

Claudio Gatti

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Development of Quantum Limited Superconducting Amplifiers for Advanced Detection. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5. | 1.7 | 7 |
| 2 | Bimodal Approach for Noise Figures of Merit Evaluation in Quantum-Limited Josephson Traveling Wave Parametric Amplifiers. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6. | 1.7 | 8 |
| 3 | Investigation of Resonant Activation in a Josephson Junction for Axion Search With Microwave Single Photon Detection. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5. | 1.7 | 5 |
| 4 | Impact of Superconductorsâ€™ Properties on the Measurement Sensitivity of Resonant-Based Axion Detectors. Instruments, 2022, 6, 1. | 1.8 | 1 |
| 5 | High-Q Microwave Dielectric Resonator for Axion Dark-Matter Haloscopes. Physical Review Applied, 2022, 17, . | 3.8 | 10 |
| 6 | Analysis of Josephson junctions switching time distributions for the detection of single microwave photons. Chaos, Solitons and Fractals, 2021, 142, 110496. | 5.1 | 16 |
| 7 | 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 |
| 8 | Search for invisible axion dark matter of mass $m < m_a < m_{\text{QAX}}$ with the QUAXâ€“ $m < m_a < m_{\text{QAX}}$. Physical Review D, 2021, 103, . | 4.7 | 78 |
| 9 | Dark Matter Searches at LNF. Universe, 2021, 7, 236. | 2.5 | 11 |
| 10 | Josephson Junctions as Single Microwave Photon Counters: Simulation and Characterization. Instruments, 2021, 5, 25. | 1.8 | 10 |
| 11 | Boosting Axion Searches with Quantum Sensing. , 2021, , . | | 0 |
| 12 | Josephson-Based Scheme for the Detection of Microwave Photons. Physical Review Applied, 2021, 16, . | 3.8 | 15 |
| 13 | A cryogenic magneto-optical device for long wavelength radiation. Review of Scientific Instruments, 2020, 91, 075103. | 1.3 | 6 |
| 14 | High quality factor photonic cavity for dark matter axion searches. Review of Scientific Instruments, 2020, 91, 094701. | 1.3 | 12 |
| 15 | Axion Search with a Quantum-Limited Ferromagnetic Haloscope. Physical Review Letters, 2020, 124, 171801. | 7.8 | 92 |
| 16 | Proximity Array Device: A Novel Photon Detector Working in Long Wavelengths. Condensed Matter, 2020, 5, 33. | 1.8 | 10 |
| 17 | Development of a Josephson junction based single photon microwave detector for axion detection experiments. Journal of Physics: Conference Series, 2020, 1559, 012020. | 0.4 | 10 |
| 18 | Status of the SIMP Project: Toward the Single Microwave Photon Detection. Journal of Low Temperature Physics, 2020, 199, 348-354. | 1.4 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Development of highly sensitive nanoscale transition edge sensors for gigahertz astronomy and dark matter search. Journal of Applied Physics, 2020, 128, . | 2.5 | 13 |
| 20 | Tunable Vortex Dynamics in Proximity Junction Arrays: A Possible Accurate and Sensitive 2D THz Detector. Acta Physica Polonica A, 2020, 137, 17-20. | 0.5 | 7 |
| 21 | Galactic axions search with a superconducting resonant cavity. Physical Review D, 2019, 99, . | 4.7 | 98 |
| 22 | 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 |
| 23 | Operation of a ferromagnetic axion haloscope at $m_a = 58 \mu\text{eV}$. European Physical Journal C, 2018, 78, 1. | 3.9 | 51 |
| 24 | 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 |
| 25 | A Novel Particle/Photon Detector Based on a Superconducting Proximity Array of Nanodots. Journal of Superconductivity and Novel Magnetism, 2017, 30, 359-363. | 1.8 | 2 |
| 26 | SPARC_LAB present and future. Nuclear Instruments & Methods in Physics Research B, 2013, 309, 183-188. | 1.4 | 124 |
| 27 | Precise measurement of $\Gamma(K^+ \rightarrow \pi^+ \pi^0) / \Gamma(K^+ \rightarrow \pi^+ \pi^+ \pi^-)$ and $\Gamma(K^+ \rightarrow \pi^+ \pi^0) / \Gamma(K^+ \rightarrow \pi^+ \pi^+ \pi^-)$. European Physical Journal C, 2009, 64, 627-636. | 4.1 | 8 |
| 28 | Measurement of the absolute branching ratio of the $K^+ \rightarrow \pi^+ \pi^0$ decay with the KLOE detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 305-310. | 4.1 | 8 |
| 29 | A study of the radiative $K^+ \rightarrow \pi^+ \pi^0 \gamma$ decay and search for direct photon emission with the KLOE detector. European Physical Journal C, 2008, 55, 539. | 3.9 | 4 |
| 30 | Determination of $\Gamma(K^+ \rightarrow \pi^+ \pi^0) / \Gamma(K^+ \rightarrow \pi^+ \pi^+ \pi^-)$ Dalitz plot slopes and asymmetries with the KLOE detector. Journal of High Energy Physics, 2008, 2008, 006-006. | 4.7 | 17 |
| 31 | $ V_{cs} $ and lepton universality from kaon decays with the KLOE detector. Journal of High Energy Physics, 2008, 2008, 059-059. | 4.7 | 0 |
| 32 | Measurement of the absolute branching ratios for semileptonic $K^+ \rightarrow \pi^+ \ell^+ \nu_\ell$ decays with the KLOE detector. Journal of High Energy Physics, 2008, 2008, 098-098. | 4.7 | 4 |
| 33 | Measurement of the $K^+ \rightarrow \pi^+ \ell^+ \nu_\ell$ form factor parameters with the KLOE detector. Journal of High Energy Physics, 2007, 2007, 105-105. | 4.7 | 5 |
| 34 | Measurement of the branching ratios for the decay $K^+ \rightarrow \pi^+ \pi^0 \gamma$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 657, 305-310. | 4.1 | 42 |
| 35 | Measurement of the branching ratio of the $K^+ \rightarrow \pi^+ \pi^0 \gamma$ decay with the KLOE detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 657, 305-310. | 4.1 | 61 |
| 36 | Measurement of the branching ratio of the $K^+ \rightarrow \pi^+ \pi^0 \gamma$ decay with the KLOE detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 657, 305-310. | 4.1 | 25 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Observation of quantum interference in the process $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tbl="http://www.elsevier.com/xml/commontable/dtd" \rangle$ | 4.1 | 66 |
| 38 | Precise measurement of $\Gamma^*(K_S^0 \rightarrow \pi^+ \pi^- (\pi^3)) / \Gamma^*(K_S^0 \rightarrow \pi^0 \pi^0)$ with the KLOE detector at DAΦNE. European Physical Journal C, 2006, 48, 767. | 3.9 | 23 |
| 39 | Monte Carlo simulation for radiative kaon decays. European Physical Journal C, 2006, 45, 417-420. | 3.9 | 51 |