

John Gallop

List of Publications by Year in descending order

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22
papers

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1163117

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16
g-index

22
all docs

22
docs citations

22
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the electrical properties of large-area graphene. 2D Materials, 2017, 4, 042003.	4.4	113
2	Transparent Conducting Graphene Hybrid Films To Improve Electromagnetic Interference (EMI) Shielding Performance of Graphene. ACS Applied Materials & Interfaces, 2017, 9, 34221-34229.	8.0	112
3	SQUIDs: some limits to measurement. Superconductor Science and Technology, 2003, 16, 1575-1582.	3.5	74
4	Sheet Resistance Measurements of Conductive Thin Films: A Comparison of Techniques. Electronics (Switzerland), 2021, 10, 960.	3.1	45
5	Miniature dc SQUID devices for the detection of single atomic spin-flips. Physica C: Superconductivity and Its Applications, 2002, 368, 109-113.	1.2	37
6	Raman Spectroscopy and Kelvin Probe Force Microscopy characteristics of the CVD suspended graphene. Diamond and Related Materials, 2016, 64, 27-33.	3.9	22
7	Electrical Homogeneity Mapping of Epitaxial Graphene on Silicon Carbide. ACS Applied Materials & Interfaces, 2018, 10, 31641-31647.	8.0	20
8	Self-supporting graphene films and their applications. IET Circuits, Devices and Systems, 2015, 9, 420-427.	1.4	9
9	Microwave excitation and readout of nano- and micron scale cantilevers. Applied Surface Science, 2012, 258, 2192-2195.	6.1	8
10	Spatially resolved electrical characterisation of graphene layers by an evanescent field microwave microscope. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 431-434.	2.7	8
11	Microwave method for high-frequency properties of graphene. IET Circuits, Devices and Systems, 2015, 9, 397-402.	1.4	8
12	Readout System for NanoSQUID Sensors Using a SQUID Amplifier. IEEE Transactions on Applied Superconductivity, 2011, 21, 408-411.	1.7	5
13	Investigations of the effect of SiC growth face on graphene thickness uniformity and electronic properties. Surface Topography: Metrology and Properties, 2015, 3, 015001.	1.6	5
14	Near-field microwave excitation and detection of NEMS resonators. , 2012, , .		4
15	Applications of Superconductivity for Implementation of Phase Conjugation in the Microwave Region. Journal of Superconductivity and Novel Magnetism, 2007, 19, 591-598.	1.8	3
16	Investigating the Intrinsic Noise Limit of Dayem Bridge NanoSQUIDs. IEEE Transactions on Applied Superconductivity, 2014, , 1-1.	1.7	3
17	Development of near-field microwave methods for NEMS resonators. , 2013, , .		2
18	A microwave phase conjugating antenna using high temperature superconductors. Superconductor Science and Technology, 2003, 16, 1566-1569.	3.5	1

#	ARTICLE	IF	CITATIONS
19	Multi-functional MEMS/NEMS for nanometrology applications. , 2013, , .		1
20	Frequency readout of nanomechanical graphene drums via a microwave resonator coupling method. , 2014, , .		1
21	Microwaves and low dimension carbon: Characterisation and applications. , 2015, , .		0
22	Niobium Nano-SQUIDs for Inductive Superconducting Transition Edge Detectors. , 2018, , .		0