

Paolo Salucci

List of Publications by Year in descending order

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77
papers

6,998
citations

87888

38
h-index

79698

73
g-index

77
all docs

77
docs citations

77
times ranked

3642
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The cored distribution of dark matter in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 351, 903-922.	4.4	437
3	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. Journal of High Energy Astrophysics, 2022, 34, 49-211.	6.7	350
4	Dark Matter Scaling Relations. Astrophysical Journal, 2000, 537, L9-L12.	4.5	342
5	The universal rotation curve of spiral galaxies - II. The dark matter distribution out to the virial radius. Monthly Notices of the Royal Astronomical Society, 2007, 378, 41-47.	4.4	318
6	A constant dark matter halo surface density in galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 397, 1169-1176.	4.4	317
7	The dark matter density at the Sun's location. Astronomy and Astrophysics, 2010, 523, A83.	5.1	287
8	The dark matter distribution in disc galaxies. Monthly Notices of the Royal Astronomical Society, 2001, 323, 285-292.	4.4	284
9	New Relationships between Galaxy Properties and Host Halo Mass, and the Role of Feedbacks in Galaxy Formation. Astrophysical Journal, 2006, 643, 14-25.	4.5	252
10	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
11	The Dark Matter halo of the Milky Way, AD 2013. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 016-016.	5.4	245
12	The baryon content of the Universe. Monthly Notices of the Royal Astronomical Society, 1992, 258, 14P-18P.	4.4	196
13	NGC 3741: the dark halo profile from the most extended rotation curve. Monthly Notices of the Royal Astronomical Society, 2007, 375, 199-212.	4.4	177
14	The distribution of dark matter in galaxies. Astronomy and Astrophysics Review, 2019, 27, 1.	25.5	155
15	The Dwarf Galaxy DDO 47 as a Dark Matter Laboratory: Testing Cusps Hiding in Triaxial Halos. Astrophysical Journal, 2005, 634, L145-L148.	4.5	145
16	Analysis of rotation curves in the framework of R_n gravity. Monthly Notices of the Royal Astronomical Society, 0, 381, 1103-1108.	4.4	137
17	Universality of galactic surface densities within one dark halo scale-length. Nature, 2009, 461, 627-628.	27.8	127
18	The universal galaxy rotation curve. Astrophysical Journal, 1991, 368, 60.	4.5	121

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19	Dwarf spheroidal galaxy kinematics and spiral galaxy scaling laws. Monthly Notices of the Royal Astronomical Society, 2012, 420, 2034-2041.	4.4	119
20	Rotation Curves of 967 Spiral Galaxies. Astrophysical Journal, Supplement Series, 1995, 99, 501.	7.7	114
21	Black hole surrounded by a dark matter halo in the M87 galactic center and its identification with shadow images. Physical Review D, 2019, 100, .	4.7	112
22	The universal rotation curve of dwarf disc galaxies. Monthly Notices of the Royal Astronomical Society, 2017, 465, 4703-4722.	4.4	101
23	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
24	The fundamental plane of ellipticals – I. The dark matter connection. Monthly Notices of the Royal Astronomical Society, 2003, 341, 1109-1120.	4.4	88
25	Dark and visible matter in spiral galaxies. Monthly Notices of the Royal Astronomical Society, 1988, 234, 131-154.	4.4	87
26	Cores of dark matter haloes correlate with stellar scalelengths. Monthly Notices of the Royal Astronomical Society, 2004, 353, L17-L22.	4.4	81
27	Observational rotation curves and density profiles versus the Thomasâ€™Fermi galaxy structure theory. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2717-2727.	4.4	75
28	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
29	The mass of the dark matter particle: Theory and galaxy observations. New Astronomy, 2012, 17, 653-666.	1.8	60
30	Precision Scaling Relations for Disk Galaxies in the Local Universe. Astrophysical Journal, 2018, 859, 2.	4.5	60
31	Extracting limits on dark matter annihilation from gamma ray observations towards dwarf spheroidal galaxies. Physical Review D, 2012, 86, .	4.7	52
32	The masses of black holes in the nuclei of spirals. Monthly Notices of the Royal Astronomical Society, 2000, 317, 488-496.	4.4	51
33	Λ CDM halo density profiles: where do actual halos converge to NFW ones?. Astronomy and Astrophysics, 2007, 467, 925-931.	5.1	51
34	Modeling the Sgr A* Black Hole Immersed in a Dark Matter Spike. Astrophysical Journal, 2021, 916, 116.	4.5	49
35	The radial Tully-Fisher relation for spiral galaxies - I. Monthly Notices of the Royal Astronomical Society, 2007, 377, 507-515.	4.4	46
36	Λ CDM and the distribution of dark matter in galaxies: A constantâ€™density halo around DDO 47. Astronomy and Astrophysics, 2003, 409, 53-56.	5.1	45

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37	Possible existence of wormholes in the central regions of halos. <i>Annals of Physics</i> , 2014, 350, 561-567.	2.8	44
38	Measuring the Spin of Spiral Galaxies. <i>Astrophysical Journal</i> , 2006, 638, L13-L16.	4.5	43
39	Mass decomposition of spiral galaxies from disc kinematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 1990, 245, 577-577.	4.4	43
40	Einstein, Planck and Vera Rubin: Relevant Encounters Between the Cosmological and the Quantum Worlds. <i>Frontiers in Physics</i> , 2021, 8, .	2.1	38
41	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
42	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
43	Dark matter halos around isolated ellipticals. <i>Astronomy and Astrophysics</i> , 2011, 534, A50.	5.1	27
44	The disc mass of spiral galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 388, 159-164.	4.4	25
45	THE H I CONTENT OF LOCAL LATE-TYPE GALAXIES. <i>Astrophysical Journal</i> , 2011, 743, 45.	4.5	25
46	Constraints on interacting Dark Energy models from galaxy rotation curves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 014-014.	5.4	24
47	The dark matter distribution in the spiral NGC 3198 out to $0.22 R_{vir}$. <i>Astronomy and Astrophysics</i> , 2015, 578, A13.	5.1	24
48	Dark Matter in Galaxies: Evidences and Challenges. <i>Foundations of Physics</i> , 2018, 48, 1517-1537.	1.3	21
49	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
50	Paradigms and Scenarios for the Dark Matter Phenomenon. <i>Universe</i> , 2020, 6, 118.	2.5	20
51	The inner structure of very massive elliptical galaxies: implications for the inside-out formation mechanism of $z \sim 2$ galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 1435-1444.	4.4	17
52	Theoretical predictions for dark matter detection in dwarf irregular galaxies with gamma rays. <i>Physical Review D</i> , 2018, 98, .	4.7	16
53	Dark matter in spiral galaxies. <i>Astrophysical Journal</i> , 1990, 355, 44.	4.5	16
54	R^n gravity is kicking and alive: The cases of Orion and NGC 3198. <i>International Journal of Modern Physics D</i> , 2014, 23, 1442005.	2.1	15

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55	The mass distribution in the innermost regions of spiral galaxies. <i>New Astronomy</i> , 2000, 5, 427-439.	1.8	13
56	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
57	The mass distribution in Spiral galaxies. <i>EAS Publications Series</i> , 2009, 36, 133-140.	0.3	13
58	A physical distance indicator for spiral galaxies and the determination of H_0 . <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 262, 392-400.	4.4	12
59	The distribution of mass in the Orion dwarf Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 426, 751-757.	4.4	12
60	GALAXY LUMINOSITY FUNCTION AND TULLY-FISHER RELATION: RECONCILED THROUGH ROTATION-CURVE STUDIES. <i>Astrophysical Journal</i> , 2014, 783, 66.	4.5	12
61	Observational evidence of evolving dark matter profiles at $z \lesssim 1$. <i>Astronomy and Astrophysics</i> , 2022, 659, A40.	5.1	11
62	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
63	The Intriguing Distribution of Dark Matter in Galaxies. <i>Lecture Notes in Physics</i> , 2003, , 66-77.	0.7	10
64	Radial dependence of the dark matter distribution in M33. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 147-153.	4.4	9
65	Navarro-Frenk-White dark matter profile and the dark halos around disk systems. <i>Astronomy and Astrophysics</i> , 2020, 643, A161.	5.1	9
66	Probing dark matter haloes of spiral galaxies at poorly explored distances using satellite kinematics. <i>Astronomy and Astrophysics</i> , 2011, 532, A105.	5.1	8
67	Dark matter search in dwarf irregular galaxies with the <i>Fermi</i> Large Area Telescope. <i>Physical Review D</i> , 2021, 104, .	4.7	8
68	Rotation curves of luminous spiral galaxies. <i>Astronomische Nachrichten</i> , 2011, 332, 846-853.	1.2	7
69	Analysis of Rotation Curves in the Framework of the Gravitational Suppression Model. <i>Physical Review Letters</i> , 2007, 98, 151301.	7.8	6
70	The mass distribution in Spiral galaxies. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 53-62.	0.0	5
71	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
72	Dark matter fraction in $z \lesssim 1$ star-forming galaxies. <i>Astronomy and Astrophysics</i> , 2021, 653, A20.	5.2	4

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73	Fundamental Properties of the Dark and the Luminous Matter from the Low Surface Brightness Discs. Universe, 2021, 7, 344.	2.5	3
74	The baryonic and dark matter properties of high-redshift gravitationally lensed disc galaxies. Monthly Notices of the Royal Astronomical Society, 2007, 382, 652-656.	4.4	2
75	Constraints on cross section and lifetime of dark matter with HAWC Observations of dwarf Irregular galaxies. , 2019, , .		2
76	Cores vs. Cusps: Dark Matter Density Profiles in Spirals. Symposium - International Astronomical Union, 2004, 220, 311-312.	0.1	0
77	The Distribution of Dark Matter in Galaxies: The Core Radius Issue. Springer Proceedings in Physics, 2004, , 613-626.	0.2	0