

# Yousuke Utsumi

## List of Publications by Year in descending order

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76  
papers

5,222  
citations

201575

27  
h-index

102432

66  
g-index

77  
all docs

77  
docs citations

77  
times ranked

5714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018, 361, .	6.0	654
2	The Hyper Suprime-Cam SSP Survey: Overview and survey design. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	566
3	Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam first-year data. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	1.0	413
4	First data release of the Hyper Suprime-Cam Subaru Strategic Program. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	327
5	Second data release of the Hyper Suprime-Cam Subaru Strategic Program. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	1.0	320
6	Hyper Suprime-Cam: System design and verification of image quality. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	289
7	Hyper Suprime-Cam. <i>Proceedings of SPIE</i> , 2012, , .	0.8	242
8	Kilonova from post-merger ejecta as an optical and near-Infrared counterpart of GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	1.0	203
9	The first-year shear catalog of the Subaru Hyper Suprime-Cam Subaru Strategic Program Survey. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	174
10	SUBARU HIGH-z EXPLORATION OF LOW-LUMINOSITY QUASARS (SHELLQs). I. DISCOVERY OF 15 QUASARS AND BRIGHT GALAXIES AT $5.7 < z < 6.9$ . <i>Astrophysical Journal</i> , 2016, 828, 26.	1.6	164
11	Hyper Suprime-Cam: Camera dewar design. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	162
12	The on-site quality-assurance system for Hyper Suprime-Cam: OSQAH. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	156
13	J-GEM observations of an electromagnetic counterpart to the neutron star merger GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	1.0	155
14	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). V. Quasar Luminosity Function and Contribution to Cosmic Reionization at $z \sim 6$ . <i>Astrophysical Journal</i> , 2018, 869, 150.	1.6	153
15	Discovery of the First Low-luminosity Quasar at $z \sim 7$ . <i>Astrophysical Journal Letters</i> , 2019, 872, L2.	3.0	114
16	DISCOVERY OF A DISSOCIATIVE GALAXY CLUSTER MERGER WITH LARGE PHYSICAL SEPARATION. <i>Astrophysical Journal Letters</i> , 2012, 747, L42.	3.0	111
17	Subaru High-z Exploration of Low-Luminosity Quasars (SHELLQs). II. Discovery of 32 quasars and luminous galaxies at $5.7 < z < 6.8$ . <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	95
18	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). IV. Discovery of 41 Quasars and Luminous Galaxies at $5.7 < z < 6.9$ . <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 5.	3.0	81

#	ARTICLE	IF	CITATIONS
19	Subaru High- $z$ Exploration of Low-luminosity Quasars (SHELLQs). X. Discovery of 35 Quasars and Luminous Galaxies at $5.7 < z < i > \leq 7.0$ . <i>Astrophysical Journal</i> , 2019, 883, 183.	1.6	74
20	A LARGE NUMBER OF $z > 6$ GALAXIES AROUND A QSO AT $z = 6.43$ : EVIDENCE FOR A PROTOCLUSTER?. <i>Astrophysical Journal</i> , 2010, 721, 1680-1688.	1.6	63
21	A HYPER SUPRIME-CAM VIEW OF THE INTERACTING GALAXIES OF THE M81 GROUP. <i>Astrophysical Journal Letters</i> , 2015, 809, L1.	3.0	48
22	Two- and three-dimensional wide-field weak lensing mass maps from the Hyper Suprime-Cam Subaru Strategic Program S16A data. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	42
23	Hyper-luminous dust-obscured galaxies discovered by the Hyper Suprime-Cam on Subaru and WISE. <i>Publication of the Astronomical Society of Japan</i> , 2015, 67, .	1.0	39
24	PROPERTIES OF WEAK LENSING CLUSTERS DETECTED ON HYPER SUPRIME-CAM's 2.3 deg <sup>2</sup> FIELD. <i>Astrophysical Journal</i> , 2015, 807, 22.	1.6	37
25	A QSO host galaxy and its Ly $\alpha$ emission at $z = 6.43$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 400, 843-850.	1.6	32
26	A large sample of shear-selected clusters from the Hyper Suprime-Cam Subaru Strategic Program S16A Wide field mass maps. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	30
27	J-GEM follow-up observations to search for an optical counterpart of the first gravitational wave source GW150914. <i>Publication of the Astronomical Society of Japan</i> , 2016, 68, .	1.0	28
28	Search for Optically Dark Infrared Galaxies without Counterparts of Subaru Hyper Suprime-Cam in the AKARI North Ecliptic Pole Wide Survey Field. <i>Astrophysical Journal</i> , 2020, 899, 35.	1.6	27
29	Subaru High- $z$ Exploration of Low-luminosity Quasars (SHELLQs). XVI. 69 New Quasars at $5.8 < z < i > \leq 7.0$ . <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 18.	3.0	25
30	Quiescent Galaxy Size and Spectroscopic Evolution: Combining HSC Imaging and Hectospec Spectroscopy. <i>Astrophysical Journal</i> , 2019, 872, 91.	1.6	24
31	A Gunn-Peterson test with a QSO at $z = 6.4$ . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 415, L1-L5.	1.2	22
32	J-GEM follow-up observations of the gravitational wave source GW151226*. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .	1.0	22
33	The HectoMAP Cluster Survey. I. redMaPPer Clusters. <i>Astrophysical Journal</i> , 2018, 856, 172.	1.6	19
34	A SPECTROSCOPICALLY CONFIRMED DOUBLE SOURCE PLANE LENS SYSTEM IN THE HYPER SUPRIME-CAM SUBARU STRATEGIC PROGRAM. <i>Astrophysical Journal Letters</i> , 2016, 826, L19.	3.0	17
35	No Ly $\alpha$ emitters detected around a QSO at $z = 6.4$ : Suppressed by the QSO?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 470, L117-L121.	1.2	17
36	Infrared luminosity functions based on 18 mid-infrared bands: revealing cosmic star formation history with AKARI and Hyper Suprime-Cam. <i>Publication of the Astronomical Society of Japan</i> , 2019, 71, .	1.0	17

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37	Stellar Population and Structural Properties of Dwarf Galaxies and Young Stellar Systems in the M81 Group. <i>Astrophysical Journal</i> , 2019, 884, 128.	1.6	16
38	Blazar Radio and Optical Survey (BROS): A Catalog of Blazar Candidates Showing Flat Radio Spectrum and Their Optical Identification in Pan-STARRS1 Surveys. <i>Astrophysical Journal</i> , 2020, 901, 3.	1.6	15
39	Spectroscopy of the spatially extended Ly $\alpha$ emission around a quasar at $z = 6.4$ . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 421, L77-L81.	1.2	14
40	REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS. <i>Astrophysical Journal</i> , 2014, 786, 93.	1.6	14
41	Subaru/HSC deep optical imaging of infrared sources in the AKARI North Ecliptic Pole-Wide field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5024-5042.	1.6	14
42	Subaru Hyper Suprime-Cam Survey for an optical counterpart of GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	13
43	Hundreds of weak lensing shear-selected clusters from the Hyper Suprime-Cam Subaru Strategic Program S19A data. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 817-829.	1.0	13
44	TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS: A SUBARU FIELD. <i>Astrophysical Journal</i> , 2012, 750, 168.	1.6	13
45	A WEAK LENSING VIEW OF THE DOWNSIZING OF STAR-FORMING GALAXIES*. <i>Astrophysical Journal</i> , 2016, 833, 156.	1.6	10
46	The HectoMAP Cluster Survey. II. X-Ray Clusters. <i>Astrophysical Journal</i> , 2018, 855, 100.	1.6	10
47	A challenge to identify an optical counterpart of the gravitational wave event GW151226 with Hyper Suprime-Cam. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	10
48	The HectoMAP Redshift Survey: First Data Release. <i>Astrophysical Journal</i> , 2021, 909, 129.	1.6	10
49	Optical follow-up observation for GW event S190510g using Subaru/Hyper Suprime-Cam. <i>Publication of the Astronomical Society of Japan</i> , 2021, 73, 350-364.	1.0	9
50	J-GEM optical and near-infrared follow-up of gravitational wave events during LIGO <sup>™</sup> s and Virgo <sup>™</sup> s third observing run. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	1.8	8
51	The HectoMAP Cluster Survey: Spectroscopically Identified Clusters and their Brightest Cluster Galaxies (BCGs). <i>Astrophysical Journal</i> , 2021, 923, 143.	1.6	8
52	GALAXY-SCALE GRAVITATIONAL LENS CANDIDATES FROM THE HYPER SUPRIME-CAM IMAGING SURVEY AND THE GALAXY AND MASS ASSEMBLY SPECTROSCOPIC SURVEY. <i>Astrophysical Journal</i> , 2016, 832, 135.	1.6	7
53	Multiwavelength study of X-ray luminous clusters in the Hyper Suprime-Cam Subaru Strategic Program S16A field. <i>Publication of the Astronomical Society of Japan</i> , 2018, 70, .	1.0	7
54	Quality Evaluation of in vitro-Produced Bovine Embryos by Respiration Measurement and Development of Semi-Automatic Instrument. <i>Bunseki Kagaku</i> , 2006, 55, 847-854.	0.1	6

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55	First On-Site Data Analysis System for Subaru/Suprime-Cam. Publication of the Astronomical Society of Japan, 2011, 63, S585-S603.	1.0	6
56	Hyper Suprime-Cam: the control system. Proceedings of SPIE, 2012, , .	0.8	6
57	Possible evolution of the circum-galactic medium around QSOs with QSO age and cosmic time revealed by Ly $\alpha$ haloes. Monthly Notices of the Royal Astronomical Society, 2019, 488, 120-134.	1.6	6
58	Velocity Dispersions of Massive Quiescent Galaxies from Weak Lensing and Spectroscopy*. Astrophysical Journal, 2020, 900, 50.	1.6	6
59	Wide-Field Video Observation and Statistical Analysis of the Leonid Meteor Storm in 2001. Publication of the Astronomical Society of Japan, 2003, 55, 567-571.	1.0	4
60	Hyper Suprime-Cam: performance of the CCD readout electronics. , 2012, , .		4
61	Follow-up observations for IceCube-170922A: Detection of rapid near-infrared variability and intensive monitoring of TXS $\nu$ 0506+056. Publication of the Astronomical Society of Japan, 2021, 73, 25-43.	1.0	4
62	CLUSTERING OF EXTREMELY RED OBJECTS IN THE SUBARU GTO 2DEG2 FIELD. Journal of the Korean Astronomical Society, 2017, 50, 61-70.	1.5	4
63	Quiescent Galaxy Size, Velocity Dispersion, and Dynamical Mass Evolution. Astrophysical Journal, 2022, 929, 61.	1.6	4
64	A prototype of Hyper Suprime-Cam data analysis system. Proceedings of SPIE, 2010, , .	0.8	3
65	Hyper Suprime-Cam: filter exchange unit and shutter. , 2012, , .		3
66	Gravitational Wave Physics and Astronomy in the nascent era. Progress of Theoretical and Experimental Physics, 0, , .	1.8	3
67	Integration and verification testing of the LSST camera. , 2018, , .		3
68	Hyper Suprime-Cam: data analysis and management system. , 2008, , .		2
69	LoVoCCS. I. Survey Introduction, Data Processing Pipeline, and Early Science Results. Astrophysical Journal, 2022, 933, 84.	1.6	2
70	Application of a Self-Organizing State Space Model to the Leonid Meteor Storm in 2001. Publication of the Astronomical Society of Japan, 2003, 55, 535-541.	1.0	1
71	Characterization and correction of serial deferred charge in LSST camera ITL CCDs. Journal of Astronomical Telescopes, Instruments, and Systems, 2021, 7, .	1.0	1
72	Acceptance testing for LSST camera raft tower modules. , 2018, , .		1

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73	Hyper Suprime-Cam: conceptual design to introduce spectroscopic mode. Proceedings of SPIE, 2012, , .	0.8	0
74	Resolved Stellar Populations of the interacting galaxies of the M81 group. Proceedings of the International Astronomical Union, 2016, 11, 22-24.	0.0	0
75	OPTICAL-INFRARED AND HIGH-ENERGY ASTRONOMY COLLABORATION AT HIROSHIMA ASTROPHYSICAL SCIENCE CENTER. Publications of the Korean Astronomical Society, 2015, 30, 679-682.	0.1	0
76	Development of a compact readout system for optical CCD in Higashi-Hiroshima Observatory. , 2018, , .		0