

Loredana Parlato

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

350
citations

759233

12
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

356
citing authors

#	ARTICLE	IF	CITATIONS
1	Proximity effect in planar superconducting tunnel junctions containing Nb ^a /NiCu superconductor/ferromagnet bilayers. Physical Review B, 2006, 73, .	3.2	33
2	Strong critical current density enhancement in NiCu/NbN superconducting nanostripes for optical detection. Applied Physics Letters, 2010, 97, 092504.	3.3	29
3	Contact-resistance effects in PDI8-CN 2 n-type thin-film transistors investigated by Kelvin-probe potentiometry. Organic Electronics, 2016, 28, 299-305.	2.6	29
4	Quasiparticle energy relaxation times in NbN/CuNi nanostripes from critical velocity measurements. Physical Review B, 2011, 84, .	3.2	27
5	Superconductor to resistive state switching by multiple fluctuation events in NbTiN nanostrips. Scientific Reports, 2019, 9, 8053.	3.3	26
6	Observation of dark pulses in 10 nm thick YBCO nanostrips presenting hysteretic current voltage characteristics. Superconductor Science and Technology, 2017, 30, 12LT02.	3.5	24
7	Layered ferromagnet/superconductor heterostructures: Nonequilibrium quasiparticle dynamics and photodetector applications. Physical Review B, 2008, 78, .	3.2	22
8	Thermal fluctuations in superconductor/ferromagnet nanostripes. Physical Review B, 2015, 92, .	3.2	22
9	Novel superconducting proximized heterostructures for ultrafast photodetection. Cryogenics, 2009, 49, 660-664.	1.7	19
10	Characterization of scalable Josephson memory element containing a strong ferromagnet. Journal of Applied Physics, 2020, 127, .	2.5	19
11	High-resolution optical response of all-oxide YBa ₂ Cu ₃ O _{7-x} thin films. Superconductor Science and Technology, 2013, 26, 075018.	3.2	18
12	Ultrafast quasiparticle relaxation dynamics in high quality epitaxial FeSe _{0.5} Te _{0.5} thin films. Superconductor Science and Technology, 2013, 26, 075018.	3.5	16
13	Single-Molecule Break Junctions Based on a Perylene-Diimide Cyano-Functionalized (PDI8-CN ₂) Derivative. Nanoscale Research Letters, 2015, 10, 1011.	5.7	11
14	The Role of Multiple Fluctuation Events in NbN and NbTiN Superconducting Nanostrip Single-Photon Detectors. Journal of Low Temperature Physics, 2020, 199, 6-11.	1.4	11
15	Inverse magnetic hysteresis of the Josephson supercurrent: Study of the magnetic properties of thin niobium/permalloy $\text{Fe}_{3.2}\text{Al}_{10}$ superconducting nanowire single-photon detectors. Physical Review Applied, 2022, 18, .	3.2	10
16	Activation Energies in MoSi Superconducting Nanowire Single-Photon Detectors. Physical Review Applied, 2022, 18, .	3.8	8
17	Aluminum-ferromagnetic Josephson tunnel junctions for high quality magnetic switching devices. Applied Physics Letters, 2022, 120, .	3.3	6
18	Large Area SNSPD for Lidar Measurements in the Infrared. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Ultrafast Photoresponse of Superconductor/Ferromagnet Nano-Layered Hybrids. IEEE Transactions on Applied Superconductivity, 2009, 19, 376-381.	1.7	3
20	Fabrication and characterization of nanoscale n-channel (PDI8-CN2) organic two-terminal planar devices. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	3
21	Performance of Superconducting Single-Photon Detectors Using NbN/NiCu Nanowires. IEEE Transactions on Applied Superconductivity, 2013, 23, 2201304-2201304.	1.7	2
22	Phase-Slip Phenomena in Proximitized NbN/NiCu Superconducting Nanostripes. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3403-3407.	1.8	2
23	Improving the electrical performance of PDI8-CN2 bottom-gate coplanar organic thin-film transistors. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	2
24	Investigation of the Inverse Magnetic Hysteresis of the Josephson Supercurrent in Magnetic Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
25	Unconventional magnetic hysteresis of the Josephson supercurrent in magnetic Josephson Junctions. , 2021, , .		1