Marco Cirelli

List of Publications by Year
in descending order

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Version: 2024-02-01

57 papers	4,906 citations	126907 33 h-index	214800 47 g-index
61 all docs	61 docs citations	61 times ranked	3753 citing authors

#	Article	IF	Citations
1	Minimal dark matter. Nuclear Physics B, 2006, 753, 178-194.	2.5	763
2	PPPC 4 DM ID: a poor particle physicist cookbook for dark matter indirect detection. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 051-051.	5.4	624
3	Cosmology and astrophysics of minimal dark matter. Nuclear Physics B, 2007, 787, 152-175.	2.5	468
4	Tools for model-independent bounds in direct dark matter searches. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 019-019.	5.4	206
5	Gamma-ray and radio tests of thee^{Â±}excess from DM annihilations. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 009-009.	5.4	190
6	Minimal dark matter: model and results. New Journal of Physics, 2009, 11, 105005.	2.9	186
7	Diffuse gamma ray constraints on annihilating or decaying Dark Matter after Fermi. Nuclear Physics B, 2010, 840, 284-303.	2.5	162
8	Minimal Dark Matter predictions for galactic positrons, anti-protons, photons. Nuclear Physics B, 2008, 800, 204-220.	2.5	154
9	Constraints on Dark Matter annihilations from reionization and heating of the intergalactic gas. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 009-009.	5.4	132
10	Spectra of neutrinos from dark matter annihilations. Nuclear Physics B, 2005, 727, 99-138.	2.5	113
11	Inverse Compton constraints on the Dark Matter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mi>e</mml:mi><mml:mo>Â±</mml:mo></mml:msup></mml:math> excesses. Nuclear Physics B, 2009, 821, 399-416.	2.5	106
12	Dark Matter's secret liaisons: phenomenology of a dark U(1) sector with bound states. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 036-036.	5.4	106
13	Voyager 1 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo>Â±</mml:mo></mml:msup></mml:math> Further Constrain Primordial Black Holes as Dark Matter. Physical Review Letters, 2019, 122, 041104.	7.8	104
14	AMS-02 antiprotons, at last! Secondary astrophysical component and immediate implications for Dark Matter. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 023-023.	5.4	96
15	Gamma ray constraints on decaying dark matter. Physical Review D, 2012, 86, .	4.7	88
16	On the importance of electroweak corrections for Majorana dark matter indirect detection. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 018-018.	5.4	83
17	Antiprotons from Dark Matter: current constraints and future sensitivities. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 015-015.	5.4	80
18	Antiproton constraints on the GeV gamma-ray excess: a comprehensive analysis. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 045-045.	5.4	77

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19	Indirect searches for dark matter. Pramana - Journal of Physics, 2012, 79, 1021-1043.	1.8	75
20	Consequences of DM/antiDM oscillations for asymmetric WIMP dark matter. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 015-015.	5.4	73
21	Gamma ray tests of Minimal Dark Matter. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 026-026.	5.4	69
22	Mass varying neutrinos in the Sun. Nuclear Physics B, 2005, 719, 219-233.	2.5	65
23	Cosmology of neutrinos and extra-light particles after WMAP3. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 013-013.	5.4	62
24	Sterile neutrinos, lepton asymmetries, primordial elements: How much of each?. Physical Review D, 2006, 74, .	4.7	57
25	PPPC 4 DMÎ½: a Poor Particle Physicist Cookbook for Neutrinos from Dark Matter annihilations in the Sun. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 053-053.	5.4	57
26	Homeopathic Dark Matter, or how diluted heavy substances produce high energy cosmic rays. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 014-014.	5.4	50
27	Asymmetric dark matter: residual annihilations and self-interactions. SciPost Physics, 2018, 4, .	4.9	44
28	Anti-helium from dark matter annihilations. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
29	A fussy revisitation of antiprotons as a tool for Dark Matter searches. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 013-013.	5.4	39
30	Can multistate dark matter annihilation explain the high-energy cosmic ray lepton anomalies?. Physical Review D, 2010, 82, .	4.7	36
31	Bremsstrahlung gamma rays from light dark matter. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 035-035.	5.4	34
32	Initial state radiation in Majorana Dark Matter annihilations. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 034-034.	5.4	32
33	PAMELA and FERMI limits on the neutralino-chargino mass degeneracy. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 028-028.	5.4	29
34	Anti-deuterons from heavy Dark Matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 20-31.	4.1	25
35	INTEGRAL x-ray constraints on sub-GeV dark matter. Physical Review D, 2021, 103, .	4.7	24
36	PPPC 4 DM secondary: a Poor Particle Physicist Cookbook for secondary radiation from Dark Matter. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 037-037.	5.4	23

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37	AMS-02 antiprotons and dark matter: Trimmed hints and robust bounds. SciPost Physics, 2022, 12, .	4.9	22
38	Updated galactic radio constraints on Dark Matter. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 041-041.	5.4	19
39	New minimal, median, and maximal propagation models for dark matter searches with Galactic cosmic rays. Physical Review D, 2021, 104, .	4.7	19
40	Muon anomalous magnetic moment in a calculable model with one extra dimension. Nuclear Physics B, 2002, 634, 230-246.	2.5	13
41	Gluon fusion production of the Higgs boson in a calculable model with one extra dimension. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 531, 105-111.	4.1	8
42	Dark Matter Indirect searches: phenomenological and theoretical aspects. Journal of Physics: Conference Series, 2013, 447, 012006.	0.4	8
43	Minimal Dark Matter. , 2009, , .		7
44	Dark matter phenomena. , 2016, , .		4
45	Dark matter indirect searches: charged cosmic rays. Journal of Physics: Conference Series, 2016, 718, 022005.	0.4	3
46	Chapter 5 Dark Matter and New Physics Beyond the Standard Model with LHAASO. Chinese Physics C, 2022, 46, 030005.	3.7	2
47	Dark Matter searches status as of 2015. , 2016, , .		1
48	Dark matter line searches towards dwarf galaxies with H.E.S.S.. , 2017, , .		1
49	Non-standard neutrinos and Cosmology. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 339-341.	0.4	0
50	Hoping to indirectly detect Dark Matter with cosmic rays. , 2010, , .		0
51	Dark Matter indirect detection:Some anomalies and many constraints. EPJ Web of Conferences, 2016, 121, 06002.	0.3	0
52	Gamma-ray signatures of Dark Matter. EPJ Web of Conferences, 2017, 136, 01004.	0.3	0
53	Dark Matter indirect detection: recent developments and perspectives. , 2015, , .		0
54	Indirect Searches of Dark Matter. , 2016, , .		0

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55	A fussy revisitation of antiprotons as a tool for Dark Matter searches. , 2016, , .		0
56	Tools for Dark Matter Indirect Detection. , 2018, , .		0
57	Constraining sub-GeV dark matter with the Integral data. Journal of Physics: Conference Series, 2021, 2156, 012033.	0.4	0