Justin Alsing

List of Publications by Year
in descending order

28	2,632	331259	525886
papers	citations	21	27
		h-index	g-index

31	31	31	3403
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Testing general relativity with present and future astrophysical observations. Classical and Quantum Gravity, 2015, 32, 243001.	1.5	943
2	Evidence for a continuous decline in lower stratospheric ozone offsetting ozone layer recovery. Atmospheric Chemistry and Physics, 2018, 18, 1379-1394.	1.9	214
3	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
4	The Quijote Simulations. Astrophysical Journal, Supplement Series, 2020, 250, 2.	3.0	149
5	Prospects for Resolving the Hubble Constant Tension with Standard Sirens. Physical Review Letters, 2019, 122, 061105.	2.9	143
6	3D cosmic shear: cosmology from CFHTLenS. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1326-1349.	1.6	105
7	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
8	Fast likelihood-free cosmology with neural density estimators and active learning. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	78
9	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
10	The limits of cosmic shear. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2737-2749.	1.6	64
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	Generalized massive optimal data compression. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 476, L60-L64.	1.2	56
14	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
15	Hierarchical cosmic shear power spectrum inference. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4452-4466.	1.6	51
16	<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
17	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
18	Inconsistencies between chemistry–climate models and observed lower stratospheric ozone trends since 1998. Atmospheric Chemistry and Physics, 2020, 20, 9737-9752.	1.9	37

#	Article	IF	Citations
19	Reconciling differences in stratospheric ozone composites. Atmospheric Chemistry and Physics, 2017, 17, 12269-12302.	1.9	35
20	SPECULATOR: Emulating Stellar Population Synthesis for Fast and Accurate Galaxy Spectra and Photometry. Astrophysical Journal, Supplement Series, 2020, 249, 5.	3.0	33
21	Combining size and shape in weak lensing. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 433, L6-L10.	1.2	29
22	Weak lensing with sizes, magnitudes and shapes. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1202-1216.	1.6	29
23	Lossless, scalable implicit likelihood inference for cosmological fields. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 049.	1.9	20
24	Nested sampling with any prior you like. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 505, L95-L99.	1.2	15
25	The Upper Stratospheric Solar Cycle Ozone Response. Geophysical Research Letters, 2019, 46, 1831-1841.	1.5	13
26	Unbiased likelihood-free inference of the Hubble constant from light standard sirens. Physical Review D, 2021, 104, .	1.6	9
27	dlmmc: Dynamical linear model regression for atmospheric time-series analysis. Journal of Open Source Software, 2019, 4, 1157.	2.0	7
28	Measuring the thermal and ionization state of the low-z IGM using likelihood free inference. Monthly Notices of the Royal Astronomical Society, 2022, 515, 2188-2207.	1.6	2