Masafumi Yagi

List of Publications by Year
in descending order

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96	4,572	117625	98798
papers	citations	34 h-index	67 g-index

98	98	98	3596
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Subaru Prime Focus Camera â€" Suprime-Cam. Publication of the Astronomical Society of Japan, 2002, 54, 833-853.	2.5	602
2	Subaru Deep Survey. V. A Census of Lyman Break Galaxies atzâ€‰â‰ƒâ€‰4 and 5 in the Subaru Deep Fields: Photometric Properties. Astrophysical Journal, 2004, 611, 660-684.	4.5	378
3	APPROXIMATELY A THOUSAND ULTRA-DIFFUSE GALAXIES IN THE COMA CLUSTER. Astrophysical Journal Letters, 2015, 807, L2.	8.3	232
4	Subaru Deep Survey. II. Luminosity Functions and Clustering Properties of LyÎ± Emitters atzâ€‰=â€‰4.86 in the Subaru Deep Field. Astrophysical Journal, 2003, 582, 60-68.	4.5	224
5	The Discovery of Two Lyman Î± Emitters beyond Redshift 6 in the Subaru Deep Field,. Publication of the Astronomical Society of Japan, 2003, 55, L17-L21.	2.5	171
6	Subaru Deep Survey. VI. A Census of Lyman Break Galaxies atzâ€‰â‰ƒâ€‰4 and 5 in the Subaru Deep Fields: Clustering Properties. Astrophysical Journal, 2004, 611, 685-702.	4.5	171
7	A DOZEN NEW GALAXIES CAUGHT IN THE ACT: GAS STRIPPING AND EXTENDED EMISSION LINE REGIONS IN THE COMA CLUSTER. Astronomical Journal, 2010, 140, 1814-1829.	4.7	142
8	The H I content of star-forming galaxies at z= 0.24. Monthly Notices of the Royal Astronomical Society, 2007, 376, 1357-1366.	4.4	140
9	CATALOG OF ULTRA-DIFFUSE GALAXIES IN THE COMA CLUSTERS FROM SUBARU IMAGING DATA*. Astrophysical Journal, Supplement Series, 2016, 225, 11.	7.7	140
10	Current Performance and On-Going Improvements of the 8.2 m Subaru Telescope. Publication of the Astronomical Society of Japan, 2004, 56, 381-397.	2.5	135
11	Optical Identification of theASCALarge Sky Survey. Astrophysical Journal, 2000, 532, 700-727.	4.5	119
12	Cosmic Shear Statistics in the Suprimeâ€Cam 2.1 Square Degree Field: Constraints on Î©mand Ïƒ8. Astrophysical Journal, 2003, 597, 98-110.	4.5	99
13	Strange Filamentary Structures (â€œFireballsâ€) around a Merger Galaxy in the Coma Cluster of Galaxies. Astrophysical Journal, 2008, 688, 918-930.	4.5	97
14	The First Light of the Subaru Telescope: A New Infrared Image of the Orion Nebula. Publication of the Astronomical Society of Japan, 2000, 52, 1-8.	2.5	90
15	Discovery of a Very Extended Emissionâ€Line Region around the Seyfert 2 Galaxy NGC 4388. Astrophysical Journal, 2002, 567, 118-129.	4.5	90
16	The Remarkable 60â€‰xâ€‰2 kpc Optical Filament Associated with a Poststarburst Galaxy in the Coma Cluster. Astrophysical Journal, 2007, 660, 1209-1214.	4.5	83
17	The HÎ± Luminosity Function and Star Formation Rate at [CLC][ITAL]z[/ITAL][/CLC] â‰ˆ 0.24 Based on Subaru Deep Imaging Data. Astrophysical Journal, 2003, 586, L115-L118.	4.5	75
18	Clustering Properties of Galaxies at [CLC][ITAL]z[/ITAL][/CLC] â¼ 4 in the Subaru/[ITAL]XMM[/ITAL] Deep Survey Field. Astrophysical Journal, 2001, 558, L83-L86.	4.5	72

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19	Molecular Gas Dominated 50 kpc Ram Pressure Stripped Tail of the Coma Galaxy D100[*]. Astrophysical Journal, 2017, 839, 114.	4.5	68
20	Searching for Dark Matter Halos in the Suprime-Cam 2 Square Degree Field. Astrophysical Journal, 2002, 580, L97-L100.	4.5	65
21	Morphological Butcherâ€“Oemler Effect in the SDSS â€œCut and Enhanceâ€•Galaxy Cluster Catalog. Publication of the Astronomical Society of Japan, 2003, 55, 739-755.	2.5	61
22	Two New Calcium-rich Gap Transients in Group and Cluster Environments. Astrophysical Journal, 2017, 836, 60.	4.5	60
23	Subaru Deep Spectroscopy of the Very Extended Emission-Line Region of NGC 4388: Ram Pressure Stripped Gas Ionized by Nuclear Radiation. Astronomical Journal, 2004, 127, 90-104.	4.7	51
24	Spectacular Hubble Space Telescope Observations of the Coma Galaxy D100 and Star Formation in Its Ram Pressureâ€“stripped Tail. Astrophysical Journal, 2019, 870, 63.	4.5	51
25	A Search for [CLC]Ly[/CLC]Î± Emitters at Redshift 3.7. Astronomical Journal, 2003, 125, 13-31.	4.7	50
26	Subaru Deep Survey. III. Evolution of Rest-Frame Luminosity Functions Based on the Photometric Redshifts for a [ITAL]K[/ITAL]â€²-Bandâ€“Selected Galaxy Sample. Astronomical Journal, 2003, 125, 53-65.	4.7	49
27	Morphological Classification of Galaxies Using Photometric Parameters: The Concentration Index versus the Coarseness Parameter. Astronomical Journal, 2005, 130, 1545-1557.	4.7	46
28	KINEMATICS AND EXCITATION OF THE RAM PRESSURE STRIPPED IONIZED GAS FILAMENTS IN THE COMA CLUSTER OF GALAXIES. Astrophysical Journal, 2012, 749, 43.	4.5	43
29	THE UNIVERSAL INITIAL MASS FUNCTION IN THE EXTENDED ULTRAVIOLET DISK OF M83. Astrophysical Journal, 2012, 749, 20.	4.5	42
30	Evolution of the colour-radius and morphology-radius relations in SDSS galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2004, 348, 515-518.	4.4	41
31	Discovery of a large-scale clumpy structure around the Lynx supercluster at z Â 1.27. Monthly Notices of the Royal Astronomical Society, 2005, 357, 1357-1362.	4.4	38
32	Extended Ionized Gas Clouds in theÂAbell 1367 Cluster^{â^—}. Astrophysical Journal, 2017, 839, 65.	4.5	38
33	The ram pressure stripped radio tails of galaxies in the Coma cluster. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4654-4673.	4.4	37
34	Evolution of Elliptical Galaxies at $z gtrsim 1$ Revealed from a Large, Multicolor Sample of Extremely Red Objects. Publication of the Astronomical Society of Japan, 2003, 55, 1079-1103.	2.5	36
35	Galaxy Population in a Cluster of Galaxies around the Radio Galaxy 3C 324 at $z=1.2$. Publication of the Astronomical Society of Japan, 2001, 53, 1139-1152.	2.5	34
36	Discovery of Latent Star Formation in the Extended H i Gas around the Local Group Dwarf Irregular Galaxy NGC 6822. Astrophysical Journal, 2003, 590, L17-L20.	4.5	31

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37	Candidates for Intracluster Planetary Nebulae in the Virgo Cluster Based on the Suprime-Cam Narrow-Band Imaging in [O III] and $mathrm{H}alpha$. Publication of the Astronomical Society of Japan, 2002, 54, 883-889.	2.5	30
38	Evidence of Absence of Tidal Features in the Outskirts of Ultra Diffuse Galaxies in the Coma Cluster. Astrophysical Journal, 2017, 851, 27.	4.5	30
39	E+A and companion galaxies - I. A catalogue and statistics. Monthly Notices of the Royal Astronomical Society, 2008, 390, 383-398.	4.4	27
40	MULTI-WAVELENGTH STUDIES OF SPECTACULAR RAM-PRESSURE STRIPPING OF A GALAXY. II. STAR FORMATION IN THE TAIL. Astrophysical Journal, 2013, 778, 91.	4.5	27
41	The dust environment of comet 67P/Churyumovâ€“Gerasimenko: results from Monte Carlo dust tail modelling applied to a large ground-based observation data set. Monthly Notices of the Royal Astronomical Society, 2017, 469, S186-S194.	4.4	26
42	MUSE sneaks a peek at extreme ram-pressure stripping events â€“ IV. Hydrodynamic and gravitational interactions in the Blue Infalling Group. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2212-2228.	4.4	24
43	LyÎ± view around a z = 2.84 hyperluminous QSO at a node of the cosmic web. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	23
44	A universal correlation between warm and hot gas in the stripped tails of cluster galaxies. Nature Astronomy, 2022, 6, 270-274.	10.1	23
45	The Morphology Dependence of Luminosity Segregation in the Coma Cluster. Astrophysical Journal, 1998, 500, 750-762.	4.5	21
46	THE GALAXY LUMINOSITY FUNCTIONS DOWN TOM_R= â€“10 IN THE COMA CLUSTER. Astronomical Journal, 2012, 144, 40.	4.7	20
47	Superwind-Driven Intense H2 Emission in NGC 6240. Publication of the Astronomical Society of Japan, 2000, 52, 563-576.	2.5	19
48	The HÎ± Luminosity Function of the Galaxy Cluster A521 atz= 0.25. Astrophysical Journal, 2004, 601, 805-812.	4.5	19
49	Transforming gas-rich low-mass disky galaxies into ultra-diffuse galaxies by ram pressure. Nature Astronomy, 2021, 5, 1308-1318.	10.1	19
50	GIANT HÎ± NEBULA SURROUNDING THE STARBURST MERGER NGCÂ6240*. Astrophysical Journal, 2016, 820, 48.	4.5	17
51	Subaru First-Light Deep Photometry of Galaxies in A 851 Field. Publication of the Astronomical Society of Japan, 2000, 52, 9-23.	2.5	16
52	Interacting E+A System SDSS J161330.18+510335.5. I. Spatially Extended Poststarburst Signatures and Age Gradient. Astrophysical Journal, 2006, 642, 152-157.	4.5	16
53	Wide-Field Survey around Local Group Dwarf Spheroidal Galaxy Leo II: Spatial Distribution of Stellar Content. Astronomical Journal, 2007, 134, 835-845.	4.7	16
54	Integrated field spectroscopy of E+A (post-starburst) galaxies with the Kyoto tridimensional spectrograph II. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1355-1365.	4.4	16

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55	Re-Calibration of SDF/SXDS Photometric Catalogs of Suprime-Cam with SDSS Data Release 8. Publication of the Astronomical Society of Japan, 2013, 65, .	2.5	16
56	The Spatial Distribution of Poststarburst Signatures in E+A Galaxies. Astronomical Journal, 2006, 131, 2050-2055.	4.7	15
57	Differences in the Luminosity Functions of Faint Early-Type and Faint Late-Type Galaxies in Four Nearby Clusters of Galaxies. Astrophysical Journal, 1995, 452, .	4.5	14
58	New Focal Plane Array Controller for the Instruments of the Subaru Telescope. Publications of the Astronomical Society of the Pacific, 2006, 118, 478-488.	3.1	14
59	DISCOVERY OF NINE EXTENDED IONIZED GAS CLOUDS IN Az= 0.4 CLUSTER. Astronomical Journal, 2015, 149, 36.	4.7	14
60	A merger shock in Abell 1367. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 486, L36-L40.	3.3	14
61	Suprime-Cam: Subaru prime focus camera. , 2003, , .		13
62	An Hâ€‰Î±/X-ray orphan cloud as a signpost of intracluster medium clumping. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4702-4716.	4.4	13
63	Spatially resolved medium resolution spectroscopy of an interacting E+A (post-starburst) system with the Subaru Telescope^{â˜…}. Monthly Notices of the Royal Astronomical Society, 2008, 391, 700-710.	4.4	12
64	Optical Identification of the Hardest Xâ€Ray Source in theASCALarge Sky Survey. Astrophysical Journal, 1998, 500, 173-180.	4.5	11
65	First Subaru Observations of Sub-km Main-Belt Asteroids. Publication of the Astronomical Society of Japan, 2001, 53, L13-L16.	2.5	11
66	MULTI-WAVELENGTH STUDIES OF SPECTACULAR RAM PRESSURE STRIPPING OF A GALAXY: DISCOVERY OF AN X-RAY ABSORPTION FEATURE. Astrophysical Journal Letters, 2013, 777, L36.	8.3	11
67	The Galaxy Luminosity Functions down toM~ -10 in the Hydra I Cluster. Astronomical Journal, 2007, 134, 56-63.	4.7	10
68	Morphological evidence for a past minor merger in the Seyfert galaxy NGC 1068. Publication of the Astronomical Society of Japan, 2017, 69, .	2.5	10
69	High-Resolution Images of the Ring Nebula Taken with the Subaru Telescope. Publication of the Astronomical Society of Japan, 2000, 52, 93-98.	2.5	9
70	Crosstalk Analysis of Suprime-Cam FDCCDs Using Cosmic Rays in Dark Frames. Publications of the Astronomical Society of the Pacific, 2012, 124, 1347-1359.	3.1	9
71	DISCOVERY OF NEW DWARF GALAXY NEAR THE ISOLATED SPIRAL GALAXY NGC 6503. Astrophysical Journal Letters, 2015, 802, L24.	8.3	8
72	Spin Parity of Spiral Galaxies. III. Dipole Analysis of the Distribution of SDSS Spirals with 3D Random Walk Simulations. Astrophysical Journal, 2021, 907, 123.	4.5	8

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73	MUSE sneaks a peek at extreme ram-pressure stripping events â€“ V. Towards a complete view of the galaxy cluster A1367. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5180-5197.	4.4	8
74	Infrared Imaging of the Gravitational Lens PG 1115+080 with the Subaru Telescope. Publication of the Astronomical Society of Japan, 2000, 52, 25-32.	2.5	6
75	The BIG X-ray tail. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 508, L69-L73.	3.3	6
76	Retrieving Bulge and Disk Parameters and Asymptotic Magnitudes from the Growth Curves of Galaxies. Publications of the Astronomical Society of the Pacific, 1999, 111, 31-44.	3.1	5
77	<title>STARS (Subaru Telescope archive system) for the effective return from Subaru Telescope</title>. , 2000, 4010, 181.		5
78	Deep-Imaging Observations of a Candidate of an Absorbed QSO atz= 0.653, AX J131831+3341. Publication of the Astronomical Society of Japan, 2000, 52, 577-584.	2.5	4
79	Entry Dispersion Analysis for the HAYABUSA Spacecraft using Ground-Based Optical Observation. Publication of the Astronomical Society of Japan, 2011, 63, 979-985.	2.5	4
80	CANDIDATES OF HÎ± EMITTING REGIONS IN THE MAGELLANIC STREAM IV CLOUD. Astrophysical Journal Letters, 2012, 749, L2.	8.3	4
81	DASH--distributed analysis system hierarchy. , 2002, , .		3
82	Remote observing capability with Subaru Telescope. , 2004, , .		3
83	Petabyte data hierarchy supporting real-time feedback to the observation by Subaru Telescope: STN-II. , 2002, 4844, 188.		2
84	<title>Distributed storage and control system of Subaru Telescope on the high-speed wide-area connection</title>. , 2002, 4845, 8.		2
85	Distributed data archive systems for Subaru Telescope. , 2002, 4844, 242.		2
86	A KECK/LRIS SPATIALLY RESOLVED SPECTROSCOPIC STUDY OF A LINER GALAXY SDSS J091628.05+420818.7. Astrophysical Journal, 2012, 753, 10.	4.5	2
87	INITIAL SPEED OF KNOTS IN THE PLASMA TAIL OF C/2013 R1 (LOVEJOY). Astronomical Journal, 2015, 149, 97.	4.7	2
88	The â^'12 mag Dip in the Galaxy Luminosity Function of Hickson Compact Groups*. Astronomical Journal, 2020, 160, 87.	4.7	2
89	Non-star-forming molecular gas in the Abell 1367 intra-cluster multiphase orphan cloud. Astronomy and Astrophysics, 2022, 658, L5.	5.1	2
90	Development of a 7000 Ã— 4000 Pixel Mosaic CCD Camera. Symposium - International Astronomical Union, 1995, 167, 345-346.	0.1	1

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91	Subaru Quality Control Trinity progress report. , 2002, 4844, 537.		1
92	First light of UT 15-band dichroic-mirror camera. Proceedings of SPIE, 2008, , .	0.8	1
93	Subaru Telescope Network III (STN-III): more effective, more operation-oriented, and more inexpensive solutions for the observatory's needs. Proceedings of SPIE, 2008, , .	0.8	1
94	Search for molecular gas in XUV disk of M83. Proceedings of the International Astronomical Union, 2016, 11, 268-268.	0.0	1
95	<title>Prototype of distributed analysis software hierarchy for the Subaru Telescope</title>. , 1998, , .		0
96	Dark Memories of the Past: Discovery of Ultra-Diffuse Objects around NGC 1068. Proceedings of the International Astronomical Union, 2018, 14, 349-352.	0.0	0