

Matteo Fossati

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

3,750
citations

109137

35
h-index

128067

60
g-index

69
all docs

69
docs citations

69
times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	THE KMOS ^{3D} SURVEY: DESIGN, FIRST RESULTS, AND THE EVOLUTION OF GALAXY KINEMATICS FROM 0.7 \hat{z} 2.7. <i>Astrophysical Journal</i> , 2015, 799, 209.	1.6	406
2	EVIDENCE FOR WIDE-SPREAD ACTIVE GALACTIC NUCLEUS-DRIVEN OUTFLOWS IN THE MOST MASSIVE 1-2 STAR-FORMING GALAXIES. <i>Astrophysical Journal</i> , 2014, 796, 7.	1.6	184
3	Strongly baryon-dominated disk galaxies at the peak of galaxy formation ten billion years ago. <i>Nature</i> , 2017, 543, 397-401.	13.7	177
4	MUSE sneaks a peek at extreme ram-pressure stripping events I. A kinematic study of the archetypal galaxy ESO137 ⁰⁰¹ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 4335-4344.	1.6	157
5	The KMOS ^{3D} Survey: Demographics and Properties of Galactic Outflows at $\hat{z}=0.6$ – 2.7^* . <i>Astrophysical Journal</i> , 2019, 875, 21.	1.6	118
6	MUSE sneaks a peek at extreme ram-pressure stripping events II. The physical properties of the gas tail of ESO137 ⁰⁰¹ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 2028-2041.	1.6	112
7	THE EVOLUTION OF METALLICITY AND METALLICITY GRADIENTS FROM $z = 2.7$ TO 0.6 WITH KMOS ^{3D} . <i>Astrophysical Journal</i> , 2016, 827, 74.	1.6	109
8	THE ANGULAR MOMENTUM DISTRIBUTION AND BARYON CONTENT OF STAR-FORMING GALAXIES AT $\hat{z}=1$ – 3^* . <i>Astrophysical Journal</i> , 2016, 826, 214.	1.6	107
9	H ₁ imaging survey of HI selected galaxies from ALFALFA. <i>Astronomy and Astrophysics</i> , 2015, 580, A116.	2.1	104
10	Ram pressure stripping in high-density environments. <i>Astronomy and Astrophysics Review</i> , 2022, 30, .	9.1	102
11	Spectacular tails of ionized gas in the Virgo cluster galaxy NGC 4569. <i>Astronomy and Astrophysics</i> , 2016, 587, A68.	2.1	99
12	A CONSISTENT STUDY OF METALLICITY EVOLUTION AT 0.8 \hat{z} 2.6. <i>Astrophysical Journal Letters</i> , 2014, 789, L40.	3.0	96
13	Galaxy Environment in the 3D-HST Fields: Witnessing the Onset of Satellite Quenching at $\hat{z}=1$ – 2 . <i>Astrophysical Journal</i> , 2017, 835, 153.	1.6	88
14	Quenching of the star formation activity in cluster galaxies. <i>Astronomy and Astrophysics</i> , 2016, 596, A11.	2.1	84
15	The Evolution and Origin of Ionized Gas Velocity Dispersion from $\hat{z}=2.6$ to $\hat{z}=0.6$ with KMOS ^{3D} . <i>Astrophysical Journal</i> , 2019, 880, 48.	1.6	84
16	KMOS3D: DYNAMICAL CONSTRAINTS ON THE MASS BUDGET IN EARLY STAR-FORMING DISKS*. <i>Astrophysical Journal</i> , 2016, 831, 149.	1.6	83
17	The KMOS ^{3D} Survey: Data Release and Final Survey Paper*. <i>Astrophysical Journal</i> , 2019, 886, 124.	1.6	79
18	H ₁ imaging of the Herschel Reference Survey. <i>Astronomy and Astrophysics</i> , 2015, 579, A102.	2.1	77

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19	The Evolution of the Tully–Fisher Relation between $z \sim 2.3$ and $z \sim 0.9$ with KMOS ^{3D} . <i>Astrophysical Journal</i> , 2017, 842, 121.	1.6	73
20	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2018, 614, A56.	2.1	70
21	H ₃ : an H ₃ imaging survey of HI selected galaxies from ALFALFA. <i>Astronomy and Astrophysics</i> , 2013, 553, A89.	2.1	69
22	Falling Outer Rotation Curves of Star-forming Galaxies at $0.6 \lesssim z \lesssim 2.6$ Probed with KMOS ^{3D} and SINS/zC-SINF. <i>Astrophysical Journal</i> , 2017, 840, 92.	1.6	64
23	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2018, 614, A57.	2.1	63
24	The Regulation of Galaxy Growth along the Size–Mass Relation by Star Formation, as Traced by H ₃ in KMOS ^{3D} Galaxies at $0.7 \lesssim z \lesssim 2.7^*$. <i>Astrophysical Journal</i> , 2020, 892, 1.	1.6	54
25	65 kpc of ionized gas trailing behind NGC 4848 during its first crossing of the Coma cluster. <i>Astronomy and Astrophysics</i> , 2012, 544, A128.	2.1	48
26	Direct Detection of Black Hole-driven Turbulence in the Centers of Galaxy Clusters. <i>Astrophysical Journal Letters</i> , 2020, 889, L1.	3.0	48
27	MUSE Analysis of Gas around Galaxies (MAGG) – II: metal-enriched halo gas around $z \sim 1$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5022-5046.	1.6	47
28	H ₃ : an H ₃ imaging survey of HI selected galaxies from ALFALFA. <i>Astronomy and Astrophysics</i> , 2013, 553, A91.	2.1	44
29	KMOS ^{3D} Reveals Low-level Star Formation Activity in Massive Quiescent Galaxies at $0.7 \lesssim z \lesssim 2.7$. <i>Astrophysical Journal Letters</i> , 2017, 841, L6.	3.0	44
30	MUSE sneaks a peek at extreme ram-pressure events. <i>Astronomy and Astrophysics</i> , 2017, 606, A83.	2.1	43
31	H ₃ : an H ₃ imaging survey of HI selected galaxies from ALFALFA. <i>Astronomy and Astrophysics</i> , 2013, 553, A90.	2.1	41
32	Sizes, colour gradients and resolved stellar mass distributions for the massive cluster galaxies in XMMUJ2235-2557 at $z = 1.39$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 3181-3209.	1.6	41
33	MUSE analysis of gas around galaxies (MAGG) – III. The gas and galaxy environment of $z = 3$ quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3044-3064.	1.6	40
34	A measurement of the $\lambda = 40$ UV background from H ₃ fluorescence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4802-4816.	1.6	39
35	The MUSE Ultra Deep Field (MUDF). II. Survey design and the gaseous properties of galaxy groups at $0.5 \lesssim z \lesssim 1.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1451-1469.	1.6	38
36	The ram pressure stripped radio tails of galaxies in the Coma cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4654-4673.	1.6	37

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37	MUSE Analysis of Gas around Galaxies (MAGG) â€“ I: Survey design and the environment of a near pristine gas cloud at $z \approx 3.5$. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2057-2074.	1.6	36
38	FIRST RESULTS FROM THE VIRIAL SURVEY: THE STELLAR CONTENT OF UVJ -SELECTED QUIESCENT GALAXIES AT $1.5 < z < 2$ FROM KMOS. Astrophysical Journal Letters, 2015, 804, L4.	3.0	35
39	The KMOS $3D$ Survey: Rotating Compact Star-forming Galaxies and the Decomposition of Integrated Line Widths*. Astrophysical Journal, 2018, 855, 97.	1.6	32
40	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2021, 646, A139.	2.1	31
41	Metal-enriched halo gas across galaxy overdensities over the last 10 billion years. Monthly Notices of the Royal Astronomical Society, 2021, 508, 4573-4599.	1.6	30
42	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2018, 615, A114.	2.1	29
43	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2018, 620, A164.	2.1	24
44	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.	1.6	24
45	A universal correlation between warm and hot gas in the stripped tails of cluster galaxies. Nature Astronomy, 2022, 6, 270-274.	4.2	23
46	The definition of environment and its relation to the quenching of galaxies at $z \approx 1$ in a hierarchical Universe. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2582-2598.	1.6	20
47	The KMOS $3D$ Survey: Investigating the Origin of the Elevated Electron Densities in Star-forming Galaxies at $1 < z < 3$. Astrophysical Journal, 2021, 909, 78.	1.6	19
48	The Kinematics of Massive Quiescent Galaxies at $1.4 < z < 2.1$: Dark Matter Fractions, IMF Variation, and the Relation to Local Early-type Galaxies*. Astrophysical Journal, 2020, 899, 87.	1.6	19
49	The MUSE Ultra Deep Field (MUDF) â€“ I. Discovery of a group of Ly α nebulae associated with a bright $z \approx 3.23$ quasar pair. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L62-L67.	1.2	18
50	H α imaging observations of early-type galaxies from the ATLAS $3D$ survey. Astronomy and Astrophysics, 2018, 611, A28.	2.1	17
51	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). Astronomy and Astrophysics, 2019, 623, A52.	2.1	17
52	Into the Ly α jungle: exploring the circumgalactic medium of galaxies at $z \approx 4$ with MUSE. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5336-5356.	1.6	17
53	H α imaging survey of H α -selected galaxies from ALFALFA. Astronomy and Astrophysics, 2015, 576, A16.	2.1	16
54	Red-channel (6000âˆ’8000 Å...) nuclear spectra of 376 local galaxies. Astronomy and Astrophysics, 2013, 558, A68.	2.1	15

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55	Robust automatic photometry of local galaxies from SDSS. <i>Astronomy and Astrophysics</i> , 2016, 591, A38.	2.1	15
56	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2020, 644, A161.	2.1	15
57	Growing up in a megalopolis: environmental effects on galaxy evolution in a supercluster at $z \approx 0.65$ in UKIDSS UDS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4148-4169.	1.6	14
58	A merger shock in Abell 1367. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 486, L36-L40.	1.2	14
59	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2021, 650, A99.	2.1	13
60	An H α /X-ray orphan cloud as a signpost of intracluster medium clumping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4702-4716.	1.6	13
61	Nuclear versus integrated spectroscopy of galaxies in the <i>Herschel</i> Reference Survey. <i>Astronomy and Astrophysics</i> , 2018, 615, A104.	2.1	11
62	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2020, 634, L1.	2.1	11
63	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2021, 645, A121.	2.1	11
64	On the influence of environment on star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3812-3825.	1.6	8
65	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2022, 659, A46.	2.1	8
66	MUSE sneaks a peek at extreme ram-pressure stripping events in V. Towards a complete view of the galaxy cluster A1367. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5180-5197.	1.6	8
67	A Virgo Environmental Survey Tracing Ionised Gas Emission (VESTIGE). <i>Astronomy and Astrophysics</i> , 2022, 659, A45.	2.1	7
68	The BIG X-ray tail. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 508, L69-L73.	1.2	6
69	On the role of supermassive black holes in quenching star formation in local central galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1606-1618.	1.6	5