

Yoshihisa Obayashi

List of Publications by Year in descending order

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146
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6679
citing authors

#	ARTICLE	IF	CITATIONS
1	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
2	The Current Status and Future Prospects of KAGRA, the Large-Scale Cryogenic Gravitational Wave Telescope Built in the Kamioka Underground. Galaxies, 2022, 10, 63.	3.0	13
3	Solar neutrino measurements in Super-Kamiokande-IV. Physical Review D, 2016, 94, .	4.7	187
4	Search for $\bar{\nu}_e$ oscillation in Super-Kamiokande. Physical Review D, 2015, 91, .	4.7	78
5	Search for proton decay via $\bar{\nu}_e$ and $\bar{\nu}_\mu$ in Super-Kamiokande. Physical Review Letters, 2014, 112, 131803.	4.7	78
6	Search for proton decay via $\bar{\nu}_e$ and $\bar{\nu}_\mu$ in Super-Kamiokande. Physical Review Letters, 2014, 112, 131803.	4.7	78
7	Search for Dinucleon Decay into Kaons in Super-Kamiokande. Physical Review Letters, 2014, 112, 131803.	7.8	24
8	Calibration of the Super-Kamiokande detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 737, 253-272.	1.6	97
9	Development of new data acquisition system at Super-Kamiokande for nearby supernova bursts. , 2014, , .		0
10	Development of New Data Acquisition System at Super-Kamiokande for Nearby Supernova Bursts. IEEE Transactions on Nuclear Science, 2013, 60, 3694-3697.	2.0	1
11	T2K neutrino flux prediction. Physical Review D, 2013, 87, .	4.7	165
12	Measurement of the inclusive $\bar{\nu}_e$ charged current cross section on carbon in the near detector of the T2K experiment. Physical Review D, 2013, 87, .	4.7	94
13	Evidence for the Appearance of Atmospheric Tau Neutrinos in Super-Kamiokande. Physical Review Letters, 2013, 110, 181802.	7.8	78
14	Evidence of electron neutrino appearance in a muon neutrino beam. Physical Review D, 2013, 88, .	4.7	116
15	First muon-neutrino disappearance study with an off-axis beam. Physical Review D, 2012, 85, .	4.7	77
16	Search for proton decay via $\bar{\nu}_e$ and $\bar{\nu}_\mu$ in Super-Kamiokande I, II, and III. Physical Review D, 2012, 86, .	4.7	31
17	Supernova relic neutrino search at super-Kamiokande. Physical Review D, 2012, 85, .	4.7	146
18	Development of new data acquisition system at Super-Kamiokande for nearby supernova bursts. , 2012, , .		0

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19	Search for GUT monopoles at Super-Kamiokande. <i>Astroparticle Physics</i> , 2012, 36, 131-136.	4.3	25
20	Measurements of the T2K neutrino beam properties using the INGRID on-axis near detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 694, 211-223.	1.6	86
21	Development of New Data Acquisition System for Nearby Supernova Bursts at Super-Kamiokande. <i>Physics Procedia</i> , 2012, 37, 1398-1405.	1.2	0
22	Search for nucleon decay into charged antilepton plus meson in Super-Kamiokande I and II. <i>Physical Review D</i> , 2012, 85, .	4.7	60
23	Study of nonstandard neutrino interactions with atmospheric neutrino data in Super-Kamiokande I and II. <i>Physical Review D</i> , 2011, 84, .	4.7	72
24	The T2K experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 659, 106-135.	1.6	585
25	Indication of Electron Neutrino Appearance from an Accelerator-Produced Off-Axis Muon Neutrino Beam. <i>Physical Review Letters</i> , 2011, 107, 041801.	7.8	1,054
26	Solar neutrino results in Super-Kamiokande-III. <i>Physical Review D</i> , 2011, 83, .	4.7	285
27	Measurement of inclusive μ production in the charged-current interactions of neutrinos in a 1.3-GeV wide band beam. <i>Physical Review D</i> , 2011, 83, .	4.7	13
28	Search for Differences in Oscillation Parameters for Atmospheric Neutrinos and Antineutrinos at Super-Kamiokande. <i>Physical Review Letters</i> , 2011, 107, 241801.	7.8	66
29	AN INDIRECT SEARCH FOR WEAKLY INTERACTING MASSIVE PARTICLES IN THE SUN USING 3109.6 DAYS OF UPWARD-GOING MUONS IN SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2011, 742, 78.	4.5	150
30	Atmospheric neutrino oscillation analysis with subleading effects in Super-Kamiokande I, II, and III. <i>Physical Review D</i> , 2010, 81, .	4.7	210
31	Commissioning of the New Electronics and Online System for the Super-Kamiokande Experiment. <i>IEEE Transactions on Nuclear Science</i> , 2010, 57, 428-432.	2.0	32
32	SEARCH FOR NEUTRINOS FROM GRB 080319B AT SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2009, 697, 730-734.	4.5	8
33	SEARCH FOR ASTROPHYSICAL NEUTRINO POINT SOURCES AT SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2009, 704, 503-512.	4.5	29
34	Kinematic reconstruction of atmospheric neutrino events in a large water Cherenkov detector with proton identification. <i>Physical Review D</i> , 2009, 79, .	4.7	25
35	Search for Proton Decay via $p \rightarrow e \pi^+$. <i>Physical Review Letters</i> , 2009, 102, 141801.	7.8	109
36	First study of neutron tagging with a water Cherenkov detector. <i>Astroparticle Physics</i> , 2009, 31, 320-328.	4.3	70

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37	Commissioning of the new electronics and online system for the Super-Kamiokande experiment. , 2009, , .		1
38	Study of TeV neutrinos with upward showering muons in Super-Kamiokande. Astroparticle Physics, 2008, 29, 42-54.	4.3	50
39	The Development of the New Data Acquisition System Without Hardware Trigger for the Super-Kamiokande Experiment. IEEE Transactions on Nuclear Science, 2008, 55, 683-686.	2.0	3
40	Final results on oscillation from the CHORUS experiment. Nuclear Physics B, 2008, 793, 326-343.	2.5	52
41	Solar neutrino measurements in Super-Kamiokande-II. Physical Review D, 2008, 78, .	4.7	258
42	Experimental study of the atmospheric neutrino backgrounds for τ + e searches in water Cherenkov detectors. Physical Review D, 2008, 77, .	4.7	9
43	Search for matter-dependent atmospheric neutrino oscillations in Super-Kamiokande. Physical Review D, 2008, 77, .	4.7	15
44	Measurement of single charged pion production in the charged-current interactions of neutrinos in a 1.3 Å GeV wide band beam. Physical Review D, 2008, 78, .	4.7	39
45	Commissioning of the new online system for the Super-Kamiokande experiment. , 2008, , .		0
46	Observation of the anisotropy of 10Å TeV primary cosmic ray nuclei flux with the Super-Kamiokande-I detector. Physical Review D, 2007, 75, .	4.7	134
47	New online system without hardware trigger for the Super-Kamiokande experiment. , 2007, , .		0
48	Search for Supernova Neutrino Bursts at Super-Kamiokande. Astrophysical Journal, 2007, 669, 519-524.	4.5	138
49	Search for neutral Q-balls in Super-Kamiokande II. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 18-22.	4.1	34
50	Measurement of neutrino oscillation by the K2K experiment. Physical Review D, 2006, 74, .	4.7	498
51	Three flavor neutrino oscillation analysis of atmospheric neutrinos in Super-Kamiokande. Physical Review D, 2006, 74, .	4.7	146
52	Measurement of the quasielastic axial vector mass in neutrino interactions on oxygen. Physical Review D, 2006, 74, .	4.7	143
53	Solar neutrino measurements in Super-Kamiokande-I. Physical Review D, 2006, 73, .	4.7	390
54	High-Energy Neutrino Astronomy Using Upward-Going Muons in Super-Kamiokande I. Astrophysical Journal, 2006, 652, 198-205.	4.5	22

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55	Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High Energy Upward-Going Muons in Super-Kamiokande I. <i>Astrophysical Journal</i> , 2006, 652, 206-215.	4.5	16
56	Improved Search for $\nu_{\mu} \rightarrow \nu_{\tau}$ Oscillation in a Long-Baseline Accelerator Experiment. <i>Physical Review Letters</i> , 2006, 96, 181801.	7.8	45
57	Measurement of Atmospheric Neutrino Flux Consistent with Tau Neutrino Appearance. <i>Physical Review Letters</i> , 2006, 97, 171801.	7.8	96
58	Measurement of single π^0 production in neutral current neutrino interactions with water by a 1.3 GeV wide band muon neutrino beam. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 619, 255-262.	4.1	59
59	Search for Coherent Charged Pion Production in Neutrino-Carbon Interactions. <i>Physical Review Letters</i> , 2005, 95, 252301.	7.8	106
60	Measurement of atmospheric neutrino oscillation parameters by Super-Kamiokande I. <i>Physical Review D</i> , 2005, 71, .	4.7	640
61	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
62	Evidence for Muon Neutrino Oscillation in an Accelerator-Based Experiment. <i>Physical Review Letters</i> , 2005, 94, 081802.	7.8	375
63	NEUTRINO BI-LARGE MIXINGS AND FAMILY. , 2004, , .		0
64	MOON(MO OBSERVATORY OF NEUTRINOS) FOR NEUTRINO STUDIES BY DOUBLE BETA DECAYS AND LOW ENERGY SOLAR NEUTRINOS. , 2004, , .		0
65	Search for dark matter WIMPs using upward through-going muons in Super-Kamiokande. <i>Physical Review D</i> , 2004, 70, .	4.7	231
66	Precise measurement of the solar neutrino day-night and seasonal variation in Super-Kamiokande-I. <i>Physical Review D</i> , 2004, 69, .	4.7	172
67	Search for Electron Neutrino Appearance in a 250 km Long-Baseline Experiment. <i>Physical Review Letters</i> , 2004, 93, 051801.	7.8	50
68	Limits on the Neutrino Magnetic Moment using 1496 Days of Super-Kamiokande-I Solar Neutrino Data. <i>Physical Review Letters</i> , 2004, 93, 021802.	7.8	59
69	Evidence for an Oscillatory Signature in Atmospheric Neutrino Oscillations. <i>Physical Review Letters</i> , 2004, 93, 101801.	7.8	538
70	NEUTRINO OSCILLATIONS AND THE SUNSHINE. , 2004, , .		1
71	SUPERNOVA RELIC NEUTRINOS AND NEUTRINO OSCILLATION. , 2004, , .		0
72	IMPACT AND IMPLICATION OF BI-LARGE NEUTRINO MIXINGS ON GLTS. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
73	SOLAR AND REACTOR NEUTRINO ANALYSIS: RESULTS AND DESIDERATA. , 2004, , .		0
74	CP VIOLATION IN $\hat{1}^2$ (PHASE-II). , 2004, , .		0
75	PARAMETER DEGENERACY AND REACTOR EXPERIMENTS. , 2004, , .		0
76	PROGRESS IN ANALYSIS OF HIGH ENERGY PRIMARY COSMIC-RAY SPECTRA MEASURED IN BESS-02. , 2004, , .		0
77	STUDY OF NEUTRINO-NUCLEUS INTERACTIONS FOR NEUTRINO OSCILLATION EXPERIMENTS. , 2004, , .		0
78	LEPTOGENESIS AND NEUTRINO MASSES. , 2004, , .		0
79	NEUTRINO PHYSICS AFTER KAMLAND. , 2004, , .		1
80	JHFNU (PHASE I) NEUTRINO OSCILLATION EXPERIMENT. , 2004, , .		2
81	USING REACTORS TO MEASURE $\hat{1}^2$. , 2004, , .		2
82	CUORICINO AND CUORE: RESULTS AND PROSPECTS. , 2004, , .		1
83	COSMOLOGICAL CONSTRAINTS ON NEUTRINO MASSES AND MIXINGS.. , 2004, , .		1
84	SUPERNOVA NEUTRINOS: FLAVOR-DEPENDENT FLUXES AND SPECTRA. , 2004, , .		4
85	$\hat{1}^2$ CONVERSION EXPERIMENTS: TESTING CHARGED LEPTON FLAVOR VIOLATION. , 2004, , .		0
86	CAMEO/GEM PROJECTS AND DISCOVERY POTENTIALITY OF THE FUTURE $2\hat{1}^2$ DECAY EXPERIMENTS. , 2004, , .		0
87	THE HLMA PROJECT IN THE LIGHT OF THE FIRST KAMLAND RESULTS MEASUREMENT OF $\sin^2(2\hat{1}^2)$ WITH A NEW SHORT BASELINE REACTOR NEUTRINO EXPERIMENT. , 2004, , .		0
88	THE MAJORANA EXPERIMENT: A STRAIGHTFORWARD NEUTRINO MASS EXPERIMENT USING THE DOUBLE-BETA DECAY OF ^{76}Ge . , 2004, , .		0
89	CAN FOUR NEUTRINOS EXPLAIN GLOBAL OSCILLATION DATA INCLUDING LSND & COSMOLOGY?. , 2004, , .		0
90	LEPTOGENESIS AND CP VIOLATION OF NEUTRINO OSCILLATION. , 2004, , .		0

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91	EXPERIMENTAL REVIEW OF PROTON DECAYS. , 2004, , .		0
92	BOONE AT SIX MONTHS. , 2004, , .		0
93	SUDBURY NEUTRINO OBSERVATORY: PHYSICS IMPLICATIONS OF UPCOMING DATA. , 2004, , .		0
94	RESULTS IN K2K AND FUTURE. , 2004, , .		0
95	KAMLAND RESULTS. , 2004, , .		0
96	SOLAR NEUTRINO PRECISION MEASUREMENTS USING ALL 1496 DAYS OF SUPER-KAMIOKANDE-I DATA. , 2004, , .		0
97	STATUS OF EVIDENCE FOR NEUTRINOLESS DOUBLE BETA DECAY, AND THE FUTURE: GENIUS AND GENIUS-TF. , 2004, , .		2
98	THE CALCULATION OF ATMOSPHERIC NEUTRINO FLUX.. , 2004, , .		0
99	XMASS EXPERIMENT. , 2004, , .		0
100	USING $\nu_e \rightarrow \nu_\mu$: GOLDEN AND SILVER CHANNELS AT THE NEUTRINO FACTORY. , 2004, , .		0
101	SUPERNOVA RELIC NEUTRINO SEARCH RESULTS FROM SUPER-KAMIOKANDE. , 2004, , .		0
102	NEUTRINO FLAVOR CONVERSION INSIDE AND OUTSIDE A SUPERNOVA. , 2004, , .		0
103	NEUTRINOLESS DOUBLE BETA DECAY CONSTRAINTS. , 2004, , .		0
104	FUTURE DETECTION OF SUPERNOVAS. , 2004, , .		0
105	BIRTH OF NEUTRINO ASTROPHYSICS. , 2004, , .		0
106	SOLAR NEUTRINO SPECTROSCOPY WITH BOREXINO AND FUTURE LOW ENERGY SOLAR NEUTRINO EXPERIMENTS. , 2004, , .		0
107	UNIVERSAL TEXTURE OF QUARK AND LEPTON MASS MATRICES. , 2004, , .		0
108	NEUTRINO MIXING AND $(\hat{1}^2\hat{1}^2)0\nu\hat{e}\hat{e}$ DECAF. , 2004, , .		0

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109	CANDLES FOR THE STUDY OF $\hat{\nu}\hat{\nu}^2$ DECAY OF ^{48}CA . , 2004, , .		0
110	ATMOSPHERIC NEUTRINOS. , 2004, , .		0
111	(S)FERMION MASSES AND LEPTON FLAVOR VIOLATION " A DEMOCRATIC APPROACH. , 2004, , .		0
112	LONG BASELINE NEUTRINO OSCILLATIONS: PARAMETER DEGENERACIES AND JHF/NUMI COMPLEMENTARITY. , 2004, , .		0
113	OFF-AXIS EXPERIMENT IN THE NUMI BEAM AT FERMILAB. , 2004, , .		0
114	A MEASUREMENT OF MU, P AND HE ENERGY SPECTRA AT THE SMALL ATMOSPHERIC DEPTH.. , 2004, , .		0
115	THE ICARUS PROJECT: AN UNDERGROUND OBSERVATORY FOR ASTRO-PARTICLE PHYSICS. , 2004, , .		0
116	INITIAL RUNS OF THE NEMO 3 EXPERIMENT. , 2004, , .		0
117	EXO: A NEXT GENERATION DOUBLE BETA DECAY EXPERIMENT. , 2004, , .		0
118	NEUTRINO MASSES AND BEYOND FROM SUPERSYMMETRY. , 2004, , .		1
119	IMPACT OF Ue3 ON NEUTRINO MODELS. , 2004, , .		0
120	PRECISE MEASUREMENT OF $\sin^2 2\hat{\nu}_{13}$ USING JAPANESE REACTORS. , 2004, , .		2
121	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
122	Indications of Neutrino Oscillation in a 250Åkm Long-Baseline Experiment. Physical Review Letters, 2003, 90, 041801.	7.8	763
123	Search for $\hat{\nu}_{1/2}\hat{\nu}^-$ from the Sun at Super-Kamiokande-I. Physical Review Letters, 2003, 90, 171302.	7.8	51
124	Search for periodic modulations of the solar neutrino flux in Super-Kamiokande-I. Physical Review D, 2003, 68, .	4.7	51
125	Search for Supernova Relic Neutrinos at Super-Kamiokande. Physical Review Letters, 2003, 90, 061101.	7.8	181
126	Search for Neutrinos from Gamma"Ray Bursts Using Super"Kamiokande. Astrophysical Journal, 2002, 578, 317-324.	4.5	37

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127	Determination of solar neutrino oscillation parameters using 1496 days of Super-Kamiokande-I data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 539, 179-187.	4.1	625
128	Neutrino and anti-neutrino cross sections and CP phase measurement. Nuclear Physics, Section B, Proceedings Supplements, 2002, 112, 18-23.	0.4	2
129	Solar and hep Neutrino Measurements from 1258 Days of Super-Kamiokande Data. Physical Review Letters, 2001, 86, 5651-5655.	7.8	894
130	Constraints on Neutrino Oscillations Using 1258 Days of Super-Kamiokande Solar Neutrino Data. Physical Review Letters, 2001, 86, 5656-5660.	7.8	579
131	New results from a search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_1 \hat{\nu}_2$, and $\hat{\nu}_2 e \hat{\nu}_1 \hat{\nu}_2$, oscillation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 497, 8-22.	4.1	56
132	Observation of weak neutral current neutrino production of J/ψ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 1-9.	4.1	11
133	Detection of accelerator-produced neutrinos at a distance of 250 km. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 511, 178-184.	4.1	176
134	^{16}N as a calibration source for Super-Kamiokande. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 458, 638-649.	1.6	33
135	Design, construction, and operation of SciFi tracking detector for K2K experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 453, 165-176.	1.6	44
136	Nuclear emulsions in a large, hybrid experiment (CHORUS) to search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_1 \hat{\nu}_2$, oscillations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 447, 361-376.	1.6	23
137	Atmospheric neutrino results from Super-Kamiokande experiment. AIP Conference Proceedings, 2000, , .	0.4	0
138	Tau Neutrinos Favored over Sterile Neutrinos in Atmospheric Muon Neutrino Oscillations. Physical Review Letters, 2000, 85, 3999-4003.	7.8	609
139	Observation of the East-West Anisotropy of the Atmospheric Neutrino Flux. Physical Review Letters, 1999, 82, 5194-5197.	7.8	79
140	Search for Proton Decay through $p \rightarrow \hat{\nu}_2 \hat{\nu}_4 K^+$ in a Large Water Cherenkov Detector. Physical Review Letters, 1999, 83, 1529-1533.	7.8	100
141	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
142	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
143	A search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_1 \hat{\nu}_2$, oscillation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 424, 202-212.	4.1	38
144	Search for $\hat{\nu}_2 \hat{\nu}_4 \hat{\nu}_1 \hat{\nu}_2$, oscillation using the $\hat{\nu}_2$, decay modes into a single charged particle. This paper is dedicated to the memory of Yasushi Ishii, a bright colleague and a good friend, whose loss has caused us great sorrow. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 205-213.	4.1	34

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145	Observation of neutrino induced diffractive production and subsequent decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 435, 458-464.	4.1	18
146	The CHORUS experiment to search for $\hat{1}/2\hat{1}/4 \hat{\alpha}^{\dagger} \hat{1}/2\hat{1}$, oscillation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 401, 7-44.	1.6	209