

Claudio Gatti

List of Publications by Year in descending order

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39
papers

1,058
citations

471509

17
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	SPARC_LAB present and future. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 183-188.	1.4	124
2	Galactic axions search with a superconducting resonant cavity. Physical Review D, 2019, 99, .	4.7	98
3	Axion Search with a Quantum-Limited Ferromagnetic Haloscope. Physical Review Letters, 2020, 124, 171801.	7.8	92
4	Search for invisible axion dark matter of mass $m < \frac{1}{\sqrt{2}} \frac{m_{\text{pl}}}{\sqrt{1 - \frac{m_{\text{pl}}^2}{m^2}}}$ with the QUADEX. $\langle \mathbb{N} \rangle = \frac{1}{\sqrt{2}} \frac{m_{\text{pl}}}{\sqrt{1 - \frac{m_{\text{pl}}^2}{m^2}}}$ Physical Review D, 2021, 103, .	4.7	78
5	Study of the branching ratio and charge asymmetry for the decay $K^+ \rightarrow \pi^0 e^+ \nu_e$. Physical Review D, 2001, 64, 072001.	4.1	66
6	Precise measurement of $\Gamma(K^+ \rightarrow \pi^0 e^+ \nu_e) / \Gamma(K^+ \rightarrow \pi^+ \pi^- \pi^0)$ and $A_{FB}^e(K^+ \rightarrow \pi^0 e^+ \nu_e)$. European Physical Journal C, 2009, 64, 627-636.	4.1	61
7	Precise measurement of $\Gamma(K^+ \rightarrow \pi^0 e^+ \nu_e) / \Gamma(K^+ \rightarrow \pi^+ \pi^- \pi^0)$ and $A_{FB}^e(K^+ \rightarrow \pi^0 e^+ \nu_e)$. European Physical Journal C, 2009, 64, 627-636.	4.1	61
8	Monte Carlo simulation for radiative kaon decays. European Physical Journal C, 2006, 45, 417-420.	3.9	51
9	Operation of a ferromagnetic axion haloscope at $m_a = 58 \mu\text{eV}$. European Physical Journal C, 2018, 78, 1.	3.9	51
10	Measurement of the form-factor slopes for the decay $K^+ \rightarrow \pi^0 e^+ \nu_e$. Physics Letters, 2001, 507, 1-5.	4.1	42
11	Single Photon Counter Based on a Josephson Junction at 14 GHz for Searching Galactic Axions. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	33
12	Measurement of the branching ratio of the decay $K^+ \rightarrow \pi^0 e^+ \nu_e$. Physics Letters, 2001, 507, 1-5.	4.1	25
13	Precise measurement of $\Gamma(K_S^+ \rightarrow \pi^0 e^+ \nu_e) / \Gamma(K_S^+ \rightarrow \pi^+ \pi^- \pi^0)$ with the KLOE detector at DAΦNE. European Physical Journal C, 2006, 48, 767.	3.9	23
14	Status of the SIMP Project: Toward the Single Microwave Photon Detection. Journal of Low Temperature Physics, 2020, 199, 348-354.	1.4	23
15	Microwave Losses in a DC Magnetic Field in Superconducting Cavities for Axion Studies. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	22
16	Realization of a high quality factor resonator with hollow dielectric cylinders for axion searches. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 985, 164641.	1.6	21
17	Determination of $\hat{\Gamma}^+ \rightarrow \pi^0 e^+ \nu_e$ Dalitz plot slopes and asymmetries with the KLOE detector. Journal of High Energy Physics, 2008, 2008, 006-006.	4.7	17
18	Analysis of Josephson junctions switching time distributions for the detection of single microwave photons. Chaos, Solitons and Fractals, 2021, 142, 110496.	5.1	16

#	ARTICLE	IF	CITATIONS
19	Josephson-Based Scheme for the Detection of Microwave Photons. <i>Physical Review Applied</i> , 2021, 16, .	3.8	15
20	Development of highly sensitive nanoscale transition edge sensors for gigahertz astronomy and dark matter search. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	13
21	High quality factor photonic cavity for dark matter axion searches. <i>Review of Scientific Instruments</i> , 2020, 91, 094701.	1.3	12
22	Dark Matter Searches at LNF. <i>Universe</i> , 2021, 7, 236.	2.5	11
23	Proximity Array Device: A Novel Photon Detector Working in Long Wavelengths. <i>Condensed Matter</i> , 2020, 5, 33.	1.8	10
24	Development of a Josephson junction based single photon microwave detector for axion detection experiments. <i>Journal of Physics: Conference Series</i> , 2020, 1559, 012020.	0.4	10
25	Josephson Junctions as Single Microwave Photon Counters: Simulation and Characterization. <i>Instruments</i> , 2021, 5, 25.	1.8	10
26	High-Q Microwave Dielectric Resonator for Axion Dark-Matter Haloscopes. <i>Physical Review Applied</i> , 2022, 17, .	3.8	10
27	Measurement of the $K \rightarrow L \gamma$ form factor parameters with the KLOE detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 666, 305-310.	4.1	8
28	Bimodal Approach for Noise Figures of Merit Evaluation in Quantum-Limited Josephson Traveling Wave Parametric Amplifiers. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-6.	1.7	8
29	Tunable Vortex Dynamics in Proximity Junction Arrays: A Possible Accurate and Sensitive 2D THz Detector. <i>Acta Physica Polonica A</i> , 2020, 137, 17-20.	0.5	7
30	Development of Quantum Limited Superconducting Amplifiers for Advanced Detection. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-5.	1.7	7
31	A cryogenic magneto-optical device for long wavelength radiation. <i>Review of Scientific Instruments</i> , 2020, 91, 075103.	1.3	6
32	Measurement of the $K \rightarrow L \gamma$ form factor parameters with the KLOE detector. <i>Journal of High Energy Physics</i> , 2007, 2007, 105-105.	4.7	5
33	Investigation of Resonant Activation in a Josephson Junction for Axion Search With Microwave Single Photon Detection. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-5.	1.7	5
34	A study of the radiative $K \rightarrow e \gamma$ decay and search for direct photon emission with the KLOE detector. <i>European Physical Journal C</i> , 2008, 55, 539.	3.9	4
35	Measurement of the absolute branching ratios for semileptonic $K \rightarrow e \gamma$ decays with the KLOE detector. <i>Journal of High Energy Physics</i> , 2008, 2008, 098-098.	4.7	4
36	A Novel Particle/Photon Detector Based on a Superconducting Proximity Array of Nanodots. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 359-363.	1.8	2

#	ARTICLE	IF	CITATIONS
37	Impact of Superconductors's Properties on the Measurement Sensitivity of Resonant-Based Axion Detectors. <i>Instruments</i> , 2022, 6, 1.	1.8	1
38	$ V_{us} $ and lepton universality from kaon decays with the KLOE detector. <i>Journal of High Energy Physics</i> , 2008, 2008, 059-059.	4.7	0
39	Boosting Axion Searches with Quantum Sensing. , 2021, , .		0