

# Haruki Nishino

## List of Publications by Year in descending order

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77

papers

5,753

citations

126907

33

h-index

91884

69

g-index

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all docs

77

docs citations

77

times ranked

4370

citing authors

#	ARTICLE	IF	CITATIONS
1	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	5.4	741
2	Measurement of neutrino oscillation by the K2K experiment. <i>Physical Review D</i> , 2006, 74, .	4.7	498
3	Solar neutrino measurements in Super-Kamiokande-I. <i>Physical Review D</i> , 2006, 73, .	4.7	390
4	Mission Design of LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2014, 176, 733-740.	1.4	300
5	Solar neutrino results in Super-Kamiokande-III. <i>Physical Review D</i> , 2011, 83, .	4.7	285
6	Solar neutrino measurements in Super-Kamiokande-II. <i>Physical Review D</i> , 2008, 78, .	4.7	258
7	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND $B$ -MODE POLARIZATION POWER SPECTRUM AT SUB-DEGREE SCALES WITH POLARBEAR. <i>Astrophysical Journal</i> , 2014, 794, 171.	4.5	233
8	Atmospheric neutrino oscillation analysis with subleading effects in Super-Kamiokande I, II, and III. <i>Physical Review D</i> , 2010, 81, .	4.7	210
9	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
10	Three flavor neutrino oscillation analysis of atmospheric neutrinos in Super-Kamiokande. <i>Physical Review D</i> , 2006, 74, .	4.7	146
11	The Polarbear-2 and the Simons Array Experiments. <i>Journal of Low Temperature Physics</i> , 2016, 184, 805-810.	1.4	139
12	Search for Supernova Neutrino Bursts at Super-Kamiokande. <i>Astrophysical Journal</i> , 2007, 669, 519-524.	4.5	138
13	Measurement of the Cosmic Microwave Background Polarization Power Spectrum with the POLARBEAR Experiment. <i>Physical Review Letters</i> , 2014, 113, 021301.	7.8	138
14	Observation of the anisotropy of 10 TeV primary cosmic ray nuclei flux with the Super-Kamiokande-I detector. <i>Physical Review D</i> , 2007, 75, .	4.7	134
15	Search for Proton Decay via $\text{p} \rightarrow \text{e}^+ \text{e}^-$ . <i>Physical Review Letters</i> , 2009, 102, 141301.	7.8	109
16	Measurement of Atmospheric Neutrino Flux Consistent with Tau Neutrino Appearance. <i>Physical Review Letters</i> , 2006, 97, 171801.	7.8	96
17	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1048-1056.	1.4	96
18	A Measurement of the Cosmic Microwave Background B-mode Polarization Power Spectrum at Subdegree Scales from Two Years of polarbear Data. <i>Astrophysical Journal</i> , 2017, 848, 121.	4.5	83

#	ARTICLE	IF	CITATIONS
19	Evidence for Gravitational Lensing of the Cosmic Microwave Background Polarization from Cross-Correlation with the Cosmic Infrared Background. <i>Physical Review Letters</i> , 2014, 112, 131302.	7.8	81
20	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. <i>Astrophysical Journal</i> , 2022, 926, 54.	4.5	79
21	POLARBEAR constraints on cosmic birefringence and primordial magnetic fields. <i>Physical Review D</i> , 2015, 92, .	4.7	78
22	Search for $\text{mml:math}$ $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\text{display}=\text{"inline"}$ $\text{<mml:mi>n</mml:mi> <mml:mo>\wedge</mml:mo> <mml:mover accent="true"><mml:mi>n</mml:mi> <mml:mo accent="true" stretchy="false">\wedge</mml:mo> </mml:mover> </mml:math>$ oscillation in Super-Kamiokande. <i>Physical Review D</i> , 2015, 91, .	4.7	78
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	LiteBIRD: Mission Overview and Focal Plane Layout. <i>Journal of Low Temperature Physics</i> , 2016, 184, 824-831.	1.4	70
25	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
26	The POLARBEAR experiment. <i>Proceedings of SPIE</i> , 2012, , .	0.8	65
27	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1107-1117.	1.4	64
28	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
29	High-speed charge-to-time converter ASIC for the Super-Kamiokande detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 610, 710-717.	1.6	54
30	LiteBIRD: a small satellite for the study of B-mode polarization and inflation from cosmic background radiation detection. <i>Proceedings of SPIE</i> , 2012, , .	0.8	54
31	Study of TeV neutrinos with upward showering muons in Super-Kamiokande. <i>Astroparticle Physics</i> , 2008, 29, 42-54.	4.3	50
32	Performance of a continuously rotating half-wave plate on the POLARBEAR telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 008-008.	5.4	41
33	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. <i>Astrophysical Journal</i> , 2020, 897, 55.	4.5	41
34	Search for neutral Q-balls in Super-Kamiokande II. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 647, 18-22.	4.1	34
35	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
36	The bolometric focal plane array of the POLARBEAR CMB experiment. <i>Proceedings of SPIE</i> , 2012, , .	0.8	31

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37	POLARBEAR-2: an instrument for CMB polarization measurements. <i>Proceedings of SPIE</i> , 2016, , .	0.8	31	
38	SEARCH FOR ASTROPHYSICAL NEUTRINO POINT SOURCES AT SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2009, 704, 503-512.	4.5	29	
39	The POLARBEAR CMB polarization experiment. <i>Proceedings of SPIE</i> , 2010, , .	0.8	29	
40	MODELING ATMOSPHERIC EMISSION FOR CMB GROUND-BASED OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 809, 63.	4.5	27	
41	A Measurement of the CMB E-mode Angular Power Spectrum at Subdegree Scales from 670 Square Degrees of POLARBEAR Data. <i>Astrophysical Journal</i> , 2020, 904, 65.	4.5	27	
42	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	
43	The Simons Array: expanding POLARBEAR to three multi-chroic telescopes. <i>Proceedings of SPIE</i> , 2014, , .	0.8	25	
44	Internal Delensing of Cosmic Microwave Background Polarization $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mi>B\langle/mml:mi\rangle\langle/mml:math>$ -Modes with the POLARBEAR Experiment. <i>Physical Review Letters</i> , 2020, 124, 131301.	7.8	25	
45	Search for Dinucleon Decay into Kaons in Super-Kamiokande. <i>Physical Review Letters</i> , 2014, 112, 131803.	7.8	24	
46	High-energy Neutrino Astronomy Using Upward-going Muons in Super-Kamiokande I. <i>Astrophysical Journal</i> , 2006, 652, 198-205.	4.5	22	
47	Small Aperture Telescopes for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020, 200, 461-471.	1.4	21	
48	LiteBIRD: lite satellite for the study of B-mode polarization and inflation from cosmic microwave background radiation detection. <i>Proceedings of SPIE</i> , 2016, , .	0.8	20	
49	Evidence for the Cross-correlation between Cosmic Microwave Background Polarization Lensing from Polarbear and Cosmic Shear from Subaru Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2019, 882, 62.	4.5	20	
50	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19	
51	Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum from Two Years of POLARBEAR Data. <i>Astrophysical Journal</i> , 2020, 893, 85.	4.5	18	
52	The Simons Array CMB polarization experiment. <i>Proceedings of SPIE</i> , 2016, , .	0.8	18	
53	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	
54	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. <i>Journal of Low Temperature Physics</i> , 2018, 193, 758-770.	1.4	16	

#	ARTICLE		IF	CITATIONS
55	Search for matter-dependent atmospheric neutrino oscillations in Super-Kamiokande. <i>Physical Review D</i> , 2008, 77, .		4.7	15
56	The POLARBEAR-2 experiment. <i>Proceedings of SPIE</i> , 2012, , .		0.8	15
57	The Simons Observatory: gain, bandpass and polarization-angle calibration requirements for B-mode searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 032.		5.4	14
58	Measurements of Tropospheric Ice Clouds with a Ground-based CMB Polarization Experiment, POLARBEAR. <i>Astrophysical Journal</i> , 2019, 870, 102.		4.5	11
59	SEARCH FOR NEUTRINOS FROM GRB 080319B AT SUPER-KAMIOKANDE. <i>Astrophysical Journal</i> , 2009, 697, 730-734.		4.5	8
60	POLARBEAR-2 optical and polarimeter designs. <i>Proceedings of SPIE</i> , 2012, , .		0.8	8
61	The POLARBEAR-2 Experiment. <i>Journal of Low Temperature Physics</i> , 2014, 176, 719-725.		1.4	8
62	Deployment of Polarbear-2A. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1137-1147.		1.4	8
63	Development of New Front-End Electronics for Super-Kamiokande. , 2007, , .			7
64	LiteBIRD: mission overview and design tradeoffs. <i>Proceedings of SPIE</i> , 2014, , .		0.8	7
65	The POLARBEAR Fourier transform spectrometer calibrator and spectroscopic characterization of the POLARBEAR instrument. <i>Review of Scientific Instruments</i> , 2019, 90, 115115.		1.3	7
66	Improved Upper Limit on Degree-scale CMB B-mode Polarization Power from the 670 Square-degree POLARBEAR Survey. <i>Astrophysical Journal</i> , 2022, 931, 101.		4.5	7
67	The new front-end electronics for the Super-Kamiokande experiment. , 2007, , .			6
68	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2018, 193, 841-850.		1.4	6
69	Cross-correlation of CMB Polarization Lensing with High-z Submillimeter Herschel-ATLAS Galaxies. <i>Astrophysical Journal</i> , 2019, 886, 38.		4.5	6
70	POLARBEAR-2: a new CMB polarization receiver system for the Simons array (Conference Presentation). , 2018, , .			4
71	Development of New Data Acquisition Electronics for the Large Water Cherenkov Detector. , 2006, , .			3
72	The POLARBEAR Cosmic Microwave Background Polarization Experiment. <i>Journal of Low Temperature Physics</i> , 2014, 176, 726-732.		1.4	3

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73	Search for proton decays via $e^+ e^- \rightarrow \pi^0 \pi^0$ and $e^+ e^- \rightarrow \pi^0 \eta'$ in Super-Kamiokande. Journal of Physics: Conference Series, 2008, 136, 042018.	0.4	1
74	Commissioning of the new electronics and online system for the Super-Kamiokande experiment. , 2009, , .		1
75	Integrated Electrical Properties of the Frequency Multiplexed Cryogenic Readout System for Polarbear/Simons Array. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	1
76	Current design of the electrical architecture for the payload module of LiteBIRD. , 2018, , .		1
77	Results of gravitational lensing and primordial gravitational waves from the POLARBEAR experiment. Journal of Physics: Conference Series, 2020, 1468, 012007.	0.4	0