physical Review Letters, 2011, 107, 041801.	7.8	1,054
4	The Super-Kamiokande detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 501, 418-462.	1.6	696
5	Atmospheric ratio in the multi-GeV energy range. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 335, 237-245.	4.1	657
6	Measurement of atmospheric neutrino oscillation parameters by Super-Kamiokande I. Physical Review D, 2005, 71, .	4.7	640
7	Tau Neutrinos Favored over Sterile Neutrinos in Atmospheric Muon Neutrino Oscillations. Physical Review Letters, 2000, 85, 3999-4003.	7.8	609
8	Evidence for an Oscillatory Signature in Atmospheric Neutrino Oscillations. Physical Review Letters, 2004, 93, 101801.	7.8	538
9	Observation of a small atmospheric vÎ¼/ve ratio in Kamiokande. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 280, 146-152.	4.1	522
10	Measurement of neutrino oscillation by the K2K experiment. Physical Review D, 2006, 74, .	4.7	498
11	Measurement of the Flux and Zenith-Angle Distribution of Upward Throughgoing Muons by Super-Kamiokande. Physical Review Letters, 1999, 82, 2644-2648.	7.8	492
12	Measurement of a small atmospheric Î½Î¼/Î½e ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 9-18.	4.1	491
13	Experimental study of the atmospheric neutrino flux. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 205, 416-420.	4.1	442
14	Study of the atmospheric neutrino flux in the multi-GeV energy range. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 33-41.	4.1	416
15	Solar neutrino measurements in Super-Kamiokande-I. Physical Review D, 2006, 73, .	4.7	390
16	Evidence for Muon Neutrino Oscillation in an Accelerator-Based Experiment. Physical Review Letters, 2005, 94, 081802.	7.8	375
17	Observation ofB8solar neutrinos in the Kamiokande-II detector. Physical Review Letters, 1989, 63, 16-19.	7.8	364
18	Results from one thousand days of real-time, directional solar-neutrino data. Physical Review Letters, 1990, 65, 1297-1300.	7.8	359

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19	Calculation of atmospheric neutrino flux using the interaction model calibrated with atmospheric muon data. Physical Review D, 2007, 75, .	4.7	338
20	Constraint on the matterâ€“antimatter symmetry-violating phase in neutrino oscillations. Nature, 2020, 580, 339-344.	27.8	313
21	Atmospheric neutrino flux calculation using the NRLMSISE-00 atmospheric model. Physical Review D, 2015, 92, .	4.7	175
22	New calculation of the atmospheric neutrino flux in a three-dimensional scheme. Physical Review D, 2004, 70, .	4.7	169
23	Nobel Lecture: Discovery of atmospheric neutrino oscillations. Reviews of Modern Physics, 2016, 88, .	45.6	167
24	Neutrino-induced upward stopping muons in Super-Kamiokande. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 467, 185-193.	4.1	162
25	Search for Supernova Neutrino Bursts at Superâ€Kamiokande. Astrophysical Journal, 2007, 669, 519-524.	4.5	138
26	Constraints on neutrino-oscillation parameters from the Kamiokande-II solar-neutrino data. Physical Review Letters, 1990, 65, 1301-1304.	7.8	132
27	Resolving the neutrino mass hierarchy andCPdegeneracy by two identical detectors with different baselines. Physical Review D, 2005, 72, .	4.7	127
28	Improvement of low energy atmospheric neutrino flux calculation using the JAM nuclear interaction model. Physical Review D, 2011, 83, .	4.7	127
29	Search for day-night and semiannual variations in the solar neutrino flux observed in the Kamiokande-II detector. Physical Review Letters, 1991, 66, 9-12.	7.8	117
30	OSCILLATIONS OFATMOSPHERICNEUTRINOS. Annual Review of Nuclear and Particle Science, 2001, 51, 451-488.	10.2	114
31	Search for Proton Decay via<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>â†’</mml:mo><mml:msup><mml:mi>e</mml:mi><mml:mo>+</mml:mo></mml:msup> xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>â†’</mml:mo><mml:msup><mml:mi>Î¼</mml:mi><mml:mo>+</mml:mo></mml:msup> a Large W. Physical Review Letters, 2009, 102, 141801.	7.8	109
32	Calibration of Super-Kamiokande using an electron LINAC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 421, 113-129.	1.6	101
33	Measurement of Atmospheric Neutrino Flux Consistent with Tau Neutrino Appearance. Physical Review Letters, 2006, 97, 171801.	7.8	96
34	Atmospheric neutrino results from Super-Kamiokande and Kamiokande â€” Evidence for Î½Î¼ oscillations. Nuclear Physics, Section B, Proceedings Supplements, 1999, 77, 123-132.	0.4	83
35	Search for nucleon decay via modes favored by supersymmetric grand unification models in Super-Kamiokande-I. Physical Review D, 2005, 72, .	4.7	82
36	Atmospheric Neutrino Background and Pion Nuclear Effect for KAMIOKA Nucleon Decay Experiment. Journal of the Physical Society of Japan, 1986, 55, 3786-3805.	1.6	80

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37	Evidence for the Appearance of Atmospheric Tau Neutrinos in Super-Kamiokande. Physical Review Letters, 2013, 110, 181802.	7.8	78
38	Measurements of the atmospheric neutrino flux by Super-Kamiokande: Energy spectra, geomagnetic effects, and solar modulation. Physical Review D, 2016, 94, .	4.7	73
39	Study of nonstandard neutrino interactions with atmospheric neutrino data in Super-Kamiokande I and II. Physical Review D, 2011, 84, .	4.7	72
40	Real-time supernova neutrino burst monitor at Super-Kamiokande. Astroparticle Physics, 2016, 81, 39-48.	4.3	65
41	Search for proton decay via <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo stretchy="false">â†’</mml:mo><mml:msup><mml:mi>e</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>Ï€</mml:mi> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo stretchy="false">â†’</mml:mo><mml:msup><mml:mi>Î¼</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>Ï€</mml:mi>	4.7	48
42	Improved Search forÎ½Î¼â†’Î½eOscillation in a Long-Baseline Accelerator Experiment. Physical Review Letters, 2006, 96, 181801.	7.8	45
43	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow> quasielastic cross section on carbon with the ND280 detector at T2K. Physical Review D, 2015, 92, .	4.7	42
44	Search for Nucleon Decay into Charged Lepton+Mesons. Journal of the Physical Society of Japan, 1985, 54, 3213-3216.	1.6	38
45	Atmospheric neutrino flux at INO, South Pole and PyhÃsalmi. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1375-1380.	4.1	36
46	Study of cosmic ray interaction model based on atmospheric muons for the neutrino flux calculation. Physical Review D, 2007, 75, .	4.7	35
47	20 inch diameter photomultiplier. Nuclear Instruments & Methods in Physics Research, 1983, 205, 443-449.	0.9	34
48	Status and perspectives of neutrino physics. Progress in Particle and Nuclear Physics, 2022, 124, 103947.	14.4	31
49	Measurement of radon concentrations at Super-Kamiokande. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 452, 418-424.	4.1	28
50	Search for Nucleon Decays Catalyzed by Magnetic Monopoles. Journal of the Physical Society of Japan, 1985, 54, 4065-4068.	1.6	26
51	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
52	Search for Nucleon Decays into Anti-Neutrino+Mesons. Journal of the Physical Society of Japan, 1986, 55, 711-714.	1.6	16
53	Reduction of the uncertainty in the atmospheric neutrino flux prediction below 1ÂGeV using accurately measured atmospheric muon flux. Physical Review D, 2019, 100, .	4.7	7
54	On the origin of the Kamiokande experiment and neutrino astrophysics. European Physical Journal H, 2012, 37, 33-73.	0.8	5

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55	Discovery of atmospheric neutrino oscillations**. Annalen Der Physik, 2016, 528, 459-468.	2.4	2
56	Future of neutrino experiments. Pramana - Journal of Physics, 2009, 72, 109-117.	1.8	1
57	Neutrino mass and oscillations. Space Science Reviews, 2002, 100, 221-233.	8.1	0
58	Results from solar, atmospheric and K2K experiments and future possibilities with T2K. Pramana - Journal of Physics, 2006, 67, 639-653.	1.8	0