

Paolo Salucci

List of Publications by Year in descending order

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77
papers

6,998
citations

87888

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79698

73
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77
all docs

77
docs citations

77
times ranked

3642
citing authors

#	ARTICLE	IF	CITATIONS
1	Observational evidence of evolving dark matter profiles at $z < 1$. <i>Astronomy and Astrophysics</i> , 2022, 659, A40.	5.1	11
2	The Accurate Mass Distribution of M87, the Giant Galaxy with Imaged Shadow of Its Supermassive Black Hole, as a Portal to New Physics. <i>Astrophysical Journal</i> , 2022, 929, 17.	4.5	5
3	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	6.7	350
4	Einstein, Planck and Vera Rubin: Relevant Encounters Between the Cosmological and the Quantum Worlds. <i>Frontiers in Physics</i> , 2021, 8, .	2.1	38
5	Flat rotation curves of $z \sim 1$ star-forming galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1753-1772.	4.4	10
6	Modeling the Sgr A* Black Hole Immersed in a Dark Matter Spike. <i>Astrophysical Journal</i> , 2021, 916, 116.	4.5	49
7	Dark matter fraction in $z < 1$ star-forming galaxies. <i>Astronomy and Astrophysics</i> , 2021, 653, A20.		4
8	Fundamental Properties of the Dark and the Luminous Matter from the Low Surface Brightness Discs. <i>Universe</i> , 2021, 7, 344.	2.5	3
9	Dark matter search in dwarf irregular galaxies with the Fermi Large Area Telescope. <i>Physical Review D</i> , 2021, 104, .	4.7	8
10	Paradigms and Scenarios for the Dark Matter Phenomenon. <i>Universe</i> , 2020, 6, 118.	2.5	20
11	Navarro-Frenk-White dark matter profile and the dark halos around disk systems. <i>Astronomy and Astrophysics</i> , 2020, 643, A161.	5.1	9
12	Black hole surrounded by a dark matter halo in the M87 galactic center and its identification with shadow images. <i>Physical Review D</i> , 2019, 100, .	4.7	112
13	The universal rotation curve of low surface brightness galaxies – IV. The interrelation between dark and luminous matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5451-5477.	4.4	31
14	The distribution of dark matter in galaxies. <i>Astronomy and Astrophysics Review</i> , 2019, 27, 1.	25.5	155
15	The Radial Acceleration Relation (RAR): Crucial Cases of Dwarf Disks and Low-surface-brightness Galaxies. <i>Astrophysical Journal</i> , 2019, 873, 106.	4.5	30
16	Constraints on cross section and lifetime of dark matter with HAWC Observations of dwarf Irregular galaxies. , 2019, , .		2
17	Precision Scaling Relations for Disk Galaxies in the Local Universe. <i>Astrophysical Journal</i> , 2018, 859, 2.	4.5	60
18	Theoretical predictions for dark matter detection in dwarf irregular galaxies with gamma rays. <i>Physical Review D</i> , 2018, 98, .	4.7	16

#	ARTICLE	IF	CITATIONS
19	Dark Matter in Galaxies: Evidences and Challenges. Foundations of Physics, 2018, 48, 1517-1537.	1.3	21
20	The universal rotation curve of dwarf disc galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4703-4722.	4.4	101
21	Radial dependence of the dark matter distribution in M33. Monthly Notices of the Royal Astronomical Society, 2017, 468, 147-153.	4.4	9
22	The dark matter distribution in the spiral NGC 3198 out to $0.22 R_{vir}$. Astronomy and Astrophysics, 2015, 578, A13.	5.1	24
23	Observational rotation curves and density profiles versus the Thomas-Fermi galaxy structure theory. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2717-2727.	4.4	75
24	GALAXY LUMINOSITY FUNCTION AND TULLY-FISHER RELATION: RECONCILED THROUGH ROTATION-CURVE STUDIES. Astrophysical Journal, 2014, 783, 66.	4.5	12
25	Possible existence of wormholes in the central regions of halos. Annals of Physics, 2014, 350, 561-567.	2.8	44
26	R^n gravity is kicking and alive: The cases of Orion and NGC 3198. International Journal of Modern Physics D, 2014, 23, 1442005.	2.1	15
27	The Dark Matter halo of the Milky Way, AD 2013. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 016-016.	5.4	245
28	Constraints on interacting Dark Energy models from galaxy rotation curves. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 014-014.	5.4	24
29	Extracting limits on dark matter annihilation from gamma ray observations towards dwarf spheroidal galaxies. Physical Review D, 2012, 86, .	4.7	52
30	The mass of the dark matter particle: Theory and galaxy observations. New Astronomy, 2012, 17, 653-666.	1.8	60
31	The distribution of mass in the Orion dwarf Galaxy. Monthly Notices of the Royal Astronomical Society, 2012, 426, 751-757.	4.4	12
32	Dwarf spheroidal galaxy kinematics and spiral galaxy scaling laws. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2034-2041.	4.4	119
33	Probing dark matter haloes of spiral galaxies at poorly explored distances using satellite kinematics. Astronomy and Astrophysics, 2011, 532, A105.	5.1	8
34	Dark matter halos around isolated ellipticals. Astronomy and Astrophysics, 2011, 534, A50.	5.1	27
35	THE HI CONTENT OF LOCAL LATE-TYPE GALAXIES. Astrophysical Journal, 2011, 743, 45.	4.5	25
36	The inner structure of very massive elliptical galaxies: implications for the inside-out formation mechanism of $z \sim 2$ galaxies. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1435-1444.	4.4	17

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37	Rotation curves of luminous spiral galaxies. <i>Astronomische Nachrichten</i> , 2011, 332, 846-853.	1.2	7
38	The dark matter density at the Sun's location. <i>Astronomy and Astrophysics</i> , 2010, 523, A83.	5.1	287
39	The structure of spiral galaxies: radial profiles in stellar mass-to-light ratio and the dark matter distribution. <i>Astronomy and Astrophysics</i> , 2010, 521, A82.	5.1	13
40	A constant dark matter halo surface density in galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 397, 1169-1176.	4.4	317
41	Universality of galactic surface densities within one dark halo scale-length. <i>Nature</i> , 2009, 461, 627-628.	27.8	127
42	The mass distribution in Spiral galaxies. <i>EAS Publications Series</i> , 2009, 36, 133-140.	0.3	13
43	The disc mass of spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 159-164.	4.4	25
44	The mass distribution in Spiral galaxies. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 53-62.	0.0	5
45	Analysis of Rotation Curves in the Framework of the Gravitational Suppression Model. <i>Physical Review Letters</i> , 2007, 98, 151301.	7.8	6
46	Λ CDM halo density profiles: where do actual halos converge to NFW ones?. <i>Astronomy and Astrophysics</i> , 2007, 467, 925-931.	5.1	51
47	Testing modified Newtonian dynamic with Local Group spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 374, 1051-1055.	4.4	20
48	NGC 3741: the dark halo profile from the most extended rotation curve. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 375, 199-212.	4.4	177
49	The radial Tully-Fisher relation for spiral galaxies - I. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 507-515.	4.4	46
50	The universal rotation curve of spiral galaxies - II. The dark matter distribution out to the virial radius. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 41-47.	4.4	318
51	The baryonic and dark matter properties of high-redshift gravitationally lensed disc galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 382, 652-656.	4.4	2
52	New Relationships between Galaxy Properties and Host Halo Mass, and the Role of Feedbacks in Galaxy Formation. <i>Astrophysical Journal</i> , 2006, 643, 14-25.	4.5	252
53	Measuring the Spin of Spiral Galaxies. <i>Astrophysical Journal</i> , 2006, 638, L13-L16.	4.5	43
54	The Dwarf Galaxy DDO 47 as a Dark Matter Laboratory: Testing Cusps Hiding in Triaxial Halos. <i>Astrophysical Journal</i> , 2005, 634, L145-L148.	4.5	145

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55	Cores vs. Cusps: Dark Matter Density Profiles in Spirals. Symposium - International Astronomical Union, 2004, 220, 311-312.	0.1	0
56	The cored distribution of dark matter in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 351, 903-922.	4.4	437
57	Cores of dark matter haloes correlate with stellar scalelengths. Monthly Notices of the Royal Astronomical Society, 2004, 353, L17-L22.	4.4	81
58	The Distribution of Dark Matter in Galaxies: The Core Radius Issue. Springer Proceedings in Physics, 2004, , 613-626.	0.2	0
59	The fundamental plane of ellipticals – I. The dark matter connection. Monthly Notices of the Royal Astronomical Society, 2003, 341, 1109-1120.	4.4	88
60	The Intriguing Distribution of Dark Matter in Galaxies. Lecture Notes in Physics, 2003, , 66-77.	0.7	10
61	Λ CDM and the distribution of dark matter in galaxies: A constant density halo around DDO 47. Astronomy and Astrophysics, 2003, 409, 53-56.	5.1	45
62	The constant-density region of the dark haloes of spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2001, 320, L1-L5.	4.4	97
63	The dark matter distribution in disc galaxies. Monthly Notices of the Royal Astronomical Society, 2001, 323, 285-292.	4.4	284
64	Dark Matter Scaling Relations. Astrophysical Journal, 2000, 537, L9-L12.	4.5	342
65	The extended rotation curve and the dark matter halo of M33. Monthly Notices of the Royal Astronomical Society, 2000, 311, 441-447.	4.4	251
66	The masses of black holes in the nuclei of spirals. Monthly Notices of the Royal Astronomical Society, 2000, 317, 488-496.	4.4	51
67	The mass distribution in the innermost regions of spiral galaxies. New Astronomy, 2000, 5, 427-439.	1.8	13
68	The baryonic mass function of spiral galaxies: clues to galaxy formation. Monthly Notices of the Royal Astronomical Society, 1999, 309, 923-928.	4.4	66
69	The universal rotation curve of spiral galaxies – I. The dark matter connection. Monthly Notices of the Royal Astronomical Society, 1996, 281, 27-47.	4.4	850
70	Rotation Curves of 967 Spiral Galaxies. Astrophysical Journal, Supplement Series, 1995, 99, 501.	7.7	114
71	A physical distance indicator for spiral galaxies and the determination of H_0 . Monthly Notices of the Royal Astronomical Society, 1993, 262, 392-400.	4.4	12
72	The baryon content of the Universe. Monthly Notices of the Royal Astronomical Society, 1992, 258, 14P-18P.	4.4	196

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73	The universal galaxy rotation curve. <i>Astrophysical Journal</i> , 1991, 368, 60.	4.5	121
74	Dark matter in spiral galaxies. <i>Astrophysical Journal</i> , 1990, 355, 44.	4.5	16
75	Mass decomposition of spiral galaxies from disc kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 1990, 245, 577-577.	4.4	43
76	Dark and visible matter in spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1988, 234, 131-154.	4.4	87
77	Analysis of rotation curves in the framework of R_n gravity. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 381, 1103-1108.	4.4	137