# Alexander P Zhuravel

List of Publications by Year
in descending order



| 28 | 681 | 687363 13 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 28 | 28 | 28 | 658 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Classical Analogue of Electromagnetically Induced Transparency with a Metal-Superconductor Hybrid Metamaterial. Physical Review Letters, 2011, 107, 043901. | 7.8 | 251 |
| 2 | Tunability of Superconducting Metamaterials. IEEE Transactions on Applied Superconductivity, 2007, 17, 918-921. | 1.7 | 81 |
| 3 | Laser scanning microscopy of HTS films and devices (Review Article). Low Temperature Physics, 2006, 32, 592-607. | 0.6 | 54 |
| 4 | Switching nonlinearity in a superconductor-enhanced metamaterial. Applied Physics Letters, 2012, 100, 121906. | 3.3 | 39 |
| 5 | Superconducting RF Metamaterials Made With Magnetically Active Planar Spirals. IEEE Transactions on Applied Superconductivity, 2011, 21, 709-712. | 1.7 | 36 |
| 6 | Microscopic examination of hot spots giving rise to nonlinearity in superconducting resonators. Physical Review B, 2011, 84, . | 3.2 | 25 |
| 7 | Unconventional rf photoresponse from a superconducting spiral resonator. Physical Review B, 2012, 85, . | 3.2 | 22 |
| 8 | Electrodynamics of a ring-shaped spiral resonator. Journal of Applied Physics, 2014, 115, . | 2.5 | 21 |
| 9 | Measurement of local reactive and resistive photoresponse of a superconducting microwave device. Applied Physics Letters, 2006, 88, 212503. | 3.3 | 20 |
| 10 | A superconducting 180Â° hybrid ring coupler for circuit quantum electrodynamics. Applied Physics Letters, 2010, 97, . | 3.3 | 20 |
| 11 | Imaging the Anisotropic Nonlinear Meissner Effect in Nodal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â”</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub></mml:math> Superconductors. Physical Review Letters, 2013, 110, 087002. | 7.8 | 20 |
| 12 | Effect of LaAlO3 twin-domain topology on local dc and microwave properties of cuprate films. Journal of Applied Physics, 2010, 108, 033920. | 2.5 | 19 |
| 13 | Electrodynamics of planar Archimedean spiral resonator. Journal of Applied Physics, 2015, 118, . | 2.5 | 14 |
| 14 | 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 |
| 15 | 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 |
| 16 | Imaging the paramagnetic nonlinear Meissner effect in nodal gap superconductors. Physical Review B, 2018, 97, . | 3.2 | 9 |
| 17 | Dielectric resonator method for determining gap symmetry of superconductors through anisotropic nonlinear Meissner effect. Review of Scientific Instruments, 2019, 90, 043901. | 1.3 | 8 |
| 18 | Imaging collective behavior in an rf-SQUID metamaterial tuned by DC and RF magnetic fields. Applied Physics Letters, 2019, 114, . | 3.3 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Imaging Coherent Response of Superconducting Metasurface. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-3. | 1.7 | 5 |
| 20 | Superconductive Ultracompact Magnetically Coupled Resonator With Twin-Spiral Structure. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4. | 1.7 | 3 |
| 21 | Phase-sensitive imaging of microwave currents in superconductive circuits. Applied Physics Letters, 2019, 114, . | 3.3 | 3 |
| 22 | Measuring the thickness of few-layer graphene by laser scanning microscopy. , 2012, , . | | 1 |
| 23 | Ultra-compact superconductive resonator with double-spiral structure. , 2013, , . | | 1 |
| 24 | 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 |
| 25 | Spatial Correlation of Linear and Nonlinear Electron Transport in a Superconducting Microwave Resonator: Laser Scanning Microscopy Analysis. , 2007, , . | | 0 |
| 26 | Spatial and frequency dependencies of local photoresponse of hts strip-line resonator in the regime of two-tone microwave intermodulation excitation. , 2010, , . | | 0 |
| 27 | Laser Scanning Microscopy of superconducting electromagnetic metamaterials. , 2016, , . | | 0 |
| 28 | Imaging microwave response of rf-SQUID metasurface in dc magnetic field. , 2016, , . | | 0 |