

Justin Alsing

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,632
citations

331259

21
h-index

525886

27
g-index

31
all docs

31
docs citations

31
times ranked

3403
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>CosmoPower</scp>: emulating cosmological power spectra for accelerated Bayesian inference from next-generation surveys. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1771-1788.	1.6	47
2	Measuring the thermal and ionization state of the low- <i>z</i> IGM using likelihood free inference. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2188-2207.	1.6	2
3	Non-parametric spatial curvature inference using late-Universe cosmological probes. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 506, L1-L5.	1.2	70
4	Nested sampling with any prior you like. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L95-L99.	1.2	15
5	Unbiased likelihood-free inference of the Hubble constant from light standard sirens. Physical Review D, 2021, 104, .	1.6	9
6	Lossless, scalable implicit likelihood inference for cosmological fields. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 049.	1.9	20
7	SPECULATOR: Emulating Stellar Population Synthesis for Fast and Accurate Galaxy Spectra and Photometry. Astrophysical Journal, Supplement Series, 2020, 249, 5.	3.0	33
8	Likelihood-free inference with neural compression of DES SV weak lensing map statistics. Monthly Notices of the Royal Astronomical Society, 2020, 501, 954-969.	1.6	54
9	The Quijote Simulations. Astrophysical Journal, Supplement Series, 2020, 250, 2.	3.0	149
10	Inconsistencies between chemistry-climate models and observed lower stratospheric ozone trends since 1998. Atmospheric Chemistry and Physics, 2020, 20, 9737-9752.	1.9	37
11	Nuisance hardened data compression for fast likelihood-free inference. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5093-5103.	1.6	63
12	Stratospheric ozone trends for 1985-2018: sensitivity to recent large variability. Atmospheric Chemistry and Physics, 2019, 19, 12731-12748.	1.9	57
13	The Upper Stratospheric Solar Cycle Ozone Response. Geophysical Research Letters, 2019, 46, 1831-1841.	1.5	13
14	Prospects for Resolving the Hubble Constant Tension with Standard Sirens. Physical Review Letters, 2019, 122, 061105.	2.9	143
15	dlmrc: Dynamical linear model regression for atmospheric time-series analysis. Journal of Open Source Software, 2019, 4, 1157.	2.0	7
16	Evidence for a continuous decline in lower stratospheric ozone offsetting ozone layer recovery. Atmospheric Chemistry and Physics, 2018, 18, 1379-1394.	1.9	214
17	Evidence for a maximum mass cut-off in the neutron star mass distribution and constraints on the equation of state. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1377-1391.	1.6	157
18	Generalized massive optimal data compression. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 476, L60-L64.	1.2	56

#	ARTICLE	IF	CITATIONS
19	Massive optimal data compression and density estimation for scalable, likelihood-free inference in cosmology. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2874-2885.	1.6	87
20	The limits of cosmic shear. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2737-2749.	1.6	64
21	Cosmological parameters, shear maps and power spectra from CFHTLenS using Bayesian hierarchical inference. Monthly Notices of the Royal Astronomical Society, 2017, 466, 3272-3292.	1.6	40
22	Reconciling differences in stratospheric ozone composites. Atmospheric Chemistry and Physics, 2017, 17, 12269-12302.	1.9	35
23	Hierarchical cosmic shear power spectrum inference. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4452-4466.	1.6	51
24	Testing general relativity with present and future astrophysical observations. Classical and Quantum Gravity, 2015, 32, 243001.	1.5	943
25	Weak lensing with sizes, magnitudes and shapes. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1202-1216.	1.6	29
26	3D cosmic shear: cosmology from CFHTLenS. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1326-1349.	1.6	105
27	Combining size and shape in weak lensing. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 433, L6-L10.	1.2	29
28	Fast likelihood-free cosmology with neural density estimators and active learning. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	78