

Yousuke Utsumi

List of Publications by Citations

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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.

71
papers

3,348
citations

24
h-index

57
g-index

77
ext. papers

4,229
ext. citations

4.6
avg, IF

4.13
L-index

#	Paper	IF	Citations
71	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018 , 361,	33.3	407
70	The Hyper Suprime-Cam SSP Survey: Overview and survey design. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	315
69	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,	3.2	231
68	Hyper Suprime-Cam 2012 ,		206
67	First data release of the Hyper Suprime-Cam Subaru Strategic Program. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	188
66	Second data release of the Hyper Suprime-Cam Subaru Strategic Program. <i>Publication of the Astronomical Society of Japan</i> , 2019 , 71,	3.2	166
65	Hyper Suprime-Cam: System design and verification of image quality. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	141
64	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,	3.2	126
63	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,	3.2	124
62	SUBARU HIGH-z EXPLORATION OF LOW-LUMINOSITY QUASARS (SHELLQs). I. DISCOVERY OF 15 QUASARS AND BRIGHT GALAXIES AT 5.7. <i>Astrophysical Journal</i> , 2016 , 828, 26	4.7	123
61	Hyper Suprime-Cam: Camera dewar design. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	119
60	The on-site quality-assurance system for Hyper Suprime-Cam: OSQAH. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	116
59	J-GEM observations of an electromagnetic counterpart to the neutron star merger GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2017 , 69,	3.2	108
58	DISCOVERY OF A DISSOCIATIVE GALAXY CLUSTER MERGER WITH LARGE PHYSICAL SEPARATION. <i>Astrophysical Journal Letters</i> , 2012 , 747, L42	7.9	97
57	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> , 2018 , 869, 150	4.7	92
56	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> , 2018 , 70,	3.2	76
55	Discovery of the First Low-luminosity Quasar at $z > 7$. <i>Astrophysical Journal Letters</i> , 2019 , 872, L2	7.9	67

54	Subaru High- z Exploration of Low-luminosity Quasars (SHELLQs). IV. Discovery of 41 Quasars and Luminous Galaxies at 5.7 $\leq z \leq 6.9$. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 237, 5	8	62
53	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	4-7	57
52	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> , 2019 , 883, 183	4-7	38
51	A HYPER SUPRIME-CAM VIEW OF THE INTERACTING GALAXIES OF THE M81 GROUP. <i>Astrophysical Journal Letters</i> , 2015 , 809, L1	7-9	36
50	PROPERTIES OF WEAK LENSING CLUSTERS DETECTED ON HYPER SUPRIME-CAM'S 2.3 DEG ² FIELD. <i>Astrophysical Journal</i> , 2015 , 807, 22	4-7	34
49	A QSO host galaxy and its Ly α emission at $z = 6.43$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009 , 400, 843-850	4-3	30
48	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, L9	3-2	26
47	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, 86	3-2	24
46	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,	3-2	22
45	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,	3-2	21
44	J-GEM follow-up observations of the gravitational wave source GW151226*. <i>Publication of the Astronomical Society of Japan</i> , 2017 , 69, 9	3-2	20
43	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	4-3	20
42	Quiescent Galaxy Size and Spectroscopic Evolution: Combining HSC Imaging and Hectospec Spectroscopy. <i>Astrophysical Journal</i> , 2019 , 872, 91	4-7	16
41	No Ly α 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	4-3	16
40	The HectoMAP Cluster Survey. I. redMaPPer Clusters. <i>Astrophysical Journal</i> , 2018 , 856, 172	4-7	15
39	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	4-7	15
38	REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS. <i>Astrophysical Journal</i> , 2014 , 786, 93	4-7	14
37	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,	3-2	13

36	Spectroscopy of the spatially extended Ly α emission around a quasar at $z = 6.4$. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012 , 421, L77-L81	4.3	12
35	A SPECTROSCOPICALLY CONFIRMED DOUBLE SOURCE PLANE LENS SYSTEM IN THE HYPER SUPRIME-CAM SUBARU STRATEGIC PROGRAM. <i>Astrophysical Journal Letters</i> , 2016 , 826, L19	7.9	12
34	TESTING WEAK-LENSING MAPS WITH REDSHIFT SURVEYS: A SUBARU FIELD. <i>Astrophysical Journal</i> , 2012 , 750, 168	4.7	11
33	Subaru Hyper Suprime-Cam Survey for an optical counterpart of GW170817. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	10
32	A WEAK LENSING VIEW OF THE DOWNSIZING OF STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2016 , 833, 156	4.7	9
31	The HectoMAP Cluster Survey. II. X-Ray Clusters. <i>Astrophysical Journal</i> , 2018 , 855, 100	4.7	8
30	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,	3.2	8
29	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	4.7	7
28	Hyper Suprime-Cam: the control system 2012 ,		6
27	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	0.2	6
26	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	4.3	6
25	The HectoMAP Redshift Survey: First Data Release. <i>Astrophysical Journal</i> , 2021 , 909, 129	4.7	6
24	Stellar Population and Structural Properties of Dwarf Galaxies and Young Stellar Systems in the M81 Group. <i>Astrophysical Journal</i> , 2019 , 884, 128	4.7	6
23	First On-Site Data Analysis System for Subaru/Suprime-Cam. <i>Publication of the Astronomical Society of Japan</i> , 2011 , 63, S585-S603	3.2	5
22	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	3.2	5
21	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,	3.2	5
20	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	4.7	4
19	Hyper Suprime-Cam: performance of the CCD readout electronics 2012 ,		4

18	Wide-Field Video Observation and Statistical Analysis of the Leonid Meteor Storm in 2001. <i>Publication of the Astronomical Society of Japan</i> , 2003 , 55, 567-571	3-2	4
17	CLUSTERING OF EXTREMELY RED OBJECTS IN THE SUBARU GTO 2DEG2 FIELD. <i>Journal of the Korean Astronomical Society</i> , 2017 , 50, 61-70		4
16	Velocity Dispersions of Massive Quiescent Galaxies from Weak Lensing and Spectroscopy. <i>Astrophysical Journal</i> , 2020 , 900, 50	4-7	4
15	Possible evolution of the circum-galactic medium around QSOs with QSO age and cosmic time revealed by Ly α haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 488, 120-134	4-3	3
14	A prototype of Hyper Suprime-Cam data analysis system 2010 ,		3
13	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	3-2	3
12	Hyper Suprime-Cam: filter exchange unit and shutter 2012 ,		2
11	J-GEM optical and near-infrared follow-up of gravitational wave events during LIGO \AA and Virgo \AA third observing run. <i>Progress of Theoretical and Experimental Physics</i> , 2021 , 2021,	5-4	2
10	Follow-up observations for IceCube-170922A: Detection of rapid near-infrared variability and intensive monitoring of TXS 0506+056. <i>Publication of the Astronomical Society of Japan</i> , 2021 , 73, 25-43	3-2	2
9	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XVI. 69 New Quasars at $5.8 < z < 7.0$. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 259, 18	8	2
8	The HectoMAP Cluster Survey: Spectroscopically Identified Clusters and their Brightest Cluster Galaxies (BCGs). <i>Astrophysical Journal</i> , 2021 , 923, 143	4-7	2
7	Application of a Self-Organizing State Space Model to the Leonid Meteor Storm in 2001. <i>Publication of the Astronomical Society of Japan</i> , 2003 , 55, 535-541	3-2	1
6	Integration and verification testing of the LSST camera 2018 ,		1
5	Acceptance testing for LSST camera raft tower modules 2018 ,		1
4	Gravitational Wave Physics and Astronomy in the nascent era. <i>Progress of Theoretical and Experimental Physics</i> ,	5-4	1
3	Quiescent Galaxy Size, Velocity Dispersion, and Dynamical Mass Evolution. <i>Astrophysical Journal</i> , 2022 , 929, 61	4-7	0
2	Resolved Stellar Populations of the interacting galaxies of the M81 group. <i>Proceedings of the International Astronomical Union</i> , 2016 , 11, 22-24	0-1	
1	OPTICAL-INFRARED AND HIGH-ENERGY ASTRONOMY COLLABORATION AT HIROSHIMA ASTROPHYSICAL SCIENCE CENTER. <i>Publications of the Korean Astronomical Society</i> , 2015 , 30, 679-682		

