

Haruki Nishino

List of Publications by Year in descending order

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4370
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#	ARTICLE	IF	CITATIONS
1	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. <i>Astrophysical Journal</i> , 2022, 926, 54.	4.5	79
2	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
3	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
4	Integrated Electrical Properties of the Frequency Multiplexed Cryogenic Readout System for Polarbear/Simons Array. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.7	1
5	Small Aperture Telescopes for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020, 200, 461-471.	1.4	21
6	Deployment of Polarbear-2A. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1137-1147.	1.4	8
7	Updated Design of the CMB Polarization Experiment Satellite LiteBIRD. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1107-1117.	1.4	64
8	Results of gravitational lensing and primordial gravitational waves from the POLARBEAR experiment. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012007.	0.4	0
9	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
10	Internal Delensing of Cosmic Microwave Background Polarization $\langle B \rangle$ -Modes with the POLARBEAR Experiment. <i>Physical Review Letters</i> , 2020, 124, 131301.	7.8	25
11	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. <i>Astrophysical Journal</i> , 2020, 897, 55.	4.5	41
12	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
13	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
14	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	5.4	741
15	Cross-correlation of CMB Polarization Lensing with High-z Submillimeter Herschel-ATLAS Galaxies. <i>Astrophysical Journal</i> , 2019, 886, 38.	4.5	6
16	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
17	Measurements of Tropospheric Ice Clouds with a Ground-based CMB Polarization Experiment, POLARBEAR. <i>Astrophysical Journal</i> , 2019, 870, 102.	4.5	11
18	The POLARBEAR-2 and Simons Array Focal Plane Fabrication Status. <i>Journal of Low Temperature Physics</i> , 2018, 193, 758-770.	1.4	16

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19	The LiteBIRD Satellite Mission: Sub-Kelvin Instrument. Journal of Low Temperature Physics, 2018, 193, 1048-1056.	1.4	96
20	Concept Study of Optical Configurations for High-Frequency Telescope for LiteBIRD. Journal of Low Temperature Physics, 2018, 193, 841-850.	1.4	6
21	Current design of the electrical architecture for the payload module of LiteBIRD. , 2018, , .		1
22	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19
23	POLARBEAR-2: a new CMB polarization receiver system for the Simons array (Conference Presentation). , 2018, , .		4
24	Performance of a continuously rotating half-wave plate on the POLARBEAR telescope. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 008-008.	5.4	41
25	A Measurement of the Cosmic Microwave Background B-mode Polarization Power Spectrum at Subdegree Scales from Two Years of polarbear Data. Astrophysical Journal, 2017, 848, 121.	4.5	83
26	LiteBIRD: lite satellite for the study of B-mode polarization and inflation from cosmic microwave background radiation detection. Proceedings of SPIE, 2016, , .	0.8	20
27	The Polarbear-2 and the Simons Array Experiments. Journal of Low Temperature Physics, 2016, 184, 805-810.	1.4	139
28	LiteBIRD: Mission Overview and Focal Plane Layout. Journal of Low Temperature Physics, 2016, 184, 824-831.	1.4	70
29	POLARBEAR-2: an instrument for CMB polarization measurements. Proceedings of SPIE, 2016, , .	0.8	31
30	The Simons Array CMB polarization experiment. Proceedings of SPIE, 2016, , .	0.8	18
31	POLARBEAR constraints on cosmic birefringence and primordial magnetic fields. Physical Review D, 2015, 92, .	4.7	78
32	Search for n \hat{A} oscillation in Super-Kamiokande. Physical Review D, 2015, 91, .	4.7	78
33	MODELING ATMOSPHERIC EMISSION FOR CMB GROUND-BASED OBSERVATIONS. Astrophysical Journal, 2015, 809, 63.	4.5	27
34	The Simons Array: expanding POLARBEAR to three multi-chroic telescopes. Proceedings of SPIE, 2014, , .	0.8	25
35	LiteBIRD: mission overview and design tradeoffs. Proceedings of SPIE, 2014, , .	0.8	7
36	Search for Dinucleon Decay into Kaons in Super-Kamiokande. Physical Review Letters, 2014, 112, 131803.	7.8	24

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37	The POLARBEAR-2 Experiment. Journal of Low Temperature Physics, 2014, 176, 719-725.	1.4	8
38	The POLARBEAR Cosmic Microwave Background Polarization Experiment. Journal of Low Temperature Physics, 2014, 176, 726-732.	1.4	3
39	Evidence for Gravitational Lensing of the Cosmic Microwave Background Polarization from Cross-Correlation with the Cosmic Infrared Background. Physical Review Letters, 2014, 112, 131302.	7.8	81
40	A MEASUREMENT OF THE COSMIC MICROWAVE BACKGROUND <i>B</i> -MODE POLARIZATION POWER SPECTRUM AT SUB-DEGREE SCALES WITH POLARBEAR. Astrophysical Journal, 2014, 794, 171.	4.5	233
41	Mission Design of LiteBIRD. Journal of Low Temperature Physics, 2014, 176, 733-740.	1.4	300
42	Measurement of the Cosmic Microwave Background Polarization Lensing Power Spectrum with the POLARBEAR Experiment. Physical Review Letters, 2014, 113, 021301.	7.8	138
43	The POLARBEAR-2 experiment. Proceedings of SPIE, 2012, , .	0.8	15
44	POLARBEAR-2 optical and polarimeter designs. Proceedings of SPIE, 2012, , .	0.8	8
45	The POLARBEAR experiment. Proceedings of SPIE, 2012, , .	0.8	65
46	The bolometric focal plane array of the POLARBEAR CMB experiment. Proceedings of SPIE, 2012, , .	0.8	31
47	LiteBIRD: a small satellite for the study of B-mode polarization and inflation from cosmic background radiation detection. Proceedings of SPIE, 2012, , .	0.8	54
48	Search for nucleon decay into charged antilepton plus meson in Super-Kamiokande I and II. Physical Review D, 2012, 85, .	4.7	60
49	Study of nonstandard neutrino interactions with atmospheric neutrino data in Super-Kamiokande I and II. Physical Review D, 2011, 84, .	4.7	72
50	Solar neutrino results in Super-Kamiokande-III. Physical Review D, 2011, 83, .	4.7	285
51	Search for Differences in Oscillation Parameters for Atmospheric Neutrinos and Antineutrinos at Super-Kamiokande. Physical Review Letters, 2011, 107, 241801.	7.8	66
52	AN INDIRECT SEARCH FOR WEAKLY INTERACTING MASSIVE PARTICLES IN THE SUN USING 3109.6 DAYS OF UPWARD-GOING MUONS IN SUPER-KAMIOKANDE. Astrophysical Journal, 2011, 742, 78.	4.5	150
53	The POLARBEAR CMB polarization experiment. Proceedings of SPIE, 2010, , .	0.8	29
54	Atmospheric neutrino oscillation analysis with subleading effects in Super-Kamiokande I, II, and III. Physical Review D, 2010, 81, .	4.7	210

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55	Commissioning of the New Electronics and Online System for the Super-Kamiokande Experiment. IEEE Transactions on Nuclear Science, 2010, 57, 428-432.	2.0	32
56	SEARCH FOR NEUTRINOS FROM GRB 080319B AT SUPER-KAMIOKANDE. Astrophysical Journal, 2009, 697, 730-734.	4.5	8
57	SEARCH FOR ASTROPHYSICAL NEUTRINO POINT SOURCES AT SUPER-KAMIOKANDE. Astrophysical Journal, 2009, 704, 503-512.	4.5	29
58	Kinematic reconstruction of atmospheric neutrino events in a large water Cherenkov detector with proton identification. Physical Review D, 2009, 79, .	4.7	25
59	Search for Proton Decay via $p \rightarrow e \pi^+$. Physical Review Letters, 2009, 102, 141801.	7.8	109
60	High-speed charge-to-time converter ASIC for the Super-Kamiokande detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 710-717.	1.6	54
61	Commissioning of the new electronics and online system for the Super-Kamiokande experiment. , 2009, .		1
62	Study of TeV neutrinos with upward showering muons in Super-Kamiokande. Astroparticle Physics, 2008, 29, 42-54.	4.3	50
63	Solar neutrino measurements in Super-Kamiokande-II. Physical Review D, 2008, 78, .	4.7	258
64	Search for matter-dependent atmospheric neutrino oscillations in Super-Kamiokande. Physical Review D, 2008, 77, .	4.7	15
65	Search for proton decays via $p \rightarrow e \pi^+ \bar{\nu}_e$ and $p \rightarrow e \pi^+ \bar{\nu}_\mu$ in Super-Kamiokande. Journal of Physics: Conference Series, 2008, 136, 042018.	0.4	1
66	Development of New Front-End Electronics for Super-Kamiokande. , 2007, .		7
67	Observation of the anisotropy of 10 TeV primary cosmic ray nuclei flux with the Super-Kamiokande-I detector. Physical Review D, 2007, 75, .	4.7	134
68	Search for Supernova Neutrino Bursts at Super-Kamiokande. Astrophysical Journal, 2007, 669, 519-524.	4.5	138
69	The new front-end electronics for the Super-Kamiokande experiment. , 2007, .		6
70	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
71	Measurement of neutrino oscillation by the K2K experiment. Physical Review D, 2006, 74, .	4.7	498
72	Three flavor neutrino oscillation analysis of atmospheric neutrinos in Super-Kamiokande. Physical Review D, 2006, 74, .	4.7	146

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73	Solar neutrino measurements in Super-Kamiokande-I. Physical Review D, 2006, 73, .	4.7	390
74	High-Energy Neutrino Astronomy Using Upward-Going Muons in Super-Kamiokande I. Astrophysical Journal, 2006, 652, 198-205.	4.5	22
75	Development of New Data Acquisition Electronics for the Large Water Cherenkov Detector. , 2006, , .		3
76	Search for Diffuse Astrophysical Neutrino Flux Using Ultra-High Energy Upward-Going Muons in Super-Kamiokande I. Astrophysical Journal, 2006, 652, 206-215.	4.5	16
77	Measurement of Atmospheric Neutrino Flux Consistent with Tau Neutrino Appearance. Physical Review Letters, 2006, 97, 171801.	7.8	96