Lorenzo Posti

List of Publications by Year
in descending order

34 papers	1,095 citations	394421 19 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	1314 citing authors

#	Article	IF	Citations
1	Mass and shape of the Milky Wayâ€™s dark matter halo with globular clusters from <i>Gaia</i> and <i>Hubble</i>. Astronomy and Astrophysics, 2019, 621, A56.	5.1	145
2	Off the Baryonic Tullyâ€“Fisher Relation: A Population of Baryon-dominated Ultra-diffuse Galaxies. Astrophysical Journal Letters, 2019, 883, L33.	8.3	76
3	Peak star formation efficiency and no missing baryons in massive spirals. Astronomy and Astrophysics, 2019, 626, A56.	5.1	69
4	The angular momentum-mass relation: a fundamental law from dwarf irregulars to massive spirals. Astronomy and Astrophysics, 2018, 612, L6.	5.1	68
5	Action-based distribution functions for spheroidal galaxy components. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3060-3068.	4.4	61
6	Robust Hâ€‰i kinematics of gas-rich ultra-diffuse galaxies: hints of a weak-feedback formation scenario. Monthly Notices of the Royal Astronomical Society, 2020, 495, 3636-3655.	4.4	56
7	Three-dimensional motions in the Sculptor dwarf galaxy as a glimpse of a new era. Nature Astronomy, 2018, 2, 156-161.	10.1	55
8	A discrete chemo-dynamical model of the dwarf spheroidal galaxy Sculptor: mass profile, velocity anisotropy and internal rotation. Monthly Notices of the Royal Astronomical Society, 2016, 463, 1117-1135.	4.4	47
9	Galaxy spin as a formation probe: the stellar-to-halo specific angular momentum relation. Monthly Notices of the Royal Astronomical Society, 2018, 475, 232-243.	4.4	41
10	The baryonic specific angular momentum of disc galaxies. Astronomy and Astrophysics, 2021, 647, A76.	5.1	38
11	Dynamical evidence for a morphology-dependent relation between the stellar and halo masses of galaxies. Astronomy and Astrophysics, 2021, 649, A119.	5.1	38
12	The dynamically selected stellar halo of the Galaxy with<i>Gaia</i>and the tilt of the velocity ellipsoid. Astronomy and Astrophysics, 2018, 615, A70.	5.1	34
13	Galaxy disc scaling relations: A tight linear galaxyâ€“halo connection challenges abundance matching. Astronomy and Astrophysics, 2019, 629, A59.	5.1	34
14	Action-based dynamical models of dwarf spheroidal galaxies: application to Fornax. Monthly Notices of the Royal Astronomical Society, 2018, 480, 927-946.	4.4	32
15	Zero-metallicity Hypernova Uncovered by an Ultra-metal-poor Star in the Sculptor Dwarf Spheroidal Galaxy*. Astrophysical Journal Letters, 2021, 915, L30.	8.3	30
16	The power of teaming up HST and<i>Gaia</i>: the first proper motion measurement of the distant cluster NGC 2419. Astronomy and Astrophysics, 2017, 598, L9.	5.1	28
17	A tight angular-momentum plane for disc galaxies. Astronomy and Astrophysics, 2021, 651, L15.	5.1	27
18	The imprint of dark matter haloes on the size and velocity dispersion evolution of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 440, 610-623.	4.4	22

#	ARTICLE	IF	CITATIONS
19	The angular momentum of disc galaxies at <i>z</i> = 1. Astronomy and Astrophysics, 2019, 621, L6.	5.1	22
20	Massive disc galaxies too dominated by dark matter in cosmological hydrodynamical simulations. Astronomy and Astrophysics, 2020, 640, A70.	5.1	20
21	A universal relation between the properties of supermassive black holes, galaxies, and dark matter haloes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4274-4293.	4.4	19
22	Dwarf Galaxies in the MATLAS Survey: Hubble Space Telescope Observations of the Globular Cluster System in the Ultra-diffuse Galaxy MATLAS-2019. Astrophysical Journal, 2021, 923, 9.	4.5	18
23	The dichotomy of dark matter fraction and total mass density slope of galaxies over five dex in mass. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5483-5493.	4.4	15
24	Rotation curves and scaling relations of extremely massive spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5820-5831.	4.4	15
25	The Phantom Dark Matter Halos of the Local Volume in the Context of Modified Newtonian Dynamics. Astrophysical Journal, 2021, 923, 68.	4.5	14
26	The tilt of the velocity ellipsoid in the Milky Way with <i>Gaia</i> DR2. Astronomy and Astrophysics, 2019, 629, A70.	5.1	13
27	ON THE NATURE OF LOCAL INSTABILITIES IN ROTATING GALACTIC CORONAE AND COOL CORES OF GALAXY CLUSTERS. Astrophysical Journal, 2014, 792, 21.	4.5	12
28	<i>Gaia</i> DR2 orbital properties for field stars with globular cluster-like CN band strengths. Astronomy and Astrophysics, 2019, 624, L9.	5.1	12
29	Thermal stability of a weakly magnetized rotating plasma. Monthly Notices of the Royal Astronomical Society, 2013, 428, 815-827.	4.4	7
30	Action-based models for dwarf spheroidal galaxies and globular clusters. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2423-2439.	4.4	7
31	The impact of the halo spin-concentration relation on disc scaling laws. Astronomy and Astrophysics, 2020, 644, A76.	5.1	6
32	Leaves on trees: identifying halo stars with extreme gradient boosted trees. Astronomy and Astrophysics, 2019, 621, A13.	5.1	5
33	Distance to the nearby dwarf galaxy [TT2009] 25 in the NGC 891 group using the tip of the red giant branch. Astronomy and Astrophysics, 2019, 629, L2.	5.1	5
34	Magnetorotational instability in cool cores of galaxy clusters. Journal of Plasma Physics, 2015, 81, .	2.1	4