

Masayuki Tanaka

List of Publications by Citations

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78
papers

13,116
citations

37
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84
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84
ext. papers

14,841
ext. citations

5
avg, IF

5.07
L-index

#	Paper	IF	Citations
78	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2009 , 182, 543-558	8	3780
77	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011 , 142, 72	4.9	1438
76	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , 2013 , 145, 10	4.9	1280
75	MASS AND ENVIRONMENT AS DRIVERS OF GALAXY EVOLUTION IN SDSS AND zCOSMOS AND THE ORIGIN OF THE SCHECHTER FUNCTION. <i>Astrophysical Journal</i> , 2010 , 721, 193-221	4.7	1214
74	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 193, 29	8	1063
73	THE zCOSMOS 10k-BRIGHT SPECTROSCOPIC SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , 2009 , 184, 218-229	8	428
72	The Hyper Suprime-Cam SSP Survey: Overview and survey design. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	315
71	PHOTOMETRIC RESPONSE FUNCTIONS OF THE SLOAN DIGITAL SKY SURVEY IMAGER. <i>Astronomical Journal</i> , 2010 , 139, 1628-1648	4.9	259
70	The Hyper Suprime-Cam software pipeline. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	234
69	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
68	An updated analytic model for attenuation by the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 442, 1805-1820	4.3	178
67	The Environmental Dependence of Galaxy Properties in the Local Universe: Dependences on Luminosity, Local Density, and System Richness. <i>Astronomical Journal</i> , 2004 , 128, 2677-2695	4.9	173
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	Photometric redshifts for Hyper Suprime-Cam Subaru Strategic Program Data Release 1. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	152
64	Hyper Suprime-Cam: System design and verification of image quality. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	141
63	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
62	Great Optically Luminous Dropout Research Using Subaru HSC (GOLDRUSH). I. UV luminosity functions at $z \sim 4.7$ derived with the half-million dropouts on the 100 deg ² sky. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3.2	117

61	SILVERRUSH. III. Deep optical and near-infrared spectroscopy for Ly α and UV-nebular lines of bright Ly α emitters at $z \approx 6.7$. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	99
60	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
59	Direct observational evidence for a large transient galaxy population in groups at 0.85. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011 , 412, 2303-2317	4-3	83
58	Evidence for a change in the dominant satellite galaxy quenching mechanism at $z \approx 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 456, 4364-4376	4-3	80
57	PHOTOMETRIC REDSHIFT WITH BAYESIAN PRIORS ON PHYSICAL PROPERTIES OF GALAXIES. <i>Astrophysical Journal</i> , 2015 , 801, 20	4-7	78
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	Massive starburst galaxies in a $z = 2.16$ proto-cluster unveiled by panoramic H α mapping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 428, 1551-1564	4-3	68
54	Discovery of the First Low-luminosity Quasar at $z > 7$. <i>Astrophysical Journal Letters</i> , 2019 , 872, L2	7-9	67
53	Quiescent Galaxies 1.5 Billion Years after the Big Bang and Their Progenitors. <i>Astrophysical Journal</i> , 2020 , 889, 93	4-7	63
52	Characterization and photometric performance of the Hyper Suprime-Cam Software Pipeline. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	63
51	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
50	A NEW MILKY WAY SATELLITE DISCOVERED IN THE SUBARU/HYPER SUPRIME-CAM SURVEY. <i>Astrophysical Journal</i> , 2016 , 832, 21	4-7	54
49	Individual stellar haloes of massive galaxies measured to 100 kpc at 0.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 3348-3368	4-3	52
48	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). VI. Black Hole Mass Measurements of Six Quasars at 6.1 $\leq z \leq 6.7$. <i>Astrophysical Journal</i> , 2019 , 880, 77	4-7	52
47	GOLDRUSH. III. A systematic search for protoclusters at $z \approx 4$ based on the $>100 \text{ deg}^2$ area. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	49
46	The quasar luminosity function at redshift 4 with the Hyper Suprime-Cam Wide Survey. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	49
45	A SYSTEMATIC SURVEY OF PROTOCLUSTERS AT $z \sim 3.8$ IN THE CFHTLS DEEP FIELDS. <i>Astrophysical Journal</i> , 2016 , 826, 114	4-7	47
44	Minor Contribution of Quasars to Ionizing Photon Budget at $z \sim 6$: Update on Quasar Luminosity Function at the Faint End with Subaru/Suprime-Cam. <i>Astrophysical Journal Letters</i> , 2017 , 847, L15	7-9	45

43	An optically-selected cluster catalog at redshift 0.1. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	44
42	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). X. Discovery of 35 Quasars and Luminous Galaxies at 5.7 $\leq z < 7.0$. <i>Astrophysical Journal</i> , 2019 , 883, 183	4-7	38
41	Survey of Gravitationally-lensed Objects in HSC Imaging (SuGOHI). I. Automatic search for galaxy-scale strong lenses. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	35
40	Stellar Velocity Dispersion of a Massive Quenching Galaxy at $z = 4.01$. <i>Astrophysical Journal Letters</i> , 2019 , 885, L34	7-9	35
39	SILVERRUSH. VII. Subaru/HSC Identifications of Protocluster Candidates at $z \sim 6$: Implications for Cosmic Reionization. <i>Astrophysical Journal</i> , 2019 , 879, 28	4-7	34
38	Luminous quasars do not live in the most overdense regions of galaxies at $z \sim 4$. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	33
37	A FIRST SITE OF GALAXY CLUSTER FORMATION: COMPLETE SPECTROSCOPY OF A PROTOCLUSTER AT $z = 6.01$. <i>Astrophysical Journal</i> , 2014 , 792, 15	4-7	32
36	First Release of High-Redshift Superluminous Supernovae from the Subaru High- Z SUPernova CAmpaign (SHIZUCA). I. Photometric Properties. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 241, 16	8	28
35	ULTRA-DEEP K S -BAND IMAGING OF THE HUBBLE FRONTIER FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2016 , 226, 6	8	28
34	SPLASH-SXDF Multi-wavelength Photometric Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 235, 36	8	26
33	Clustering of quasars in a wide luminosity range at redshift 4 with Subaru Hyper Suprime-Cam Wide-field imaging. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	25
32	The CFHT large area U-band deep survey (CLAUDS). <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 ,	4-3	24
31	First Results on the Cluster Galaxy Population from the Subaru Hyper Suprime-Cam Survey. III. Brightest Cluster Galaxies, Stellar Mass Distribution, and Active Galaxies. <i>Astrophysical Journal</i> , 2017 , 851, 139	4-7	24
30	CLUSTERING OF INFRARED-BRIGHT DUST-OBSCURED GALAXIES REVEALED BY THE HYPER SUPRIME-CAM ANDWISE. <i>Astrophysical Journal</i> , 2017 , 835, 36	4-7	22
29	Survey of Gravitationally Lensed Objects in HSC Imaging (SuGOHI). II. Environments and Line-of-Sight Structure of Strong Gravitational Lens Galaxies to $z \sim 0.8$. <i>Astrophysical Journal</i> , 2018 , 867, 107	4-7	22
28	The Rest-frame Optical Sizes of Massive Galaxies with Suppressed Star Formation at $z \sim 4$. <i>Astrophysical Journal</i> , 2018 , 867, 1	4-7	19
27	Enhancement of galaxy overdensity around quasar pairs at $z \sim 6$. <i>Publication of the Astronomical Society of Japan</i> , 2018 , 70,	3-2	18
26	First Release of High-redshift Superluminous Supernovae from the Subaru High-Z SUPernova CAmpaign (SHIZUCA). II. Spectroscopic Properties. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 241, 17	8	17

25	The Galaxy Halo Connection in High-redshift Universe: Details and Evolution of Stellar-to-halo Mass Ratios of Lyman Break Galaxies on CFHTLS Deep Fields. <i>Astrophysical Journal</i> , 2017 , 841, 8	4.7	16
24	Balmer Break Galaxy Candidates at $z \sim 6$: A Potential View on the Star Formation Activity at $z \sim 14$. <i>Astrophysical Journal</i> , 2020 , 889, 137	4.7	16
23	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). II. Physical Properties Derived from the SED Fitting with Optical, Infrared, and Radio Data. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 15	8	13
22	The Brightest UV-selected Galaxies in Protoclusters at $z \sim 4$: Ancestors of Brightest Cluster Galaxies?. <i>Astrophysical Journal</i> , 2019 , 878, 68	4.7	12
21	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
20	Stellar Stream and Halo Structure in the Andromeda Galaxy from a Subaru/Hyper Suprime-Cam Survey. <i>Astrophysical Journal</i> , 2018 , 853, 29	4.7	11
19	Prime Focus Spectrograph (PFS) for the Subaru telescope: ongoing integration and future plans 2018 ,		10
18	The Missing Satellite Problem Outside of the Local Group. I. Pilot Observation. <i>Astrophysical Journal</i> , 2018 , 865, 125	4.7	10
17	Statistical Correlation between the Distribution of Ly α Emitters and Intergalactic Medium H I at $z \sim 2.2$ Mapped by the Subaru/Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2021 , 907, 3	4.7	9
16	Hyper Suprime-Cam Subaru Strategic Program: A Mass-dependent Slope of the Galaxy Size-Mass Relation at z <i>Astrophysical Journal</i> , 2021 , 921, 38	4.7	8
15	The Subaru HSC Galaxy Clustering with Photometric Redshift. I. Dark Halo Masses versus Baryonic Properties of Galaxies at $0.3 < z < 1.4$. <i>Astrophysical Journal</i> , 2020 , 904, 128	4.7	6
14	A $16^\circ \times 2^\circ$ survey of emission-line galaxies at $z < 1.6$ from HSC-SSP PDR2 and CHORUS. <i>Publication of the Astronomical Society of Japan</i> , 2020 , 72,	3.2	6
13	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). III. Discovery of a $z = 4.72$ Radio Galaxy with the Lyman Break Technique. <i>Astronomical Journal</i> , 2020 , 160, 60	4.9	5
12	HSC16aayt: A Slowly Evolving Interacting Transient Rising for More than 100 Days. <i>Astrophysical Journal</i> , 2019 , 882, 70	4.7	5
11	The UV Luminosity Function of Protocluster Galaxies at $z \sim 4$: The Bright-end Excess and the Enhanced Star Formation Rate Density. <i>Astrophysical Journal</i> , 2020 , 899, 5	4.7	5
10	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). I. The Optical Counterparts of FIRST Radio Sources. <i>Astrophysical Journal</i> , 2018 , 866, 140	4.7	5
9	A Rapidly Declining Transient Discovered with the Subaru/Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2019 , 885, 13	4.7	3
8	Interrelation of the Environment of Ly α Emitters and Massive Galaxies at $z \sim 2$ <i>Astrophysical Journal</i> , 2021 , 916, 35	4.7	3

7	Hyper Suprime-Cam Legacy Archive. <i>Publication of the Astronomical Society of Japan</i> , 2021 , 73, 735-746	3.2	2
6	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
5	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). IV. Rapidly Growing (Super)Massive Black Holes in Extremely Radio-loud Galaxies. <i>Astrophysical Journal</i> , 2021 , 921, 51	4.7	1
4	Faint Quasars Live in the Same Number Density Environments as Lyman Break Galaxies at $z \sim 4$. <i>Astrophysical Journal</i> , 2020 , 905, 125	4.7	1
3	COSMOS2020: Ubiquitous AGN Activity of Massive Quiescent Galaxies at $0 < z < 5$ Revealed by X-Ray and Radio Stacking. <i>Astrophysical Journal</i> , 2022 , 929, 53	4.7	0
2	Looking at the Distant Universe with the MeerKAT Array: Discovery of a Luminous OH Megamaser at $z > 0.5$. <i>Astrophysical Journal Letters</i> , 2022 , 931, L7	7.9	0
1	X-ray study of the double source plane gravitational lens system Eye of Horus observed with XMM-Newton. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 3411-3418	4.3	