James Bosch

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8502339/publications.pdf

Version: 2024-02-01

25 papers	4,487 citations	257357 24 h-index	552653 26 g-index
26 all docs	26 docs citations	26 times ranked	3389 citing authors

#	Article	IF	Citations
1	The Hyper Suprime-Cam SSP Survey: Overview and survey design. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	566
2	Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam first-year data. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	413
3	The Hyper Suprime-Cam software pipeline. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	346
4	First data release of the Hyper Suprime-Cam Subaru Strategic Program. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	327
5	Second data release of the Hyper Suprime-Cam Subaru Strategic Program. Publication of the Astronomical Society of Japan, 2019, 71, .	1.0	320
6	Hyper Suprime-Cam: System design and verification of image quality. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	289
7	GalSim: The modular galaxy image simulation toolkit. Astronomy and Computing, 2015, 10, 121-150.	0.8	256
8	The first-year shear catalog of the Subaru Hyper Suprime-Cam Subaru Strategic Program Survey. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	174
9	Cosmological constraints from cosmic shear two-point correlation functions with HSC survey first-year data. Publication of the Astronomical Society of Japan, 2020, 72, .	1.0	169
10	SUBARU HIGH-z EXPLORATION OF LOW-LUMINOSITY QUASARS (SHELLQs). I. DISCOVERY OF 15 QUASARS AND BRIGHT GALAXIES AT 5.7 < z < 6.9^{â^—} â€. Astrophysical Journal, 2016, 828, 26.	1.6	164
11	The on-site quality-assurance system for Hyper Suprime-Cam: OSQAH. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	156
12	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). V. Quasar Luminosity Function and Contribution to Cosmic Reionization at zÂ=Â6. Astrophysical Journal, 2018, 869, 150.	1.6	153
13	THE THIRD GRAVITATIONAL LENSING ACCURACY TESTING (GREAT3) CHALLENGE HANDBOOK. Astrophysical Journal, Supplement Series, 2014, 212, 5.	3.0	125
14	GREAT3 results â€“ I. Systematic errors in shear estimation and the impact of real galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2963-3007.	1.6	119
15	Third data release of the Hyper Suprime-Cam Subaru Strategic Program. Publication of the Astronomical Society of Japan, 2022, 74, 247-272.	1.0	117
16	Discovery of the First Low-luminosity Quasar at zÂ>Â7. Astrophysical Journal Letters, 2019, 872, L2.	3.0	114
17	Weak lensing shear calibration with simulations of the HSC survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3170-3195.	1.6	102
18	Subaru High-<i>z</i> Exploration of Low-Luminosity Quasars (SHELLQs). II. Discovery of 32 quasars and luminous galaxies at 5.7Â<Â<i>z</i> â‰ˆ 6.8. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	95

#	Article	IF	Citations
19	The bright-star masks for the HSC-SSP survey. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	93
20	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). IV. Discovery of 41 Quasars and Luminous Galaxies at 5.7Ââ‰ÂzÂâ‰Â6.9. Astrophysical Journal, Supplement Series, 2018, 237, 5.	3.0	81
21	Characterization and photometric performance of the Hyper Suprime-Cam Software Pipeline. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	80
22	The quasar luminosity function at redshift 4 with the Hyper Suprime-Cam Wide Survey. Publication of the Astronomical Society of Japan, 2018, 70, .	1.0	74
23	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). X. Discovery of 35 Quasars and Luminous Galaxies at 5.7 â‰ÂzÂâ‰Â7.0. Astrophysical Journal, 2019, 883, 183.	1.6	74
24	scarlet: Source separation in multi-band images by Constrained Matrix Factorization. Astronomy and Computing, 2018, 24, 129-142.	0.8	46
25	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XVI. 69 New Quasars at 5.8 < z < 7.0. Astrophysical Journal, Supplement Series, 2022, 259, 18.	3.0	25