

# James Bosch

## List of Publications by Citations

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**Version:** 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24  
papers

2,707  
citations

23  
h-index

26  
g-index

26  
ext. papers

3,556  
ext. citations

4.2  
avg, IF

4.02  
L-index

#	Paper	IF	Citations
24	The Hyper Suprime-Cam SSP Survey: Overview and survey design. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	315
23	The Hyper Suprime-Cam software pipeline. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	234
22	Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam first-year data. <i>Publication of the Astronomical Society of Japan</i> , <b>2019</b> , 71,	3.2	231
21	First data release of the Hyper Suprime-Cam Subaru Strategic Program. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	188
20	GalSim: The modular galaxy image simulation toolkit. <i>Astronomy and Computing</i> , <b>2015</b> , 10, 121-150	2.4	170
19	Second data release of the Hyper Suprime-Cam Subaru Strategic Program. <i>Publication of the Astronomical Society of Japan</i> , <b>2019</b> , 71,	3.2	166
18	Hyper Suprime-Cam: System design and verification of image quality. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	141
17	The first-year shear catalog of the Subaru Hyper Suprime-Cam Subaru Strategic Program Survey. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	124
16	SUBARU HIGH-z EXPLORATION OF LOW-LUMINOSITY QUASARS (SHELLQs). I. DISCOVERY OF 15 QUASARS AND BRIGHT GALAXIES AT 5.7. <i>Astrophysical Journal</i> , <b>2016</b> , 828, 26	4.7	123
15	The on-site quality-assurance system for Hyper Suprime-Cam: OSQA. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	116
14	THE THIRD GRAVITATIONAL LENSING ACCURACY TESTING (GREAT3) CHALLENGE HANDBOOK. <i>Astrophysical Journal, Supplement Series</i> , <b>2014</b> , 212, 5	8	109
13	GREAT3 results II. Systematic errors in shear estimation and the impact of real galaxy morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 2963-3007	4.3	97
12	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). V. Quasar Luminosity Function and Contribution to Cosmic Reionization at $z = 6$ . <i>Astrophysical Journal</i> , <b>2018</b> , 869, 150	4.7	92
11	Cosmological constraints from cosmic shear two-point correlation functions with HSC survey first-year data. <i>Publication of the Astronomical Society of Japan</i> , <b>2020</b> , 72,	3.2	80
10	Subaru High-z Exploration of Low-Luminosity Quasars (SHELLQs). II. Discovery of 32 quasars and luminous galaxies at 5.7. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	76
9	The bright-star masks for the HSC-SSP survey. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	69
8	Discovery of the First Low-luminosity Quasar at $z > 7$ . <i>Astrophysical Journal Letters</i> , <b>2019</b> , 872, L2	7.9	67

7	Characterization and photometric performance of the Hyper Suprime-Cam Software Pipeline. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	63
6	Subaru High- z Exploration of Low-luminosity Quasars (SHELLQs). IV. Discovery of 41 Quasars and Luminous Galaxies at $5.7 \leq z \leq 5.9$ . <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 237, 5	8	62
5	Weak lensing shear calibration with simulations of the HSC survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 3170-3195	4-3	58
4	The quasar luminosity function at redshift 4 with the Hyper Suprime-Cam Wide Survey. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	49
3	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). X. Discovery of 35 Quasars and Luminous Galaxies at $5.7 \leq z \leq 7.0$ . <i>Astrophysical Journal</i> , <b>2019</b> , 883, 183	4-7	38
2	scarlet: Source separation in multi-band images by Constrained Matrix Factorization. <i>Astronomy and Computing</i> , <b>2018</b> , 24, 129-142	2-4	25
1	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XVI. 69 New Quasars at $5.8 \leq z \leq 7.0$ . <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 18	8	2