

Francesca Calore

List of Publications by Year in descending order

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50
papers

2,206
citations

304743

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docs citations

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times ranked

2095
citing authors

#	ARTICLE	IF	CITATIONS
1	511 keV line constraints on feebly interacting particles from supernovae. <i>Physical Review D</i> , 2022, 105, .	4.7	8
2	3D template-based Fermi-LAT constraints on the diffuse supernova axion-like particle background. <i>Physical Review D</i> , 2022, 105, .	4.7	18
3	AMS-02 antiprotons and dark matter: Trimmed hints and robust bounds. <i>SciPost Physics</i> , 2022, 12, .	4.9	22
4	Gamma-ray image reconstruction of the Andromeda galaxy. <i>Physical Review D</i> , 2021, 103, .	4.7	6
5	Constraining the diffuse supernova axion-like-particle background with high-latitude Fermi-LAT data. , 2021, , .		2
6	Galactic bulge millisecond pulsars shining in x rays: A \int^3 -ray perspective. <i>Physical Review D</i> , 2021, 104, .	4.7	8
7	Supernova bounds on axionlike particles coupled with nucleons and electrons. <i>Physical Review D</i> , 2021, 104, .	4.7	14
8	Dissecting the Inner Galaxy with \int^3 -Ray Pixel Count Statistics. <i>Physical Review Letters</i> , 2021, 127, 161102.	7.8	17
9	Measuring the smearing of the Galactic 511-keV signal: positron propagation or supernova kicks?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 509, L11-L16.	3.3	8
10	Gamma-ray image reconstruction of the Andromeda galaxy. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012096.	0.4	1
11	Dissecting the inner Galaxy with gamma-ray pixel count statistics. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012093.	0.4	0
12	Investigating the detection of dark matter subhalos as extended sources with Fermi-LAT. <i>Physical Review D</i> , 2020, 102, .	4.7	11
13	Bounds on axionlike particles from the diffuse supernova flux. <i>Physical Review D</i> , 2020, 102, .	4.7	44
14	Fundamental physics with the Square Kilometre Array. <i>Publications of the Astronomical Society of Australia</i> , 2020, 37, .	3.4	179
15	Indirect searches for dark matter bound state formation and level transitions. <i>SciPost Physics</i> , 2020, 9, .	4.9	11
16	Probing the Fermi-LAT GeV Excess with Gravitational Waves. <i>Physical Review Letters</i> , 2019, 122, 081103.	7.8	8
17	Gamma-Ray Sensitivity to Dark Matter Subhalo Modelling at High Latitudes. <i>Galaxies</i> , 2019, 7, 90.	3.0	10
18	Dark matter constraints from dwarf galaxies: a data-driven analysis. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 029-029.	5.4	33

#	ARTICLE	IF	CITATIONS
19	The Fermi-LAT GeV excess as a tracer of stellar mass in the Galactic bulge. <i>Nature Astronomy</i> , 2018, 2, 819-828.	10.1	71
20	A Gaia DR2 search for dwarf galaxies towards Fermi-LAT sources: implications for annihilating dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 2284-2291.	4.4	6
21	Galactic binaries can explain the Fermi Galactic centre excess and 511 keV emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3826-3841.	4.4	17
22	Particle Dark Matter constraints: the effect of Galactic uncertainties. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 007-007.	5.4	48
23	Searches for modulation of gamma-ray spectra in the galactic magnetic field as a signature of photon-ALPs mixing. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
24	SkyFACT: high-dimensional modeling of gamma-ray emission with adaptive templates and penalized likelihoods. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 022-022.	5.4	38
25	Electroweak and Higgs boson internal bremsstrahlung. General considerations for Majorana dark matter annihilation and application to MSSM neutralinos. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	18
26	Realistic estimation for the detectability of dark matter subhalos using Fermi-LAT catalogs. <i>Physical Review D</i> , 2017, 96, .	4.7	26
27	Searching for Primordial Black Holes in the Radio and X-Ray Sky. <i>Physical Review Letters</i> , 2017, 118, 241101.	7.8	114
28	CMB bounds on disk-accreting massive primordial black holes. <i>Physical Review D</i> , 2017, 96, .	4.7	196
29	Understanding uncertainties in modeling the galactic diffuse gamma-ray emission. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
30	Effective field theory of dark matter: a global analysis. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	24
31	Predictions of hydrodynamic simulations for direct dark matter detection. <i>Journal of Physics: Conference Series</i> , 2016, 718, 042007.	0.4	1
32	The Fermi GeV excess: challenges for the dark matter interpretation. <i>Journal of Physics: Conference Series</i> , 2016, 718, 042010.	0.4	1
33	Simulated Milky Way analogues: implications for dark matter direct searches. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 024-024.	5.4	74
34	Global analysis of the pMSSM in light of the Fermi GeV excess: prospects for the LHC Run-II and astroparticle experiments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 037-037.	5.4	48
35	RADIO DETECTION PROSPECTS FOR A BULGE POPULATION OF MILLISECOND PULSARS AS SUGGESTED BY FERMI-LAT OBSERVATIONS OF THE INNER GALAXY. <i>Astrophysical Journal</i> , 2016, 827, 143.	4.5	59
36	Dark matter annihilation radiation in hydrodynamic simulations of Milky Way haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 4442-4451.	4.4	37

#	ARTICLE	IF	CITATIONS
37	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
38	Simulated Milky Way analogues: implications for dark matter indirect searches. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 053-053.	5.4	49
39	Gamma rays from Galactic Pulsars. Nuclear and Particle Physics Proceedings, 2015, 265-266, 236-238.	0.5	1
40	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
41	Background model systematics for the Fermi GeV excess. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 038-038.	5.4	359
42	Significant Enhancement of Neutralino Dark Matter Annihilation from Electroweak Bremsstrahlung. Physical Review Letters, 2014, 112, 071301.	7.8	18
43	Constraining dark matter annihilation with the isotropic $\hat{\Gamma}^3$ -ray background: Updated limits and future potential. Physical Review D, 2014, 89, .	4.7	38
44	$\hat{\Gamma}^3$ -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
45	DIFFUSE $\hat{\Gamma}^3$ -RAY EMISSION FROM GALACTIC PULSARS. Astrophysical Journal, 2014, 796, 14.	4.5	63
46	DIFFUSE $\hat{\Gamma}^3$ -RAY EMISSION FROM MISALIGNED ACTIVE GALACTIC NUCLEI. Astrophysical Journal, 2014, 780, 161.	4.5	108
47	Conservative upper limits on WIMP annihilation cross section from Fermi-LAT $\hat{\Gamma}^3$ -rays. Physical Review D, 2012, 85, .	4.7	20
48	Spectral cutoffs in indirect dark matter searches. Journal of Physics: Conference Series, 2012, 375, 012034.	0.4	1
49	Conservative upper limits on WIMP annihilation cross section from Fermi-LAT $\hat{\Gamma}^3$ -rays. Journal of Physics: Conference Series, 2012, 375, 012039.	0.4	3
50	Relevance of sharp gamma-ray features for indirect dark matter searches. Physical Review D, 2011, 84, .	4.7	47