Jochen Weller

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6358824/publications.pdf

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64	4,755	126708	128067
papers	citations	33 h-index	60 g-index

65	65	65	4992
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Updated bounds on axion-like particles from X-ray observations. Monthly Notices of the Royal Astronomical Society, 2022, 514, 329-341.	1.6	7
2	Lattice simulations of Abelian gauge fields coupled to axions during inflation. Physical Review D, 2022, 105, .	1.6	5
3	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6010-6031.	1.6	27
4	Modified Gravity and the Flux-weighted Gravityâ€“Luminosity Relationship of Blue Supergiant Stars. Astrophysical Journal, 2021, 914, 94.	1.6	5
5	The Dark Energy Survey Data Release 2. Astrophysical Journal, Supplement Series, 2021, 255, 20.	3.0	120
6	Reducing Ground-based Astrometric Errors with Gaia and Gaussian Processes. Astronomical Journal, 2021, 162, 106.	1.9	8
7	Combining cosmological and local bounds on bimetric theory. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 035.	1.9	7
8	DES Y1 results: Splitting growth and geometry to test <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î›</mml:mi><mml:mi>CDM</mml:mi></mml:math>. Physical Review D, 2021, 103, .	1.6	16
9	Physical parameter space of bimetric theory and SN1a constraints. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 024-024.	1.9	12
10	Precision cosmology with voids in the final BOSS data. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 023-023.	1.9	48
11	Overview of the medium and high frequency telescopes of the LiteBIRD space mission. , 2020, , .		3
12	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
13	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. Astrophysical Journal, 2020, 903, 75.	1.6	8
14	The SPTpol Extended Cluster Survey. Astrophysical Journal, Supplement Series, 2020, 247, 25.	3.0	101
15	Evaluation of proton and photon dose distributions recalculated on 2D and 3D Unet-generated pseudoCTs from T1-weighted MR head scans. Acta OncolÃ³gica, 2019, 58, 1429-1434.	0.8	33
16	Joint halo-mass function for modified gravity and massive neutrinos â€“ I. Simulations and cosmological forecasts. Monthly Notices of the Royal Astronomical Society, 2019, 486, 3927-3941.	1.6	24
17	The bias of cosmic voids in the presence of massive neutrinos. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 055-055.	1.9	40
18	Comparing Unet training with three different datasets to correct CBCT images for prostate radiotherapy dose calculations. Physics in Medicine and Biology, 2019, 64, 035011.	1.6	56

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19	A DECam Search for Explosive Optical Transients Associated with IceCube Neutrino Alerts. Astrophysical Journal, 2019, 883, 125.	1.6	8
20	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	8.2	602
21	Dark Energy Survey Year 1 results: cross-correlation redshifts â€“ methods and systematics characterization. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1664-1682.	1.6	63
22	Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 478, 592-610.	1.6	145
23	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. Astrophysical Journal Letters, 2017, 848, L16.	3.0	392
24	Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. Astrophysical Journal Letters, 2017, 849, L34.	3.0	49
25	Multipole analysis of redshift-space distortions around cosmic voids. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 014-014.	1.9	52
26	Cross-correlation of galaxies and galaxy clusters in the Sloan Digital Sky Survey and the importance of non-Poissonian shot noise. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2566-2577.	1.6	23
27	On the linearity of tracer bias around voids. Monthly Notices of the Royal Astronomical Society, 2017, 469, 787-799.	1.6	52
28	Stacking for machine learning redshifts applied to SDSS galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3152-3162.	1.6	17
29	Constraints on Cosmology and Gravity from the Dynamics of Voids. Physical Review Letters, 2016, 117, 091302.	2.9	121
30	Imprint of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td (stretchy="false">)</mml:m Physical Review D, 2016, 93, .	1.6	27
31	Tuning target selection algorithms to improve galaxy redshift estimates. Monthly Notices of the Royal Astronomical Society, 2016, 458, 4498-4511.	1.6	3
32	Data augmentation for machine learning redshifts applied to Sloan Digital Sky Survey galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 450, 305-316.	1.6	31
33	Anomaly detection for machine learning redshifts applied to SDSS galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4183-4194.	1.6	40
34	Improved primordial non-Gaussianity constraints from measurements of galaxy clustering and the integrated Sachs-Wolfe effect. Physical Review D, 2014, 89, .	1.6	101
35	The Dark Universe â€“ A mystery of 21st century physics. Annalen Der Physik, 2014, 526, A61.	0.9	0
36	Cosmology and Fundamental Physics with the Euclid Satellite. Living Reviews in Relativity, 2013, 16, 6.	8.2	683

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37	Cluster probes of dark energy clustering. Physical Review D, 2013, 88, .	1.6	14
38	Spherical collapse and halo mass function in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 692 Td (stretchy="false">)</mml:m	1.6	58
39	On the validity of cosmological Fisher matrix forecasts. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 009-009.	1.9	61
40	Separate universes do not constrain primordial black hole formation. Physical Review D, 2011, 83, .	1.6	55
41	Complementarity of future dark energy probes. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2212-2232.	1.6	3
42	Constraining warm dark matter with cosmic shear power spectra. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 022-022.	1.9	30
43	Modified gravity: the CMB, weak lensing and general parameterisations. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 036-036.	1.9	20
44	Parameterizing scalar-tensor theories for cosmological probes. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 006-006.	1.9	19
45	Constraining modified gravity and growth with weak lensing. Monthly Notices of the Royal Astronomical Society, 2009, 395, 197-209.	1.6	56
46	Accurate Realizations of the Ionized Gas in Galaxy Clusters: Calibrating Feedback. Astrophysical Journal, 2007, 663, 139-149.	1.6	32
47	The Bound Mass of Substructures in Dark Matter Halos. Astrophysical Journal, 2007, 659, 1082-1095.	1.6	26
48	Statistics of Physical Properties of Dark Matter Clusters. Astrophysical Journal, 2006, 646, 815-833.	1.6	178
49	The cosmic microwave background and the ionization history of the Universe. Monthly Notices of the Royal Astronomical Society, 2006, 373, 561-570.	1.6	60
50	Constraining Inverse-Curvature Gravity with Supernovae. Physical Review Letters, 2006, 96, 041103.	2.9	99
51	Optimizing the yield of Sunyaev-Zel'dovich cluster surveys. Monthly Notices of the Royal Astronomical Society, 2005, 362, 171-183.	1.6	6
52	Anomalous Flux Ratios in Gravitational Lenses: For or against Cold Dark Matter?. Astrophysical Journal, 2004, 604, L5-L8.	1.6	88
53	Neutral hydrogen surveys for high-redshift galaxy clusters and protoclusters. Monthly Notices of the Royal Astronomical Society, 2004, 355, 1339-1347.	1.6	106
54	Constraints on the primordial power spectrum from high-resolution Lyman Î± forest spectra and WMAP. Monthly Notices of the Royal Astronomical Society, 2004, 355, L23-L28.	1.6	58

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55	Constraining cosmological parameters using Sunyaev-Zelâ€™dovich cluster surveys. Physical Review D, 2003, 68, .	1.6	102
56	Future supernovae observations as a probe of dark energy. Physical Review D, 2002, 65, .	1.6	268
57	Constraining Dark Energy with Sunyaev-Zelâ€™dovich Cluster Surveys. Physical Review Letters, 2002, 88, 231301.	2.9	87
58	Cosmic concordance and the fine structure constant. Physical Review D, 2001, 63, .	1.6	79
59	Opportunities for Future Supernova Studies of Cosmic Acceleration. Physical Review Letters, 2001, 86, 1939-1942.	2.9	156
60	Cosmic structure formation in hybrid inflation models. Physical Review D, 2000, 61, .	1.6	46
61	BUBBLES FROM DARK ENERGY ?. , 2000, , .		1
62	Reionization by active sources and its effects on the cosmic microwave background. Physical Review D, 1999, 60, .	1.6	8
63	Inhomogeneous Reionization and the Polarization of the Cosmic Microwave Background. Astrophysical Journal, 1999, 527, L1-L4.	1.6	13
64	On model selection in cosmology. SciPost Physics Lecture Notes, 0, , .	0.0	14