

Alexander P Zhuravel

List of Publications by Year in descending order

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papers

681
citations

687363

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all docs

28
docs citations

28
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-resolved visualization of radio-frequency standing waves in superconducting spiral resonator for metamaterial applications. Low Temperature Physics, 2022, 48, 104-112.	0.6	1
2	Phase-sensitive imaging of microwave currents in superconductive circuits. Applied Physics Letters, 2019, 114, .	3.3	3
3	Imaging collective behavior in an rf-SQUID metamaterial tuned by DC and RF magnetic fields. Applied Physics Letters, 2019, 114, .	3.3	6
4	Dielectric resonator method for determining gap symmetry of superconductors through anisotropic nonlinear Meissner effect. Review of Scientific Instruments, 2019, 90, 043901.	1.3	8
5	Imaging the paramagnetic nonlinear Meissner effect in nodal gap superconductors. Physical Review B, 2018, 97, .	3.2	9
6	Superconductive Ultracompact Magnetically Coupled Resonator With Twin-Spiral Structure. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	3
7	Laser Scanning Microscopy of superconducting electromagnetic metamaterials. , 2016, , .		0
8	Imaging microwave response of rf-SQUID metasurface in dc magnetic field. , 2016, , .		0
9	Imaging Coherent Response of Superconducting Metasurface. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-3.	1.7	5
10	Electrodynamics of planar Archimedean spiral resonator. Journal of Applied Physics, 2015, 118, .	2.5	14
11	Electrodynamics of a ring-shaped spiral resonator. Journal of Applied Physics, 2014, 115, .	2.5	21
12	Imaging the Anisotropic Nonlinear Meissner Effect in Nodal $YBa_2Cu_3O_{7-\delta}$ Superconductors. Physical Review Letters, 2013, 110, 087002.	3.8	20
13	Ultra-compact superconductive resonator with double-spiral structure. , 2013, , .		1
14	Switching nonlinearity in a superconductor-enhanced metamaterial. Applied Physics Letters, 2012, 100, 121906.	3.3	39
15	Measuring the thickness of few-layer graphene by laser scanning microscopy. , 2012, , .		1
16	Unconventional rf photoresponse from a superconducting spiral resonator. Physical Review B, 2012, 85, .	3.2	22
17	Microscopic examination of hot spots giving rise to nonlinearity in superconducting resonators. Physical Review B, 2011, 84, .	3.2	25
18	Classical Analogue of Electromagnetically Induced Transparency with a Metal-Superconductor Hybrid Metamaterial. Physical Review Letters, 2011, 107, 043901.	7.8	251

#	ARTICLE	IF	CITATIONS
19	Superconducting RF Metamaterials Made With Magnetically Active Planar Spirals. IEEE Transactions on Applied Superconductivity, 2011, 21, 709-712.	1.7	36
20	Spatial and frequency dependencies of local photoresponse of hts strip-line resonator in the regime of two-tone microwave intermodulation excitation. , 2010, , .		0
21	Effect of LaAlO ₃ twin-domain topology on local dc and microwave properties of cuprate films. Journal of Applied Physics, 2010, 108, 033920.	2.5	19
22	A superconducting 180° hybrid ring coupler for circuit quantum electrodynamics. Applied Physics Letters, 2010, 97, .	3.3	20
23	Spatial Correlation of Linear and Nonlinear Electron Transport in a Superconducting Microwave Resonator: Laser Scanning Microscopy Analysis. , 2007, , .		0
24	Tunability of Superconducting Metamaterials. IEEE Transactions on Applied Superconductivity, 2007, 17, 918-921.	1.7	81
25	Imaging of Microscopic Sources of Resistive and Reactive Nonlinearities in Superconducting Microwave Devices. IEEE Transactions on Applied Superconductivity, 2007, 17, 902-905.	1.7	12
26	Microwave Current Imaging in Passive HTS Components by Low-Temperature Laser Scanning Microscopy (LTLSM). Journal of Superconductivity and Novel Magnetism, 2007, 19, 625-632.	1.8	10
27	Laser scanning microscopy of HTS films and devices (Review Article). Low Temperature Physics, 2006, 32, 592-607.	0.6	54
28	Measurement of local reactive and resistive photoresponse of a superconducting microwave device. Applied Physics Letters, 2006, 88, 212503.	3.3	20