

Takaaki Kajita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7759027/publications.pdf>

Version: 2024-02-01

58
papers

17,592
citations

66343

42
h-index

149698

56
g-index

58
all docs

58
docs citations

58
times ranked

6088
citing authors

#	ARTICLE	IF	CITATIONS
1	Status and perspectives of neutrino physics. Progress in Particle and Nuclear Physics, 2022, 124, 103947.	14.4	31
2	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
3	Constraint on the matter-antimatter symmetry-violating phase in neutrino oscillations. Nature, 2020, 580, 339-344.	27.8	313
4	Search for proton decay via $p \rightarrow e \pi^0$ and $p \rightarrow \mu^+ \pi^-$. Physical Review D, 2019, 100, .	4.7	48
5	Reduction of the uncertainty in the atmospheric neutrino flux prediction below 1 AGeV using accurately measured atmospheric muon flux. Physical Review D, 2019, 100, .	4.7	7
6	Measurements of the atmospheric neutrino flux by Super-Kamiokande: Energy spectra, geomagnetic effects, and solar modulation. Physical Review D, 2016, 94, .	4.7	73
7	Discovery of atmospheric neutrino oscillations**. Annalen Der Physik, 2016, 528, 459-468.	2.4	2
8	Nobel Lecture: Discovery of atmospheric neutrino oscillations. Reviews of Modern Physics, 2016, 88, .	45.6	167
9	Real-time supernova neutrino burst monitor at Super-Kamiokande. Astroparticle Physics, 2016, 81, 39-48.	4.3	65
10	Atmospheric neutrino flux calculation using the NRLMSISE-00 atmospheric model. Physical Review D, 2015, 92, .	4.7	175
11	Measurement of the quasielastic cross section on carbon with the ND280 detector at T2K. Physical Review D, 2015, 92, .	4.1	36
12	Atmospheric neutrino flux at INO, South Pole and Pyh�asalmi. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1375-1380.	4.1	36
13	Evidence for the Appearance of Atmospheric Tau Neutrinos in Super-Kamiokande. Physical Review Letters, 2013, 110, 181802.	7.8	78
14	On the origin of the Kamiokande experiment and neutrino astrophysics. European Physical Journal H, 2012, 37, 33-73.	0.8	5
15	Study of nonstandard neutrino interactions with atmospheric neutrino data in Super-Kamiokande I and II. Physical Review D, 2011, 84, .	4.7	72
16	Indication of Electron Neutrino Appearance from an Accelerator-Produced Off-Axis Muon Neutrino Beam. Physical Review Letters, 2011, 107, 041801.	7.8	1,054
17	Improvement of low energy atmospheric neutrino flux calculation using the JAM nuclear interaction model. Physical Review D, 2011, 83, .	4.7	127
18	Search for Proton Decay via $p \rightarrow e \pi^0$ and $p \rightarrow \mu^+ \pi^-$. Physical Review Letters, 2009, 102, 141801.	7.8	109

#	ARTICLE	IF	CITATIONS
19	Future of neutrino experiments. <i>Pramana - Journal of Physics</i> , 2009, 72, 109-117.	1.8	1
20	Search for Supernova Neutrino Bursts at Super-Kamiokande. <i>Astrophysical Journal</i> , 2007, 669, 519-524.	4.5	138
21	Study of cosmic ray interaction model based on atmospheric muons for the neutrino flux calculation. <i>Physical Review D</i> , 2007, 75, .	4.7	35
22	Calculation of atmospheric neutrino flux using the interaction model calibrated with atmospheric muon data. <i>Physical Review D</i> , 2007, 75, .	4.7	338
23	Measurement of neutrino oscillation by the K2K experiment. <i>Physical Review D</i> , 2006, 74, .	4.7	498
24	Solar neutrino measurements in Super-Kamiokande-I. <i>Physical Review D</i> , 2006, 73, .	4.7	390
25	Results from solar, atmospheric and K2K experiments and future possibilities with T2K. <i>Pramana - Journal of Physics</i> , 2006, 67, 639-653.	1.8	0
26	Improved Search for $\nu_{\tau} \rightarrow \nu_{\mu}$ Oscillation in a Long-Baseline Accelerator Experiment. <i>Physical Review Letters</i> , 2006, 96, 181801.	7.8	45
27	Measurement of Atmospheric Neutrino Flux Consistent with Tau Neutrino Appearance. <i>Physical Review Letters</i> , 2006, 97, 171801.	7.8	96
28	Resolving the neutrino mass hierarchy and CP degeneracy by two identical detectors with different baselines. <i>Physical Review D</i> , 2005, 72, .	4.7	127
29	Measurement of atmospheric neutrino oscillation parameters by Super-Kamiokande I. <i>Physical Review D</i> , 2005, 71, .	4.7	640
30	Search for nucleon decay via modes favored by supersymmetric grand unification models in Super-Kamiokande-I. <i>Physical Review D</i> , 2005, 72, .	4.7	82
31	Evidence for Muon Neutrino Oscillation in an Accelerator-Based Experiment. <i>Physical Review Letters</i> , 2005, 94, 081802.	7.8	375
32	New calculation of the atmospheric neutrino flux in a three-dimensional scheme. <i>Physical Review D</i> , 2004, 70, .	4.7	169
33	Evidence for an Oscillatory Signature in Atmospheric Neutrino Oscillations. <i>Physical Review Letters</i> , 2004, 93, 101801.	7.8	538
34	The Super-Kamiokande detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 501, 418-462.	1.6	696
35	Neutrino mass and oscillations. <i>Space Science Reviews</i> , 2002, 100, 221-233.	8.1	0
36	OSCILLATIONS OF ATMOSPHERIC NEUTRINOS. <i>Annual Review of Nuclear and Particle Science</i> , 2001, 51, 451-488.	10.2	114

#	ARTICLE	IF	CITATIONS
37	Tau Neutrinos Favored over Sterile Neutrinos in Atmospheric Muon Neutrino Oscillations. Physical Review Letters, 2000, 85, 3999-4003.	7.8	609
38	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
39	Atmospheric neutrino results from Super-Kamiokande and Kamiokande – Evidence for $\hat{\nu}_2\hat{\nu}_4$ oscillations. Nuclear Physics, Section B, Proceedings Supplements, 1999, 77, 123-132.	0.4	83
40	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
41	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
42	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
43	Measurement of a small atmospheric $\hat{\nu}_2\hat{\nu}_4/\hat{\nu}_2e$ ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 9-18.	4.1	491
44	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
45	Evidence for Oscillation of Atmospheric Neutrinos. Physical Review Letters, 1998, 81, 1562-1567.	7.8	4,064
46	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
47	Observation of a small atmospheric $\hat{\nu}_2\hat{\nu}_4/\hat{\nu}_2e$ ratio in Kamiokande. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 280, 146-152.	4.1	522
48	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
49	Results from one thousand days of real-time, directional solar-neutrino data. Physical Review Letters, 1990, 65, 1297-1300.	7.8	359
50	Constraints on neutrino-oscillation parameters from the Kamiokande-II solar-neutrino data. Physical Review Letters, 1990, 65, 1301-1304.	7.8	132
51	Observation of B_8 solar neutrinos in the Kamiokande-II detector. Physical Review Letters, 1989, 63, 16-19.	7.8	364
52	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
53	Observation of a neutrino burst from the supernova SN1987A. Physical Review Letters, 1987, 58, 1490-1493.	7.8	1,653
54	Search for Nucleon Decays into Anti-Neutrino+Mesons. Journal of the Physical Society of Japan, 1986, 55, 711-714.	1.6	16

#	ARTICLE	IF	CITATIONS
55	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
56	Search for Nucleon Decays Catalyzed by Magnetic Monopoles. Journal of the Physical Society of Japan, 1985, 54, 4065-4068.	1.6	26
57	Search for Nucleon Decay into Charged Lepton+Mesons. Journal of the Physical Society of Japan, 1985, 54, 3213-3216.	1.6	38
58	20 inch diameter photomultiplier. Nuclear Instruments & Methods in Physics Research, 1983, 205, 443-449.	0.9	34