

Jaiyul Yoo

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,497
citations

279798

23
h-index

182427

51
g-index

57
all docs

57
docs citations

57
times ranked

2718
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmological constraints from the SDSS luminous red galaxies. <i>Physical Review D</i> , 2006, 74, .	4.7	1,132
2	OGLE-2003-BLG-262: Finite-Source Effects from a Point-Mass Lens. <i>Astrophysical Journal</i> , 2004, 603, 139-151.	4.5	313
3	New perspective on galaxy clustering as a cosmological probe: General relativistic effects. <i>Physical Review D</i> , 2009, 80, .	4.7	255
4	General relativistic description of the observed galaxy power spectrum: Do we understand what we measure?. <i>Physical Review D</i> , 2010, 82, .	4.7	203
5	A QUANTITATIVE EXPLANATION OF THE OBSERVED POPULATION OF MILKY WAY SATELLITE GALAXIES. <i>Astrophysical Journal</i> , 2009, 696, 2179-2194.	4.5	193
6	The End of the MACHO Era: Limits on Halo Dark Matter from Stellar Halo Wide Binaries. <i>Astrophysical Journal</i> , 2004, 601, 311-318.	4.5	129
7	Going beyond the Kaiser redshift-space distortion formula: A full general relativistic account of the effects and their detectability in galaxy clustering. <i>Physical Review D</i> , 2012, 86, .	4.7	111
8	Beyond the linear-order relativistic effect in galaxy clustering: Second-order gauge-invariant formalism. <i>Physical Review D</i> , 2014, 90, .	4.7	87
9	Formation of the Black Holes in the Highest Redshift Quasars. <i>Astrophysical Journal</i> , 2004, 614, L25-L28.	4.5	86
10	From Galaxy-Galaxy Lensing to Cosmological Parameters. <i>Astrophysical Journal</i> , 2006, 652, 26-42.	4.5	64
11	Wide-angle effects in future galaxy surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 1789-1805.	4.4	64
12	Constraints on Planetary Companions in the Magnification- $\mu=256$ Microlensing Event OGLE-2003-BLG-423. <i>Astrophysical Journal</i> , 2004, 616, 1204-1214.	4.5	57
13	Supersonic relative velocity effect on the baryonic acoustic oscillation measurements. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 018-018.	5.4	53
14	Relativistic effect in galaxy clustering. <i>Classical and Quantum Gravity</i> , 2014, 31, 234001.	4.0	52
15	All-sky analysis of the general relativistic galaxy power spectrum. <i>Physical Review D</i> , 2013, 88, .	4.7	49
16	Relativistic effects in galaxy clustering in a parametrized post-Friedmann universe. <i>Physical Review D</i> , 2013, 87, .	4.7	49
17	Halo Structures of Gravitational Lens Galaxies. <i>Astrophysical Journal</i> , 2006, 642, 22-29.	4.5	41
18	Complete treatment of galaxy two-point statistics: Gravitational lensing effects and redshift-space distortions. <i>Physical Review D</i> , 2009, 79, .	4.7	40

#	ARTICLE	IF	CITATIONS
19	Joint analysis of gravitational lensing, clustering, and abundance: Toward the unification of large-scale structure analysis. <i>Physical Review D</i> , 2012, 86, .	4.7	32
20	The Lens Galaxy in PG 1115+080 is an Ellipse. <i>Astrophysical Journal</i> , 2005, 626, 51-57.	4.5	31
21	Gauge-invariance and infrared divergences in the luminosity distance. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 045-045.	5.4	29
22	The Most Massive Black Holes in the Universe: Effects of Mergers in Massive Galaxy Clusters. <i>Astrophysical Journal</i> , 2007, 667, 813-825.	4.5	28
23	Gauge-transformation properties of cosmological observables and its application to the light-cone average. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 016-016.	5.4	24
24	Unified treatment of the luminosity distance in cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 046-046.	5.4	23
25	Improved estimation of cluster mass profiles from the cosmic microwave background. <i>Physical Review D</i> , 2008, 78, .	4.7	22
26	Signatures of first stars in galaxy surveys: Multitracer analysis of the supersonic relative velocity effect and the constraints from the BOSS power spectrum measurements. <i>Physical Review D</i> , 2013, 88, .	4.7	22
27	Galaxy two-point correlation function in general relativity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 024-024.	5.4	22
28	Proper-time hypersurface of nonrelativistic matter flows: Galaxy bias in general relativity. <i>Physical Review D</i> , 2014, 90, .	4.7	20
29	Non-linear general relativistic effects in the observed redshift. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 037-037.	5.4	19
30	Gauge-invariant formalism of cosmological weak lensing. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 029-029.	5.4	19
31	Galaxy power spectrum in general relativity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 064-064.	5.4	18
32	EXTENDING RECOVERY OF THE PRIMORDIAL MATTER POWER SPECTRUM. <i>Astrophysical Journal</i> , 2009, 698, 967-985.	4.5	17
33	General and consistent statistics for cosmological observations. <i>Physical Review Research</i> , 2020, 2, .	3.6	17
34	Lensing reconstruction of cluster-mass cross correlation with cosmic microwave background polarization. <i>Physical Review D</i> , 2010, 81, .	4.7	16
35	Background photon temperature T : A new cosmological Parameter?. <i>Physical Review D</i> , 2019, 100, .	4.7	16
36	Correlation function of the luminosity distances. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 026-026.	5.4	15

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37	Light-cone observables and gauge-invariance in the geodesic light-cone formalism. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 007-007.	5.4	15
38	Jacobi mapping approach for a precise cosmological weak lensing formalism. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 067-067.	5.4	14
39	Exact non-linear equations for cosmological perturbations. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 027-027.	5.4	13
40	Cosmological information contents on the light-cone. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 015-015.	5.4	13
41	Cutting out the cosmological middle man: general relativity in the light-cone coordinates. Classical and Quantum Gravity, 2021, 38, 055011.	4.0	13
42	Polarization of the broad H β wing in symbiotic stars. Monthly Notices of the Royal Astronomical Society, 2002, 336, 467-476.	4.4	11
43	Exact analytic solution for non-linear density fluctuation in a Λ CDM universe. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 017-017.	5.4	10
44	Monopole fluctuation of the CMB and its gauge invariance. Physical Review D, 2021, 103, .	4.7	8
45	Relativistic effects and primordial non-Gaussianity in the matter density fluctuation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 94-98.	4.1	7
46	Tetrad Formalism for Exact Cosmological Observables. SpringerBriefs in Physics, 2020, , .	0.7	6
47	Profiles of the resonance doublets formed in bipolar winds in symbiotic stars. Monthly Notices of the Royal Astronomical Society, 2002, 334, 974-982.	4.4	5
48	Gravitational lensing effects on the baryonic acoustic oscillation signature in the redshift-space correlation function. Physical Review D, 2010, 82, .	4.7	5
49	The spatial gauge-dependence of single-field inflationary bispectra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 828, 137018.	4.1	4
50	General relativistic effects in weak lensing angular power spectra. Physical Review D, 2021, 104, .	4.7	3
51	Maximum cosmological information from type Ia supernova observations. Physical Review D, 2020, 101, .	4.7	2
52	General-Relativistic Matrix Kinetic Theory. SpringerBriefs in Physics, 2020, , 83-131.	0.7	0
53	Observer Space-Time Formalism. SpringerBriefs in Physics, 2020, , 51-81.	0.7	0
54	Mathematical Framework. SpringerBriefs in Physics, 2020, , 21-50.	0.7	0