

# Masayuki Tanaka

## List of Publications by Year in Descending Order

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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.

78  
papers

13,116  
citations

37  
h-index

84  
g-index

84  
ext. papers

14,841  
ext. citations

5  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
78	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> , <b>2022</b> , 259, 18	8	2
77	COSMOS2020: Ubiquitous AGN Activity of Massive Quiescent Galaxies at $0 < z < 5$ Revealed by X-Ray and Radio Stacking. <i>Astrophysical Journal</i> , <b>2022</b> , 929, 53	4.7	0
76	Looking at the Distant Universe with the MeerKAT Array: Discovery of a Luminous OH Megamaser at $z > 0.5$ . <i>Astrophysical Journal Letters</i> , <b>2022</b> , 931, L7	7.9	0
75	Hyper Suprime-Cam Subaru Strategic Program: A Mass-dependent Slope of the Galaxy Size-Mass Relation at $z$ . <i>Astrophysical Journal</i> , <b>2021</b> , 921, 38	4.7	8
74	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> , <b>2021</b> , 921, 51	4.7	1
73	Hyper Suprime-Cam Legacy Archive. <i>Publication of the Astronomical Society of Japan</i> , <b>2021</b> , 73, 735-746	3.2	2
72	Statistical Correlation between the Distribution of Ly $\alpha$ Emitters and Intergalactic Medium H I at $z \sim 2.2$ Mapped by the Subaru/Hyper Suprime-Cam. <i>Astrophysical Journal</i> , <b>2021</b> , 907, 3	4.7	9
71	Interrelation of the Environment of Ly $\alpha$ Emitters and Massive Galaxies at $z \sim 2$ . <i>Astrophysical Journal</i> , <b>2021</b> , 916, 35	4.7	3
70	Balmer Break Galaxy Candidates at $z \sim 6$ : A Potential View on the Star Formation Activity at $z \sim 14$ . <i>Astrophysical Journal</i> , <b>2020</b> , 889, 137	4.7	16
69	Quiescent Galaxies 1.5 Billion Years after the Big Bang and Their Progenitors. <i>Astrophysical Journal</i> , <b>2020</b> , 889, 93	4.7	63
68	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> , <b>2020</b> , 491, 3411-3418	4.3	
67	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> , <b>2020</b> , 160, 60	4.9	5
66	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> , <b>2020</b> , 899, 5	4.7	5
65	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> , <b>2020</b> , 904, 128	4.7	6
64	Faint Quasars Live in the Same Number Density Environments as Lyman Break Galaxies at $z \sim 4$ . <i>Astrophysical Journal</i> , <b>2020</b> , 905, 125	4.7	1
63	A $16 \times 16$ deg $^2$ survey of emission-line galaxies at $z < 1.6$ from HSC-SSP PDR2 and CHORUS. <i>Publication of the Astronomical Society of Japan</i> , <b>2020</b> , 72,	3.2	6
62	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> , <b>2019</b> , 243, 15	8	13

61	A Rapidly Declining Transient Discovered with the Subaru/Hyper Suprime-Cam. <i>Astrophysical Journal</i> , <b>2019</b> , 885, 13	4-7	3
60	The CFHT large area U-band deep survey (CLAUDS). <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> ,	4-3	24
59	First Release of High-redshift Superluminous Supernovae from the Subaru High-Z SUPernova Campaign (SHIZUCA). II. Spectroscopic Properties. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 241, 17	8	17
58	First Release of High-Redshift Superluminous Supernovae from the Subaru High- Z SUPernova Campaign (SHIZUCA). I. Photometric Properties. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 241, 16	8	28
57	Discovery of the First Low-luminosity Quasar at $z > 7$ . <i>Astrophysical Journal Letters</i> , <b>2019</b> , 872, L2	7-9	67
56	The Brightest UV-selected Galaxies in Protoclusters at $z \sim 4$ : Ancestors of Brightest Cluster Galaxies?. <i>Astrophysical Journal</i> , <b>2019</b> , 878, 68	4-7	12
55	SILVERRUSH. VII. Subaru/HSC Identifications of Protocluster Candidates at $z \sim 6$ : Implications for Cosmic Reionization. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 28	4-7	34
54	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). X. Discovery of 35 Quasars and Luminous Galaxies at $5.7 < z < 7.0$ . <i>Astrophysical Journal</i> , <b>2019</b> , 883, 183	4-7	38
53	Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). VI. Black Hole Mass Measurements of Six Quasars at $6.1 < z < 6.7$ . <i>Astrophysical Journal</i> , <b>2019</b> , 880, 77	4-7	52
52	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
51	HSC16aayt: A Slowly Evolving Interacting Transient Rising for More than 100 Days. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 70	4-7	5
50	Stellar Velocity Dispersion of a Massive Quenching Galaxy at $z = 4.01$ . <i>Astrophysical Journal Letters</i> , <b>2019</b> , 885, L34	7-9	35
49	The Hyper Suprime-Cam software pipeline. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	234
48	GOLDRUSH. III. A systematic search for protoclusters at $z \sim 4$ based on the $>100 \text{ deg}^2$ area. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	49
47	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> , <b>2018</b> , 70,	3-2	35
46	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
45	Stellar Stream and Halo Structure in the Andromeda Galaxy from a Subaru/Hyper Suprime-Cam Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 853, 29	4-7	11
44	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

43	SPLASH-SXDF Multi-wavelength Photometric Catalog. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 235, 36	8	26
42	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> , <b>2018</b> , 70,	3-2	33
41	Photometric redshifts for Hyper Suprime-Cam Subaru Strategic Program Data Release 1. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	152
40	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> , <b>2018</b> , 237, 5	8	62
39	Individual stellar haloes of massive galaxies measured to 100 kpc at $0.3 \leq z \leq 1.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3348-3368	4-3	52
38	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
37	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
36	Subaru High- $z$ Exploration of Low-Luminosity Quasars (SHELLQs). II. Discovery of 32 quasars and luminous galaxies at $5.7 \leq z \leq 6.9$ . <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	76
35	Great Optically Luminous Dropout Research Using Subaru HSC (GOLDRUSH). I. UV luminosity functions at $z \sim 4-6$ derived with the half-million dropouts on the 100 deg <sup>2</sup> sky. <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	117
34	An optically-selected cluster catalog at redshift $0.1 \leq z \leq 0.3$ . <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	44
33	Prime Focus Spectrograph (PFS) for the Subaru telescope: ongoing integration and future plans <b>2018</b> ,		10
32	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
31	The Missing Satellite Problem Outside of the Local Group. I. Pilot Observation. <i>Astrophysical Journal</i> , <b>2018</b> , 865, 125	4-7	10
30	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> , <b>2018</b> , 867, 107	4-7	22
29	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). I. The Optical Counterparts of FIRST Radio Sources. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 140	4-7	5
28	The Rest-frame Optical Sizes of Massive Galaxies with Suppressed Star Formation at $z \sim 4$ . <i>Astrophysical Journal</i> , <b>2018</b> , 867, 1	4-7	19
27	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
26	SILVERRUSH. III. Deep optical and near-infrared spectroscopy for Ly $\alpha$ and UV-nebular lines of bright Ly $\alpha$ emitters at $z \sim 4-6$ . <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3-2	99

25	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> , <b>2018</b> , 70,	3.2	25
24	Enhancement of galaxy overdensity around quasar pairs at $z \sim 4$ . <i>Publication of the Astronomical Society of Japan</i> , <b>2018</b> , 70,	3.2	18
23	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> , <b>2017</b> , 841, 8	4.7	16
22	CLUSTERING OF INFRARED-BRIGHT DUST-OBSCURED GALAXIES REVEALED BY THE HYPER SUPRIME-CAM AND WISE. <i>Astrophysical Journal</i> , <b>2017</b> , 835, 36	4.7	22
21	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> , <b>2017</b> , 851, 139	4.7	24
20	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> , <b>2017</b> , 847, L15	7.9	45
19	A NEW MILKY WAY SATELLITE DISCOVERED IN THE SUBARU/HYPER SUPRIME-CAM SURVEY. <i>Astrophysical Journal</i> , <b>2016</b> , 832, 21	4.7	54
18	Evidence for a change in the dominant satellite galaxy quenching mechanism at $z \sim 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 456, 4364-4376	4.3	80
17	SUBARU HIGH- $z$ EXPLORATION OF LOW-LUMINOSITY QUASARS (SHELLQs). I. DISCOVERY OF 15 QUASARS AND BRIGHT GALAXIES AT $z \sim 5.7$ . <i>Astrophysical Journal</i> , <b>2016</b> , 828, 26	4.7	123
16	A SPECTROSCOPICALLY CONFIRMED DOUBLE SOURCE PLANE LENS SYSTEM IN THE HYPER SUPRIME-CAM SUBARU STRATEGIC PROGRAM. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L19	7.9	12
15	ULTRA-DEEP K S -BAND IMAGING OF THE HUBBLE FRONTIER FIELDS. <i>Astrophysical Journal, Supplement Series</i> , <b>2016</b> , 226, 6	8	28
14	A SYSTEMATIC SURVEY OF PROTOCLUSTERS AT $z \sim 3$ IN THE CFHTLS DEEP FIELDS. <i>Astrophysical Journal</i> , <b>2016</b> , 826, 114	4.7	47
13	PHOTOMETRIC REDSHIFT WITH BAYESIAN PRIORS ON PHYSICAL PROPERTIES OF GALAXIES. <i>Astrophysical Journal</i> , <b>2015</b> , 801, 20	4.7	78
12	A FIRST SITE OF GALAXY CLUSTER FORMATION: COMPLETE SPECTROSCOPY OF A PROTOCLUSTER AT $z = 6.01$ . <i>Astrophysical Journal</i> , <b>2014</b> , 792, 15	4.7	32
11	An updated analytic model for attenuation by the intergalactic medium. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 442, 1805-1820	4.3	178
10	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , <b>2013</b> , 145, 10	4.9	1280
9	Massive starburst galaxies in a $z = 2.16$ proto-cluster unveiled by panoramic H $\alpha$ mapping. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 428, 1551-1564	4.3	68
8	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , <b>2011</b> , 142, 72	4.9	1438

7	Direct observational evidence for a large transient galaxy population in groups at 0.85 Monthly Notices of the Royal Astronomical Society, <b>2011</b> , 412, 2303-2317	4.3	83
6	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , <b>2011</b> , 193, 29	8	1063
5	PHOTOMETRIC RESPONSE FUNCTIONS OF THE SLOAN DIGITAL SKY SURVEY IMAGER. <i>Astronomical Journal</i> , <b>2010</b> , 139, 1628-1648	4.9	259
4	MASS AND ENVIRONMENT AS DRIVERS OF GALAXY EVOLUTION IN SDSS AND zCOSMOS AND THE ORIGIN OF THE SCHECHTER FUNCTION. <i>Astrophysical Journal</i> , <b>2010</b> , 721, 193-221	4.7	1214
3	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal, Supplement Series</i> , <b>2009</b> , 182, 543-558	8	3780
2	THE zCOSMOS 10k-BRIGHT SPECTROSCOPIC SAMPLE. <i>Astrophysical Journal, Supplement Series</i> , <b>2009</b> , 184, 218-229	8	428
1	The Environmental Dependence of Galaxy Properties in the Local Universe: Dependences on Luminosity, Local Density, and System Richness. <i>Astronomical Journal</i> , <b>2004</b> , 128, 2677-2695	4.9	173