Jarle Brinchmann

List of Publications by Year
in descending order

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119 papers	27,008 citations	31976 53 h-index	24982 109 g-index
120 all docs	120 docs citations	120 times ranked	9707 citing authors

#	Article	IF	Citations
1	Euclid preparation. Astronomy and Astrophysics, 2022, 657, A90.	5.1	10
2	The UV 2175Ã... attenuation bump and its correlation with PAH emission at z âˆ¼ 2. Monthly Notices of the Royal Astronomical Society, 2022, 514, 1886-1894.	4.4	10
3	Searching for light in the darkness: Bounds on ALP dark matter with the optical MUSE-faint survey. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136075.	4.1	37
4	The Tully-Fisher relation in dense groups at zâ€„âˆ¼â€„0.7 in the MAGIC survey. Astronomy and Astrophysics, 2021, 647, A152.	5.1	8
5	Optical emission lines in the most massive galaxies: Morphology, kinematics, and ionisation properties. Astronomy and Astrophysics, 2021, 649, A63.	5.1	5
6	A MUSE view of the asymmetric jet from HD 163296. Astronomy and Astrophysics, 2021, 650, L6.	5.1	7
7	Measuring the Average Molecular Gas Content of Star-forming Galaxies at z = 3â€“4. Astrophysical Journal, 2021, 916, 12.	4.5	10
8	MusE GAs FLOw and Wind (MEGAFLOW) VIII. Discovery of a Mg<scp>ii</scp> emission halo probed by a quasar sightline. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4294-4315.	4.4	35
9	A stellar census in globular clusters with MUSE. Astronomy and Astrophysics, 2021, 653, L8.	5.1	6
10	Characterizing the Protolunar Disk of the Accreting Companion GQ Lupi B*. Astronomical Journal, 2021, 162, 286.	4.7	11
11	The MUSE Atlas of Discs (MAD): Ionized gas kinematic maps and an application to diffuse ionized gas. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4089-4107.	4.4	24
12	MUSEQuBES: calibrating the redshifts of Lyâ€‰Î± emitters using stacked circumgalactic medium absorption profiles. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1013-1022.	4.4	44
13	A stellar census in globular clusters with MUSE. Astronomy and Astrophysics, 2020, 635, A114.	5.1	17
14	The MUSE-Faint survey. Astronomy and Astrophysics, 2020, 635, A107.	5.1	21
15	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2020, 635, A82.	5.1	50
16	LLAMA: TheM_{BH}â€“Ïƒ_{â†‘}relation of the most luminous local AGNs. Astronomy and Astrophysics, 2020, 634, A114.	5.1	33
17	Elevated ionizing photon production efficiency in faint high-equivalent-width Lyman-Î± emitters. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5120-5130.	4.4	45
18	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2020, 641, A118.	5.1	28

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19	Searching for proto-planets with MUSE. Astronomy and Astrophysics, 2020, 644, A149.	5.1	18
20	Reconstructing the Observed Ionizing Photon Production Efficiency at z âˆ¼ 2 Using Stellar Population Models. Astrophysical Journal, 2020, 889, 180.	4.5	14
21	Spatially resolved signature of quenching in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2347-2366.	4.4	7
22	A Giant LyÎ± Nebula and a Small-scale Clumpy Outflow in the System of the Exotic Quasar J0952+0114 Unveiled by MUSE^{â^—}. Astrophysical Journal, 2019, 880, 47.	4.5	15
23	Exploring Heâ€ IIâ€„Î»1640 emission line properties at z â^¼2â^¼4. Astronomy and Astrophysics, 2019, 624, A89.	5.1	43
24	ATLAS probe: Breakthrough science of galaxy evolution, cosmology, Milky Way, and the Solar System. Publications of the Astronomical Society of Australia, 2019, 36, .	3.4	10
25	The MUSE Atlas of Disks (MAD): resolving star formation rates and gas metallicities on <100â€‰pc scalesâ€. Monthly Notices of the Royal Astronomical Society, 2019, 484, 5009-5027.	4.4	80
26	Probing the ISM of He<scp>ii</scp>Î»1640 emitters at z = 2â€“4 via MUSE. Proceedings of the International Astronomical Union, 2019, 15, 235-239.	0.0	0
27	Discovery of an old nova remnant in the Galactic globular cluster M 22. Astronomy and Astrophysics, 2019, 626, A69.	5.1	14
28	A stellar census in globular clusters with MUSE: Binaries in NGC 3201. Astronomy and Astrophysics, 2019, 632, A3.	5.1	116
29	The ALMA Spectroscopic Survey in the HUDF: Nature and Physical Properties of Gas-mass Selected Galaxies Using MUSE Spectroscopy. Astrophysical Journal, 2019, 882, 140.	4.5	42
30	The MUSE-Wide survey: a measurement of the Lyâ€‰Î± emitting fraction among zÂ>Â3 galaxies. Monthly Notices of the Royal Astronomical Society, 2018, 473, 30-37.	4.4	32
31	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2018, 619, A27.	5.1	60
32	A detached stellar-mass black hole candidate in the globular cluster NGC 3201. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 475, L15-L19.	3.3	147
33	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2018, 617, A62.	5.1	30
34	MUSE Spectroscopic Identifications of Ultra-faint Emission Line Galaxies with M_{UV}Âˆ¼Âˆ’15[*]. Astrophysical Journal Letters, 2018, 865, L1.	8.3	34
35	First gas-phase metallicity gradients of 0.1 â‰² z â‰² 0.8 galaxies with MUSE. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4293-4316.	4.4	47
36	Dark Galaxy Candidates at Redshift âˆ¼3.5 Detected with MUSE*. Astrophysical Journal, 2018, 859, 53.	4.5	37

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37	SDSS-IV MaNGA: characterizing non-axisymmetric motions in galaxy velocity fields using the Radon transform. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2217-2235.	4.4	12
38	ATLAS probe for the study of galaxy evolution with 300,000,000 galaxy spectra. , 2018, , .		0
39	Metallicity calibrations of galaxies with low star formation rates: the influence of a stochastic IMF. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1612-1625.	4.4	11
40	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A1.	5.1	236
41	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A4.	5.1	48
42	The MUSE Hubble Ultra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A8.	5.1	167
43	The MUSEHubbleUltra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A7.	5.1	28
44	Mapping diffuse interstellar bands in the local ISM on small scales via MUSE 3D spectroscopy. Astronomy and Astrophysics, 2017, 607, A133.	5.1	7
45	Inferring gas-phase metallicity gradients of galaxies at the seeing limit: a forward modelling approach. Monthly Notices of the Royal Astronomical Society, 2017, 468, 2140-2163.	4.4	25
46	Galactic winds with MUSE: A direct detection of Feâ€‰ii* emission from a z = 1.29 galaxy. Astronomy and Astrophysics, 2017, 605, A118.	5.1	31
47	The MUSE-Wide survey: A first catalogue of 831 emission line galaxies. Astronomy and Astrophysics, 2017, 606, A12.	5.1	78
48	The MUSEHubbleUltra Deep Field Survey. Astronomy and Astrophysics, 2017, 608, A3.	5.1	29
49	MUSE crowded field 3D spectroscopy of over 12â€‰000 stars in the globular cluster NGC 6397. Astronomy and Astrophysics, 2016, 588, A148.	5.1	77
50	HIGHMASSâ€”HIGH H iÂMASS, H i-RICH GALAXIES AT ZÂâ¼Â0: COMBINED H iÂAND H₂ OBSERVATIONS. Astronomical Journal, 2016, 152, 225.	4.7	10
51	UBIQUITOUS GIANT LyÎ± NEBULAE AROUND THE BRIGHTEST QUASARS AT zÂâ¼Â3.5 REVEALED WITH MUSE^{â—}. Astrophysical Journal, 2016, 831, 39.	4.5	201
52	A young star-forming galaxy atz= 3.5 with an extended Lyman Î± halo seen with MUSE. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4191-4208.	4.4	70
53	A study of the kinematics of unusually H Iâ€rich galaxies. Astronomische Nachrichten, 2015, 336, 284-311.	1.2	4
54	UNVEILING THE MILKY WAY: A NEW TECHNIQUE FOR DETERMINING THE OPTICAL COLOR AND LUMINOSITY OF OUR GALAXY. Astrophysical Journal, 2015, 809, 96.	4.5	43

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55	A MUSE map of the central Orion Nebula (Mâ€‰42). Astronomy and Astrophysics, 2015, 582, A114.	5.1	60
56	THE EXTENDED He II Î» 4686-EMITTING REGION IN IZw 18 UNVEILED: CLUES FOR PECULIAR IONIZING SOURCES. Astrophysical Journal Letters, 2015, 801, L28.	8.3	77
57	Gas-phase metallicity profiles of the Bluedisk galaxies: Is metallicity in a local star formation regulated equilibrium?. Monthly Notices of the Royal Astronomical Society, 2015, 451, 210-235.	4.4	29
58	The MUSE 3D view of theHubbleDeep Field South. Astronomy and Astrophysics, 2015, 575, A75.	5.1	162
59	Towards DIB mapping in galaxies beyond 100 Mpc. Astronomy and Astrophysics, 2015, 576, L3.	5.1	12
60	HIghMassâ€”HIGH H I MASS, H I-RICH GALAXIES ATzâ‰ˆ 0 HIGH-RESOLUTION VLA IMAGING OF UGC 9037 AND UGC 12506. Astronomical Journal, 2014, 148, 69.	4.7	19
61	CHARTING THE EVOLUTION OF THE AGES AND METALLICITIES OF MASSIVE GALAXIES SINCEz= 0.7. Astrophysical Journal, 2014, 788, 72.	4.5	130
62	HIghMass-HIGH H I MASS, H I-RICH GALAXIES ATzâ‰ˆ 0 SAMPLE DEFINITION, OPTICAL AND HÎ± IMAGING, AND STAR FORMATION PROPERTIES. Astrophysical Journal, 2014, 793, 40.	4.5	36
63	A multiple dry merger at z = 0.18: witnessing the assembly of a massive elliptical galaxy. Monthly Notices of the Royal Astronomical Society, 2014, 443, 288-298.	4.4	2
64	A CRITICAL LOOK AT THE MASS-METALLICITY-STAR FORMATION RATE RELATION IN THE LOCAL UNIVERSE. I. AN IMPROVED ANALYSIS FRAMEWORK AND CONFOUNDING SYSTEMATICS. Astrophysical Journal, 2014, 797, 126.	4.5	101
65	The evolution of the ages and metallicities of massive galaxies since z = 0.7. Proceedings of the International Astronomical Union, 2014, 10, 126-129.	0.0	0
66	ACTIVE GALACTIC NUCLEI EMISSION LINE DIAGNOSTICS AND THE MASS-METALLICITY RELATION UP TO REDSHIFTzâ‰ˆ 2: THE IMPACT OF SELECTION EFFECTS AND EVOLUTION. Astrophysical Journal, 2014, 788, 88.	4.5	147
67	BULGELESS GALAXIES AT INTERMEDIATE REDSHIFT: SAMPLE SELECTION, COLOR PROPERTIES, AND THE EXISTENCE OF POWERFUL ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2014, 782, 22.	4.5	12
68	The galaxy population of the complex cluster system Abell 3921(Corrigendum). Astronomy and Astrophysics, 2014, 567, C1.	5.1	1
69	Estimating gas masses and dust-to-gas ratios from optical spectroscopy. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2112-2140.	4.4	56
70	The Bluedisks project, a study of unusually Hâ€‰i-rich galaxies â€“ I. Hâ€‰i sizes and morphology. Monthly Notices of the Royal Astronomical Society, 2013, 433, 270-294.	4.4	81
71	Are Wolf-Rayet Stars Able to Pollute the Interstellar Medium of Galaxies? Results from Integral Field Spectroscopy. Advances in Astronomy, 2013, 2013, 1-15.	1.1	11
72	The galaxy population of the complex cluster system Abell 3921. Astronomy and Astrophysics, 2013, 557, A62.	5.1	14

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73	GAS, STARS, AND STAR FORMATION IN ALFALFA DWARF GALAXIES. Astronomical Journal, 2012, 143, 133.	4.7	92
74	THE ARECIBO LEGACY FAST ALFA SURVEY: THE GALAXY POPULATION DETECTED BY ALFALFA. Astrophysical Journal, 2012, 756, 113.	4.5	226
75	THEGALEXARECIBO SDSS SURVEY. V. THE RELATION BETWEEN THE H I CONTENT OF GALAXIES AND METAL ENRICHMENT AT THEIR OUTSKIRTS. Astrophysical Journal, 2012, 745, 66.	4.5	93
76	The Balmer decrement of Sloan Digital Sky Survey galaxies. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1402-1412.	4.4	75
77	Relative merits of different types of rest-frame optical observations to constrain galaxy physical parameters. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2002-2024.	4.4	107
78	Strongly star forming galaxies in the local Universe with nebular Heâ€ƒ<scp>ii</scp>Î»4686 emission. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1043-1063.	4.4	152
79	Extragalactic Fields Optimized for Adaptive Optics. Publications of the Astronomical Society of the Pacific, 2011, 123, 348-365.	3.1	3
80	Optically faint radio sources: reborn AGN?. Proceedings of the International Astronomical Union, 2011, 7, 231-233.	0.0	1
81	Charting the evolution of the ages and metallicities of massive galaxies since z = 0.7. Proceedings of the International Astronomical Union, 2011, 7, 465-467.	0.0	0
82	REDSHIFT EVOLUTION OF THE GALAXY VELOCITY DISPERSION FUNCTION. Astrophysical Journal Letters, 2011, 737, L31.	8.3	75
83	Empirical determination of the shape of dust attenuation curves in star-forming galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1760-1786.	4.4	172
84	ON THE MASSES OF GALAXIES IN THE LOCAL UNIVERSE. Astrophysical Journal, 2010, 722, 1-19.	4.5	85
85	ON THE DEARTH OF COMPACT, MASSIVE, RED SEQUENCE GALAXIES IN THE LOCAL UNIVERSE. Astrophysical Journal, 2010, 720, 723-741.	4.5	142
86	The GALEX Arecibo SDSS Survey - II. The star formation efficiency of massive galaxies. Monthly Notices of the Royal Astronomical Society, 2010, 408, 919-934.	4.4	102
87	ABSORPTION-LINE PROBES OF THE PREVALENCE AND PROPERTIES OF OUTFLOWS IN PRESENT-DAY STAR-FORMING GALAXIES. Astronomical Journal, 2010, 140, 445-461.	4.7	163
88	THE LOPSIDEDNESS OF PRESENT-DAY GALAXIES: CONNECTIONS TO THE FORMATION OF STARS, THE CHEMICAL EVOLUTION OF GALAXIES, AND THE GROWTH OF BLACK HOLES. Astrophysical Journal, 2009, 691, 1005-1020.	4.5	68
89	SEGUE: A SPECTROSCOPIC SURVEY OF 240,000 STARS WITHg= 14-20. Astronomical Journal, 2009, 137, 4377-4399.	4.7	905
90	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	4,201

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91	Challenges in Stellar Population Studies. Proceedings of the International Astronomical Union, 2009, 5, 3-12.	0.0	0
92	New insights into the stellar content and physical conditions of star-forming galaxies at z = 2â€“3 from spectral modelling. Monthly Notices of the Royal Astronomical Society, 2008, 385, 769-782.	4.4	201
93	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	1,202
94	The Lopsidedness of Presentâ€Day Galaxies: Results from the Sloan Digital Sky Survey. Astrophysical Journal, 2008, 677, 186-200.	4.5	38
95	Metallicities and Physical Conditions in Starâ€forming Galaxies atzâ¼ 1.0â€“1.51. Astrophysical Journal, 2008, 678, 758-779.	4.5	154
96	The Fifth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2007, 172, 634-644.	7.7	615
97	UV Star Formation Rates in the Local Universe. Astrophysical Journal, Supplement Series, 2007, 173, 267-292.	7.7	1,344
98	Bursty stellar populations and obscured active galactic nuclei in galaxy bulges. Monthly Notices of the Royal Astronomical Society, 2007, 381, 543-572.	4.4	160
99	The Fourth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 162, 38-48.	7.7	948
100	The colours of elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2006, 366, 717-726.	4.4	44
101	Gas infall and stochastic star formation in galaxies in the local universe. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1394-1408.	4.4	91
102	Ages and metallicities of early-type galaxies in the Sloan Digital Sky Survey: new insight into the physical origin of the colour-magnitude and the Mg2-ÏƒV relations. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1106-1124.	4.4	313
103	Systematics of the Ultraviolet Rising Flux in a GALEX /SDSS Sample of Early-Type Galaxies. Astrophysical Journal, 2005, 619, L107-L110.	4.5	75
104	Dark matter in elliptical galaxies: prospects for WFOS/TMT. Proceedings of the International Astronomical Union, 2005, 1, 187-191.	0.0	0
105	The ages and metallicities of galaxies in the local universe. Monthly Notices of the Royal Astronomical Society, 2005, 362, 41-58.	4.4	894
106	The Relationship between Stellar and Halo Masses of Disk Galaxies at z = 0.2 â^' 1.2. Symposium - International Astronomical Union, 2004, 220, 399-404.	0.1	1
107	The Origin of the Massâ€Metallicity Relation: Insights from 53,000 Starâ€forming Galaxies in the Sloan Digital Sky Survey. Astrophysical Journal, 2004, 613, 898-913.	4.5	2,784
108	The environmental dependence of the relations between stellar mass, structure, star formation and nuclear activity in galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 353, 713-731.	4.4	1,054

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109	The Dependence on Environment of the Color-Magnitude Relation of Galaxies. Astrophysical Journal, 2004, 601, L29-L32.	4.5	372
110	Presentâ€Day Growth of Black Holes and Bulges: The Sloan Digital Sky Survey Perspective. Astrophysical Journal, 2004, 613, 109-118.	4.5	684
111	Stellar masses and star formation histories for 105galaxies from the Sloan Digital Sky Survey. Monthly Notices of the Royal Astronomical Society, 2003, 341, 33-53.	4.4	1,892
112	The host galaxies of active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 2003, 346, 1055-1077.	4.4	2,990
113	The resolved history of galaxy evolution. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 2711-2723.	3.4	0
114	The Mass Assembly and Star Formation Characteristics of Field Galaxies of Known Morphology. Astrophysical Journal, 2000, 536, L77-L80.	4.5	321
115	[ITAL]Hubble Space Telescope[/ITAL] Imaging of the CFRS and LDSS Redshift Surveys. III. Field Elliptical Galaxies at [FORMULA][F]0.2<z<1.0[/F][/FORMULA]. Astrophysical Journal, 1999, 525, 31-46.	4.5	106
116	Hubble Space TelescopeImaging of the CFRS and LDSS Redshift Surveys. I. Morphological Properties. Astrophysical Journal, 1998, 499, 112-133.	4.5	187
117	Hubble Space TelescopeImaging of the CFRS and LDSS Redshift Surveys. II. Structural Parameters and the Evolution of Disk Galaxies tozâˆ¼ 1. Astrophysical Journal, 1998, 500, 75-94.	4.5	212
118	A census of metals and baryons in stars in the local Universe. Monthly Notices of the Royal Astronomical Society, 0, 383, 1439-1458.	4.4	135
119	The GALEX Arecibo SDSS Survey - I. Gas fraction scaling relations of massive galaxies and first data release. Monthly Notices of the Royal Astronomical Society, 0, 403, 683-708.	4.4	355