

Lorenzo Posti

List of Publications by Year in descending order

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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	The baryonic specific angular momentum of disc galaxies. <i>Astronomy and Astrophysics</i> , 2021, 647, A76.	5.1	38
2	Dynamical evidence for a morphology-dependent relation between the stellar and halo masses of galaxies. <i>Astronomy and Astrophysics</i> , 2021, 649, A119.	5.1	38
3	A tight angular-momentum plane for disc galaxies. <i>Astronomy and Astrophysics</i> , 2021, 651, L15.	5.1	27
4	Zero-metallicity Hypernova Uncovered by an Ultra-metal-poor Star in the Sculptor Dwarf Spheroidal Galaxy*. <i>Astrophysical Journal Letters</i> , 2021, 915, L30.	8.3	30
5	A universal relation between the properties of supermassive black holes, galaxies, and dark matter haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4274-4293.	4.4	19
6	Rotation curves and scaling relations of extremely massive spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 5820-5831.	4.4	15
7	Dwarf Galaxies in the MATLAS Survey: Hubble Space Telescope Observations of the Globular Cluster System in the Ultra-diffuse Galaxy MATLAS-2019. <i>Astrophysical Journal</i> , 2021, 923, 9.	4.5	18
8	The Phantom Dark Matter Halos of the Local Volume in the Context of Modified Newtonian Dynamics. <i>Astrophysical Journal</i> , 2021, 923, 68.	4.5	14
9	Robust $H\alpha$ kinematics of gas-rich ultra-diffuse galaxies: hints of a weak-feedback formation scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 3636-3655.	4.4	56
10	Massive disc galaxies too dominated by dark matter in cosmological hydrodynamical simulations. <i>Astronomy and Astrophysics</i> , 2020, 640, A70.	5.1	20
11	The impact of the halo spin-concentration relation on disc scaling laws. <i>Astronomy and Astrophysics</i> , 2020, 644, A76.	5.1	6
12	Action-based models for dwarf spheroidal galaxies and globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2423-2439.	4.4	7
13	The dichotomy of dark matter fraction and total mass density slope of galaxies over five dex in mass. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 5483-5493.	4.4	15
14	Off the Baryonic Tully-Fisher Relation: A Population of Baryon-dominated Ultra-diffuse Galaxies. <i>Astrophysical Journal Letters</i> , 2019, 883, L33.	8.3	76
15	The tilt of the velocity ellipsoid in the Milky Way with <i>Gaia</i> DR2. <i>Astronomy and Astrophysics</i> , 2019, 629, A70.	5.1	13
16	Leaves on trees: identifying halo stars with extreme gradient boosted trees. <i>Astronomy and Astrophysics</i> , 2019, 621, A13.	5.1	5
17	Peak star formation efficiency and no missing baryons in massive spirals. <i>Astronomy and Astrophysics</i> , 2019, 626, A56.	5.1	69
18	Galaxy disc scaling relations: A tight linear galaxy-halo connection challenges abundance matching. <i>Astronomy and Astrophysics</i> , 2019, 629, A59.	5.1	34

#	ARTICLE	IF	CITATIONS
19	The angular momentum of disc galaxies at $\langle z \rangle = \langle b \rangle$. <i>Astronomy and Astrophysics</i> , 2019, 621, L6.	5.1	22
20	<i>Gaia</i> DR2 orbital properties for field stars with globular cluster-like CN band strengths. <i>Astronomy and Astrophysics</i> , 2019, 624, L9.	5.1	12
21	Distance to the nearby dwarf galaxy [TT2009] 25 in the NGC 891 group using the tip of the red giant branch. <i>Astronomy and Astrophysics</i> , 2019, 629, L2.	5.1	5
22	Mass and shape of the Milky Way's dark matter halo with globular clusters from <i>Gaia</i> and <i>Hubble</i> . <i>Astronomy and Astrophysics</i> , 2019, 621, A56.	5.1	145
23	The dynamically selected stellar halo of the Galaxy with <i>Gaia</i> and the tilt of the velocity ellipsoid. <i>Astronomy and Astrophysics</i> , 2018, 615, A70.	5.1	34
24	The angular momentum-mass relation: a fundamental law from dwarf irregulars to massive spirals. <i>Astronomy and Astrophysics</i> , 2018, 612, L6.	5.1	68
25	Galaxy spin as a formation probe: the stellar-to-halo specific angular momentum relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 232-243.	4.4	41
26	Action-based dynamical models of dwarf spheroidal galaxies: application to Fornax. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 927-946.	4.4	32
27	Three-dimensional motions in the Sculptor dwarf galaxy as a glimpse of a new era. <i>Nature Astronomy</i> , 2018, 2, 156-161.	10.1	55
28	The power of teaming up HST and <i>Gaia</i> : the first proper motion measurement of the distant cluster NGC 2419. <i>Astronomy and Astrophysics</i> , 2017, 598, L9.	5.1	28
29	A discrete chemo-dynamical model of the dwarf spheroidal galaxy Sculptor: mass profile, velocity anisotropy and internal rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 1117-1135.	4.4	47
30	Magnetorotational instability in cool cores of galaxy clusters. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	4
31	Action-based distribution functions for spheroidal galaxy components. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3060-3068.	4.4	61
32	ON THE NATURE OF LOCAL INSTABILITIES IN ROTATING GALACTIC CORONAE AND COOL CORES OF GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 792, 21.	4.5	12
33	The imprint of dark matter haloes on the size and velocity dispersion evolution of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 610-623.	4.4	22
34	Thermal stability of a weakly magnetized rotating plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 815-827.	4.4	7