

# Masaru Kajisawa

## List of Publications by Year in descending order

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66  
papers

2,626  
citations

147801

31  
h-index

189892

50  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2363  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Subaru/XMM-Newton Deep Survey (SXDS). II. Optical Imaging and Photometric Catalogs1. Astrophysical Journal, Supplement Series, 2008, 176, 1-18.	7.7	267
2	THE FMOS-COSMOS SURVEY OF STAR-FORMING GALAXIES AT $z \sim 1.6$ . I. $H\alpha$ -BASED STAR FORMATION RATES AND DUST EXTINCTION. Astrophysical Journal Letters, 2013, 777, L8.	8.3	178
3	The first appearance of the red sequence of galaxies in proto-clusters at $z \sim 3$ . Monthly Notices of the Royal Astronomical Society, 2007, 377, 1717-1725.	4.4	151
4	Gas filaments of the cosmic web located around active galaxies in a protocluster. Science, 2019, 366, 97-100.	12.6	100
5	UV-TO-FIR ANALYSIS OF SPITZER/IRAC SOURCES IN THE EXTENDED GROTH STRIP. I. MULTI-WAVELENGTH PHOTOMETRY AND SPECTRAL ENERGY DISTRIBUTIONS. Astrophysical Journal, Supplement Series, 2011, 193, 13.	7.7	98
6	UV-TO-FIR ANALYSIS OF SPITZER/IRAC SOURCES IN THE EXTENDED GROTH STRIP. II. PHOTOMETRIC REDSHIFTS, STELLAR MASSES, AND STAR FORMATION RATES. Astrophysical Journal, Supplement Series, 2011, 193, 30.	7.7	97
7	MOIRCS DEEP SURVEY. IV. EVOLUTION OF GALAXY STELLAR MASS FUNCTION BACK TO $z \sim 3$ . Astrophysical Journal, 2009, 702, 1393-1412.	4.5	95
8	MOIRCS DEEP SURVEY. VI. NEAR-INFRARED SPECTROSCOPY OF $K$ -SELECTED STAR-FORMING GALAXIES AT $z \sim 2$ . Astrophysical Journal, 2010, 718, 112-132.	4.5	74
9	SUBARU WEAK-LENSING SURVEY OF DARK MATTER SUBHALOS IN THE COMA CLUSTER: SUBHALO MASS FUNCTION AND STATISTICAL PROPERTIES. Astrophysical Journal, 2014, 784, 90.	4.5	72
10	Discovery of the galaxy counterpart of HDF 850.1, the brightest submillimetre source in the Hubble Deep Field. Monthly Notices of the Royal Astronomical Society, 2004, 350, 769-784.	4.4	70
11	The Subaru COSMOS 20: Subaru optical imaging of the HST COSMOS field with 20Å filters. Publication of the Astronomical Society of Japan, 2015, 67, .	2.5	65
12	Discovery of an Excess of H Emitters around 4C 23.56 at $z = 2.48$ . Publication of the Astronomical Society of Japan, 2011, 63, S415-S435.	2.5	61
13	The Number Density of Old Passively Evolving Galaxies at $z \sim 1$ in the Subaru/XMM-Newton Deep Survey Field. Astrophysical Journal, 2005, 634, 861-878.	4.5	56
14	MOIRCS DEEP SURVEY. VIII. EVOLUTION OF STAR FORMATION ACTIVITY AS A FUNCTION OF STELLAR MASS IN GALAXIES SINCE $z \sim 3$ . Astrophysical Journal, 2010, 723, 129-145.	4.5	55
15	Protoclusters with evolved populations around radio galaxies at $z \sim 2.5$ . Monthly Notices of the Royal Astronomical Society, 2006, 371, 577-582.	4.4	54
16	MOIRCS Deep Survey. IX. Deep Near-Infrared Imaging Data and Source Catalog. Publication of the Astronomical Society of Japan, 2011, 63, S379-S401.	2.5	54
17	THE EVOLUTION OF GALAXY SIZE AND MORPHOLOGY AT $z \sim 0.5-3.0$ IN THE GOODS-N REGION WITH HUBBLE SPACE TELESCOPE/WFC3 DATA. Astrophysical Journal, 2014, 785, 18.	4.5	52
18	THE FORMATION OF THE MASSIVE GALAXIES IN THE SSA22 $z = 3.1$ PROTOCLUSTER. Astrophysical Journal, 2013, 778, 170.	4.5	49

#	ARTICLE	IF	CITATIONS
19	CHORUS. II. Subaru/HSC Determination of the Ly $\alpha$ Luminosity Function at $z = 7.0$ : Constraints on Cosmic Reionization Model Parameter. <i>Astrophysical Journal</i> , 2018, 867, 46.	4.5	44
20	NIR SPECTROSCOPIC OBSERVATION OF MASSIVE GALAXIES IN THE PROTOCLUSTER AT $z = 3.09$ . <i>Astrophysical Journal</i> , 2015, 799, 38.	4.5	42
21	MOIRCS Deep Survey. I: DRG Number Counts. <i>Publication of the Astronomical Society of Japan</i> , 2006, 58, 951-956.	2.5	41
22	A deficit of faint red galaxies in the possible large-scale structures around the RDCS J1252.9-2927 cluster at $z = 1.24$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 1206-1214.	4.4	39
23	EVOLUTION OF THE FRACTION OF CLUMPY GALAXIES AT $0.2 < z < 1.0$ IN THE COSMOS FIELD. <i>Astrophysical Journal</i> , 2014, 786, 15.	4.5	39
24	SUBMILLIMETER ARRAY IDENTIFICATION OF THE MILLIMETER-SELECTED GALAXY SSA22-AzTEC1: A PROTOQUASAR IN A PROTOCLUSTER?. <i>Astrophysical Journal</i> , 2010, 724, 1270-1282.	4.5	36
25	ASSEMBLY OF MASSIVE GALAXIES IN A HIGH- $z$ PROTOCLUSTER. <i>Astrophysical Journal</i> , 2012, 750, 116.	4.5	36
26	A universal stellar mass-size relation of galaxies in the GOODS-North region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 1014-1027.	4.4	36
27	FROM DIVERSITY TO DICHOTOMY, AND QUENCHING: MILKY-WAY-LIKE AND MASSIVE-GALAXY PROGENITORS AT $0.5 < z < 3.0$ . <i>Astrophysical Journal</i> , 2015, 805, 34.	4.5	36
28	When Did the Hubble Sequence Appear?: Morphology, Color, and Number-Density Evolution of the Galaxies in the Hubble Deep Field North. <i>Publication of the Astronomical Society of Japan</i> , 2001, 53, 833-852.	2.5	35
29	Galaxy Population in a Cluster of Galaxies around the Radio Galaxy 3C 324 at $z = 1.2$ . <i>Publication of the Astronomical Society of Japan</i> , 2001, 53, 1139-1152.	2.5	34
30	CONSTRAINTS ON THE FAINT END OF THE QUASAR LUMINOSITY FUNCTION AT $z \sim 5$ IN THE COSMOS FIELD. <i>Astrophysical Journal</i> , 2012, 756, 160.	4.5	34
31	A Radio-to-mm Census of Star-forming Galaxies in Protocluster 4C23.56 at $z = 2.5$ : Gas Mass and Its Fraction Revealed with ALMA. <i>Astrophysical Journal</i> , 2017, 842, 55.	4.5	34
32	CLUSTERING OF INFRARED-BRIGHT DUST-OBSCURED GALAXIES REVEALED BY THE HYPER SUPRIME-CAM AND WISE. <i>Astrophysical Journal</i> , 2017, 835, 36.	4.5	28
33	Subaru/MOIRCS Near-Infrared Imaging in the Proto-Cluster Region at $z = 3.1$ . <i>Publication of the Astronomical Society of Japan</i> , 2008, 60, 683-693.	2.5	27
34	Balmer Break Galaxy Candidates at $z \sim 6$ : A Potential View on the Star Formation Activity at $z \sim 3$ . <i>Astrophysical Journal</i> , 2020, 889, 137.	4.5	27
35	An extremely dense group of massive galaxies at the centre of the protocluster at $z = 3.09$ in the SSA22 field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3333-3344.	4.4	25
36	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.	7.7	25

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37	Color-Magnitude Sequence in the Clusters at $z \approx 1.2$ near the Radio Galaxy 3C 324. Publication of the Astronomical Society of Japan, 2000, 52, 61-72.	2.5	24
38	A Massive Quiescent Galaxy Confirmed in a Protocluster at $z = 3.09$ . Astrophysical Journal, 2021, 919, 6.	4.5	24
39	MOIRCS Deep Survey. II. Clustering Properties of K-Band Selected Galaxies in GOODS-North Region. Publication of the Astronomical Society of Japan, 2007, 59, 1081-1094.	2.5	23
40	MOIRCS DEEP SURVEY. III. ACTIVE GALACTIC NUCLEI IN MASSIVE GALAXIES AT $z = 2-4$ . Astrophysical Journal, 2009, 699, 1354-1364.	4.5	23
41	Witnessing the Hierarchical Assembly of the Brightest Cluster Galaxy in a Cluster at [CLC] $z = 1.26$ . Astrophysical Journal, 2002, 577, L89-L92.	4.5	20
42	MORPHOLOGICAL PROPERTIES OF Ly $\alpha$ EMITTERS AT REDSHIFT 4.86 IN THE COSMOS FIELD: CLUMPY STAR FORMATION OR MERGER?*. Astrophysical Journal, 2016, 819, 25.	4.5	18
43	MOIRCS Deep Survey. X. Evolution of Quiescent Galaxies as a Function of Stellar Mass at $0.5 < z < 2.5$ . Publication of the Astronomical Society of Japan, 2011, 63, S403-S414.	2.5	17
44	A Hyper Extremely Red Object in the Field near 53W002. Astrophysical Journal, 2002, 578, L19-L22.	4.5	16
45	Optical Properties of Infrared-bright Dust-obscured Galaxies Viewed with Subaru Hyper Suprime-Cam. Astrophysical Journal, 2019, 876, 132.	4.5	15
46	THE ROLE OF GALAXY INTERACTION IN ENVIRONMENTAL DEPENDENCE OF THE STAR FORMATION ACTIVITY AT $z \approx 1.2$ . Astrophysical Journal, 2012, 747, 42.	4.5	14
47	DISCOVERY OF MASSIVE, MOSTLY STAR FORMATION QUENCHED GALAXIES WITH EXTREMELY LARGE Ly $\alpha$ EQUIVALENT WIDTHS AT $z \approx 3$ . Astrophysical Journal Letters, 2015, 809, L7.	8.3	14
48	The FMOS-COSMOS Survey of Star-forming Galaxies at $z \approx 1.6$ . V: Properties of Dark Matter Halos Containing H $\alpha$ Emitting Galaxies. Astrophysical Journal, 2017, 843, 138.	4.5	14
49	Bimodal morphologies of massive galaxies at the core of a protocluster at $z = 3.09$ and the strong size growth of a brightest cluster galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2235-2250.	4.4	14
50	Subaru Observations for the K-Band Luminosity Distribution of Galaxies in Clusters near to 3C 324 at $z \approx 1.2$ . Publication of the Astronomical Society of Japan, 2000, 52, 53-60.	2.5	12
51	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). I. The Optical Counterparts of FIRST Radio Sources. Astrophysical Journal, 2018, 866, 140.	4.5	12
52	Evolution of the Dependence of Rest-frame Color and Morphology Distribution on Stellar Mass for Galaxies in the Hubble Deep Field-North. Astrophysical Journal, 2005, 618, 91-107.	4.5	11
53	Mass-dependent Color Evolution of Field Galaxies back to $z \approx 3$ over the Wide Range of Stellar Mass. Astrophysical Journal, 2006, 650, 12-17.	4.5	11
54	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). III. Discovery of a $z \approx 4.72$ Radio Galaxy with the Lyman Break Technique. Astronomical Journal, 2020, 160, 60.	4.7	11

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55	A Radio-to-millimeter Census of Star-forming Galaxies in Protocluster 4CÂ23.56 at $z=2.5$ : Global and Local Gas Kinematics. <i>Astrophysical Journal</i> , 2019, 883, 92.	4.5	8
56	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.	4.5	8
57	Subaru Deep Near-Infrared Imaging of the Field of a Possible Proto-Cluster Near the Radio Galaxy 53W002 at $z=2.4$ . <i>Publication of the Astronomical Society of Japan</i> , 2001, 53, 1119-1131.	2.5	7
58	MOIRCS Deep Survey. VII. NIR Morphologies of Star-Forming Galaxies at Redshift $z < 1$ . <i>Publication of the Astronomical Society of Japan</i> , 2011, 63, S363-S377.	2.5	7
59	DUST HEATING BY LOW-MASS STARS IN MASSIVE GALAXIES AT $z < 1$ . <i>Astrophysical Journal</i> , 2015, 801, 134.	4.5	7
60	An Optically Faint Quasar Survey at $z \sim 5$ in the CFHTLS Wide Field: Estimates of the Black Hole Masses and Eddington Ratios. <i>Astrophysical Journal</i> , 2017, 846, 57.	4.5	6
61	MOIRCS DEEP SURVEY. V. A UNIVERSAL RELATION FOR STELLAR MASS AND SURFACE BRIGHTNESS OF GALAXIES. <i>Astrophysical Journal</i> , 2010, 709, 741-748.	4.5	5
62	Evolution of the Three-dimensional Shape of Passively Evolving and Star-forming Galaxies at $z < 1$ . <i>Astrophysical Journal</i> , 2019, 885, 81.	4.5	5
63	A Wide and Deep Exploration of Radio Galaxies with Subaru HSC (WERGS). VI. Distant Filamentary Structures Pointed Out by High- $z$ Radio Galaxies at $z \sim 4$ . <i>Astrophysical Journal</i> , 2022, 926, 76.	4.5	5
64	A Search for Massive Galaxy Population in a Protocluster of LAEs at $z = 2.39$ near the Radio Galaxy 53W002. <i>Astrophysical Journal</i> , 2022, 930, 102.	4.5	4
65	ENVIRONMENTAL EFFECTS ON STAR FORMATION ACTIVITY AT $z \sim 0.9$ IN THE COSMOS FIELD. <i>Astrophysical Journal</i> , 2013, 768, 51.	4.5	3
66	Color and Morphology of Galaxies in the Region of the 3C 324 Clusters at $z \sim 1.2$ . <i>Publication of the Astronomical Society of Japan</i> , 1999, 51, 719-724.	2.5	2