Francesca Calore

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1303615/publications.pdf

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50	2,206	304743	223800
papers	citations	22 h-index	46 g-index

50	50	50	2095
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Background model systematics for the Fermi GeV excess. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 038-038.	5.4	359
2	A tale of tails: Dark matter interpretations of the Fermi GeV excess in light of background model systematics. Physical Review D, 2015, 91, .	4.7	216
3	CMB bounds on disk-accreting massive primordial black holes. Physical Review D, 2017, 96, .	4.7	196
4	Fundamental physics with the Square Kilometre Array. Publications of the Astronomical Society of Australia, 2020, 37, .	3.4	179
5	Searching for Primordial Black Holes in the Radio and X-Ray Sky. Physical Review Letters, 2017, 118, 241101.	7.8	114
6	DIFFUSE Î³-RAY EMISSION FROM MISALIGNED ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2014, 780, 161.	4.5	108
7	The Galactic Center GeV excess from a series of leptonic cosmic-ray outbursts. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 005-005.	5.4	88
8	Simulated Milky Way analogues: implications for dark matter direct searches. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 024-024.	5.4	74
9	The Fermi-LAT GeV excess as a tracer of stellar mass in the Galactic bulge. Nature Astronomy, 2018, 2, 819-828.	10.1	71
10	DIFFUSE Î³-RAY EMISSION FROM GALACTIC PULSARS. Astrophysical Journal, 2014, 796, 14.	4.5	63
11	RADIO DETECTION PROSPECTS FOR A BULGE POPULATION OF MILLISECOND PULSARS AS SUGGESTED BY FERMI-LAT OBSERVATIONS OF THE INNER GALAXY. Astrophysical Journal, 2016, 827, 143.	4.5	59
12	Simulated Milky Way analogues: implications for dark matter indirect searches. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 053-053.	5.4	49
13	Global analysis of the pMSSM in light of the Fermi GeV excess: prospects for the LHC Run-II and astroparticle experiments. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 037-037.	5.4	48
14	Particle Dark Matter constraints: the effect of Galactic uncertainties. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 007-007.	5.4	48
15	Relevance of sharp gamma-ray features for indirect dark matter searches. Physical Review D, 2011, 84, .	4.7	47
16	Bounds on axionlike particles from the diffuse supernova flux. Physical Review D, 2020, 102, .	4.7	44
17	Constraining dark matter annihilation with the isotropic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-ray background: Updated limits and future potential. Physical Review D, 2014, 89, .	4.7	38
18	SkyFACT: high-dimensional modeling of gamma-ray emission with adaptive templates and penalized likelihoods. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 022-022.	5.4	38

#	Article	IF	Citations
19	Dark matter annihilation radiation in hydrodynamic simulations of Milky Way haloes. Monthly Notices of the Royal Astronomical Society, 2016, 455, 4442-4451.	4.4	37
20	Dark matter constraints from dwarf galaxies: a data-driven analysis. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 029-029.	5.4	33
21	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. Physical Review D, 2017, 96, .	4.7	26
22	Effective field theory of dark matter: a global analysis. Journal of High Energy Physics, 2016, 2016, 1.	4.7	24
23	AMS-02 antiprotons and dark matter: Trimmed hints and robust bounds. SciPost Physics, 2022, 12, .	4.9	22
24	Conservative upper limits on WIMP annihilation cross section from Fermi-LAT<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>rays. Physical Review D, 2012, 85, .	4.7	20
25	Significant Enhancement of Neutralino Dark Matter Annihilation from Electroweak Bremsstrahlung. Physical Review Letters, 2014, 112, 071301.	7.8	18
26	Electroweak and Higgs boson internal bremsstrahlung. General considerations for Majorana dark matter annihilation and application to MSSM neutralinos. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
27	3D template-based Fermi -LAT constraints on the diffuse supernova axion-like particle background. Physical Review D, 2022, 105, .	4.7	18
28	Î³-ray anisotropies from dark matter in the Milky Way: the role of the radial distribution. Monthly Notices of the Royal Astronomical Society, 2014, 442, 1151-1156.	4.4	17
29	Galactic binaries can explain the Fermi Galactic centre excess and 511ÂkeV emission. Monthly Notices of the Royal Astronomical Society, 2018, 480, 3826-3841.	4.4	17
30	Dissecting the Inner Galaxy with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> -Ray Pixel Count Statistics. Physical Review Letters, 2021, 127, 161102.	7.8	17
31	Supernova bounds on axionlike particles coupled with nucleons and electrons. Physical Review D, 2021, 104, .	4.7	14
32	Investigating the detection of dark matter subhalos as extended sources with Fermi -LAT. Physical Review D, 2020, 102, .	4.7	11
33	Indirect searches for dark matter bound state formation and level transitions. SciPost Physics, 2020, 9, .	4.9	11
34	Gamma-Ray Sensitivity to Dark Matter Subhalo Modelling at High Latitudes. Galaxies, 2019, 7, 90.	3.0	10
35	Probing the Fermi-LAT GeV Excess with Gravitational Waves. Physical Review Letters, 2019, 122, 081103.	7.8	8
36	Galactic bulge millisecond pulsars shining in x rays: A <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> -ray perspective. Physical Review D, 2021, 104, .	4.7	8

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37	Measuring the smearing of the Galactic 511-keV signal: positron propagation or supernova kicks?. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 509, L11-L16.	3.3	8
38	511ÂkeV line constraints on feebly interacting particles from supernovae. Physical Review D, 2022, 105, .	4.7	8
39	A Gaia DR2 search for dwarf galaxies towards Fermi-LAT sources: implications for annihilating dark matter. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2284-2291.	4.4	6
40	Gamma-ray image reconstruction of the Andromeda galaxy. Physical Review D, 2021, 103, .	4.7	6
41	Conservative upper limits on WIMP annihilation cross section from Fermi-LATÎ³-rays. Journal of Physics: Conference Series, 2012, 375, 012039.	0.4	3
42	Constraining the diffuse supernova axion-like-particle background with high-latitude Fermi-LAT data. , 2021, , .		2
43	Spectral cutoffs in indirect dark matter searches. Journal of Physics: Conference Series, 2012, 375, 012034.	0.4	1
44	Gamma rays from Galactic Pulsars. Nuclear and Particle Physics Proceedings, 2015, 265-266, 236-238.	0.5	1
45	Predictions of hydrodynamic simulations for direct dark matter detection. Journal of Physics: Conference Series, 2016, 718, 042007.	0.4	1
46	The Fermi GeV excess: challenges for the dark matter interpretation. Journal of Physics: Conference Series, 2016, 718, 042010.	0.4	1
47	Gamma-ray image reconstruction of the Andromeda galaxy. Journal of Physics: Conference Series, 2021, 2156, 012096.	0.4	1
48	Searches for modulation of gamma-ray spectra in the galactic magnetic field as a signature of photon-ALPs mixing. AIP Conference Proceedings, 2017, , .	0.4	0
49	Understanding uncertainties in modeling the galactic diffuse gamma-ray emission. AIP Conference Proceedings, 2017, , .	0.4	0
50	Dissecting the inner Galaxy with gamma-ray pixel count statistics. Journal of Physics: Conference Series, 2021, 2156, 012093.	0.4	0