

# Toshiya Namikawa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8651063/publications.pdf>

Version: 2024-02-01

52  
papers

1,237  
citations

361413

20  
h-index

414414

32  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-sky Gravitational Lensing Simulation for Large-area Galaxy Surveys and Cosmic Microwave Background Experiments. <i>Astrophysical Journal</i> , 2017, 850, 24.	4.5	114
2	Bias-hardened CMB lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 609-620.	4.4	97
3	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. <i>Astrophysical Journal</i> , 2022, 926, 54.	4.5	79
4	The Atacama Cosmology Telescope: a CMB lensing mass map over 2100 square degrees of sky and its cross-correlation with BOSS-CMASS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2250-2263.	4.4	68
5	Atacama Cosmology Telescope: Constraints on cosmic birefringence. <i>Physical Review D</i> , 2020, 101, .	4.7	50
6	BICEP Array: a multi-frequency degree-scale CMB polarimeter. , 2018, , .		46
7	Full-sky lensing reconstruction of gradient and curl modes from CMB maps. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 007-007.	5.4	45
8	Anisotropies of Gravitational-Wave Standard Sirens as a New Cosmological Probe without Redshift Information. <i>Physical Review Letters</i> , 2016, 116, 121302.	7.8	42
9	Probing dark energy and neutrino mass from upcoming lensing experiments of CMB and galaxies. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 027-027.	5.4	34
10	Fitting the Nonlinear Matter Bispectrum by the Halofit Approach. <i>Astrophysical Journal</i> , 2020, 895, 113.	4.5	33
11	Testing statistics of the CMB $B$ -mode polarization toward unambiguously establishing quantum fluctuation of the vacuum. <i>Physical Review D</i> , 2016, 94, .	4.7	32
12	Magnification effect on the detection of primordial non-Gaussianity from photometric surveys. <i>Physical Review D</i> , 2011, 83, .	4.7	29
13	CMB lensing bispectrum from nonlinear growth of the large scale structure. <i>Physical Review D</i> , 2016, 93, .	4.7	28
14	Effect of non-Gaussian lensing deflections on CMB lensing measurements. <i>Physical Review D</i> , 2018, 98, .	4.7	28
15	Full-sky formulae for weak lensing power spectra from total angular momentum method. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 051-051.	5.4	26
16	Strong detection of the CMB lensing and galaxy weak lensing cross-correlation from ACT-DR4, Planck Legacy, and KiDS-1000. <i>Astronomy and Astrophysics</i> , 2021, 649, A146.	5.1	26
17	Delensing cosmic microwave background B modes with the Square Kilometre Array Radio Continuum Survey. <i>Physical Review D</i> , 2016, 93, .	4.7	24
18	The Atacama Cosmology Telescope: delensed power spectra and parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 031-031.	5.4	23

#	ARTICLE	IF	CITATIONS
19	Weak lensing generated by vector perturbations and detectability of cosmic strings. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 030-030.	5.4	22
20	CMB internal delensing with general optimal estimator for higher-order correlations. Physical Review D, 2017, 95, .	4.7	22
21	Detecting black-hole binary clustering via the second-generation gravitational-wave detectors. Physical Review D, 2016, 94, .	4.7	21
22	Lensing reconstruction from a patchwork of polarization maps. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 009-009.	5.4	20
23	Evidence for the Cross-correlation between Cosmic Microwave Background Polarization Lensing from Polarbear and Cosmic Shear from Subaru Hyper Suprime-Cam. Astrophysical Journal, 2019, 882, 62.	4.5	20
24	Is cosmic birefringence due to dark energy or dark matter? A tomographic approach. Physical Review D, 2022, 105, .	4.7	20
25	Constraints on patchy reionization from Planck CMB temperature trispectrum. Physical Review D, 2018, 97, .	4.7	19
26	The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access. Astrophysical Journal, Supplement Series, 2021, 255, 11.	7.7	19
27	Concept design of the LiteBIRD satellite for CMB B-mode polarization. , 2018, , .		19
28	Non-Gaussian structure of B-mode polarization after delensing. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 004-004.	5.4	17
29	CMB lensing bispectrum as a probe of modified gravity theories. Physical Review D, 2018, 98, .	4.7	16
30	The Atacama Cosmology Telescope: Weighing Distant Clusters with the Most Ancient Light. Astrophysical Journal Letters, 2020, 903, L13.	8.3	15
31	CMB constraints on the stochastic gravitational-wave background at Mpc scales. Physical Review D, 2019, 100, .	4.7	14
32	2017 upgrade and performance of BICEP3: a 95GHz refracting telescope for degree-scale CMB polarization. , 2018, , .		13
33	Simons Observatory: Constraining inflationary gravitational waves with multitracer $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">B \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -mode delensing. Physical Review D, 2022, 105, .	4.7	13
34	Testing parity-violating physics from cosmic rotation power reconstruction. Physical Review D, 2017, 95, .	4.7	12
35	Geometry and growth contributions to cosmic shear observables. Physical Review D, 2017, 96, .	4.7	11
36	CMB lensing bispectrum: Assessing analytical predictions against full-sky lensing simulations. Physical Review D, 2019, 99, .	4.7	11

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37	Constraining cosmic string parameters with curl mode of CMB lensing. <i>Physical Review D</i> , 2013, 88, .	4.7	10
38	Analyzing clustering of astrophysical gravitational-wave sources: luminosity-distance space distortions. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 036-036.	5.4	10
39	The integrated angular bispectrum of weak lensing. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 055.	5.4	10
40	Future detectability of gravitational-wave induced lensing from high-sensitivity CMB experiments. <i>Physical Review D</i> , 2015, 91, .	4.7	9
41	Constraining higher-order parameters for primordial non-Gaussianities from power spectra and bispectra of imaging surveys. <i>Physical Review D</i> , 2016, 93, .	4.7	9
42	Cosmology with the Square Kilometre Array by SKA-Japan. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, R2.	2.5	8
43	BICEP array cryostat and mount design. , 2018, , .		8
44	CMB mode coupling with isotropic polarization rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1250-1257.	4.4	7
45	Impact of nonlinear growth of the large-scale structure on CMB B -mode delensing. <i>Physical Review D</i> , 2019, 99, .	4.7	6
46	A numerical study of observational systematic errors in lensing analysis of CMB polarization. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	6.6	6
47	Constraining reionization with the first measurement of the cross-correlation between the CMB optical-depth fluctuations and the Compton $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi} \rangle y \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -map. <i>Physical Review D</i> , 2021, 104, .	4.7	6
48	Design and performance of wide-band corrugated walls for the BICEP Array detector modules at 30/40 GHz. , 2018, , .		6
49	Finding evidence for inflation and the origin of galactic magnetic fields with CMB surveys. <i>Physical Review D</i> , 2022, 105, .	4.7	6
50	Polarization calibration of the BICEP3 CMB polarimeter at the South Pole. , 2020, , .		4
51	Ultra-thin large-aperture vacuum windows for millimeter wavelengths receivers. , 2018, , .		3
52	Unified approach to secondary effects on the CMB B-mode polarization. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 029.	5.4	1