

Steven M Anlage

List of Publications by Year in descending order

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202
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times ranked

4669
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Deep-Learning Estimation of Complex Reverberant Wave Fields with a Programmable Metasurface. Physical Review Applied, 2022, 17, . | 1.5 | 7 |
| 2 | Tuning of strong nonlinearity in radio-frequency superconducting-quantum-interference-device meta-atoms. Physical Review E, 2022, 105, 044202. | 0.8 | 0 |
| 3 | Short-wavelength reverberant wave systems for physical realization of reservoir computing. Physical Review Research, 2022, 4, . | 1.3 | 8 |
| 4 | Use of transmission and reflection complex time delays to reveal scattering matrix poles and zeros: Example of the ring graph. Physical Review E, 2022, 105, . | 0.8 | 7 |
| 5 | Microwave Superconductivity. IEEE Journal of Microwaves, 2021, 1, 389-402. | 4.9 | 14 |
| 6 | Anomalous normal fluid response in a chiral superconductor UTe ₂ . Nature Communications, 2021, 12, 2644. | 5.8 | 38 |
| 7 | Generalization of Wigner time delay to subunitary scattering systems. Physical Review E, 2021, 103, L050203. | 0.8 | 20 |
| 8 | Large microwave inductance of granular boron-doped diamond superconducting films. Applied Physics Letters, 2021, 118, . | 1.5 | 5 |
| 9 | Statistics of Complex Wigner Time Delays as a Counter of S -Matrix Poles: Theory and Experiment. Physical Review Letters, 2021, 127, 204101. | 2.9 | 13 |
| 10 | Perfect absorption in complex scattering systems with or without hidden symmetries. Nature Communications, 2020, 11, 5826. | 5.8 | 33 |
| 11 | Time-dependent Ginzburg-Landau treatment of rf magnetic vortices in superconductors: Vortex semiloops in a spatially nonuniform magnetic field. Physical Review E, 2020, 101, 033306. | 0.8 | 15 |
| 12 | Efficient Statistical Model for Predicting Electromagnetic Wave Distribution in Coupled Enclosures. Physical Review Applied, 2020, 14, . | 1.5 | 12 |
| 13 | Microwave applications of photonic topological insulators. Applied Physics Letters, 2020, 116, 250502. | 1.5 | 29 |
| 14 | Wave scattering properties of multiple weakly coupled complex systems. Physical Review E, 2020, 101, 022201. | 0.8 | 9 |
| 15 | Wavefront shaping with a tunable metasurface: Creating cold spots and coherent perfect absorption at arbitrary frequencies. Physical Review Research, 2020, 2, . | 1.3 | 21 |
| 16 | Topologically protected photonic modes in composite quantum Hall/quantum spin Hall waveguides. Physical Review B, 2019, 100, . | 1.1 | 10 |
| 17 | Tunable superconducting Josephson dielectric metamaterial. AIP Advances, 2019, 9, 105320. | 0.6 | 5 |
| 18 | Uniform, Scalable, High-Temperature Microwave Shock for Nanoparticle Synthesis through Defect Engineering. Matter, 2019, 1, 759-769. | 5.0 | 58 |

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| 19 | High-Frequency Nonlinear Response of Superconducting Cavity-Grade Nb Surfaces. Physical Review Applied, 2019, 11, . | 1.5 | 7 |
| 20 | Imaging collective behavior in an rf-SQUID metamaterial tuned by DC and RF magnetic fields. Applied Physics Letters, 2019, 114, . | 1.5 | 6 |
| 21 | Dielectric resonator method for determining gap symmetry of superconductors through anisotropic nonlinear Meissner effect. Review of Scientific Instruments, 2019, 90, 043901. | 0.6 | 8 |
| 22 | Scattering statistics in nonlinear wave chaotic systems. Chaos, 2019, 29, 033113. | 1.0 | 4 |
| 23 | Point-node gap structure of the spin-triplet superconductor UTe_2 . Physical Review B, 2019, 100, . | 0.9 | 6 |
| 24 | Microwave Meissner screening properties of proximity-coupled topological-insulator/superconductor bilayers. Physical Review Materials, 2019, 3, . | 0.9 | 3 |
| 25 | Imaging the paramagnetic nonlinear Meissner effect in nodal gap superconductors. Physical Review B, 2018, 97, . | 1.1 | 9 |
| 26 | Revealing underlying universal wave fluctuations in a scaled ray-chaotic cavity with remote injection. Physical Review E, 2018, 97, 062220. | 0.8 | 7 |
| 27 | Localized GHz frequency electrodynamic behavior of an optimally-doped $\text{Ba}(\text{Fe})_2$. Physical Review B, 2018, 97, 040401. | 0.6 | 4 |
| 28 | Nonlinear wave chaos: statistics of second harmonic fields. Chaos, 2017, 27, 103114. | 1.0 | 6 |
| 29 | Coherent oscillations of driven rf SQUID metamaterials. Physical Review E, 2017, 95, 050201. | 0.8 | 16 |
| 30 | Measurement of scaled complex enclosures for EMI applications. , 2017, , . | | 0 |
| 31 | Laser Scanning Microscopy of superconducting electromagnetic metamaterials. , 2016, , . | | 0 |
| 32 | Intermodulation in nonlinear SQUID metamaterials: Experiment and theory. Physical Review B, 2016, 94, . | 1.1 | 13 |
| 33 | Random coupling model for the radiation of statistical sources inside cavities. , 2016, , . | | 1 |
| 34 | Time reversed electromagnetic wave propagation as a novel method of wireless power transfer. , 2016, , . | | 22 |
| 35 | Selective collapse of nonlinear time reversed electromagnetic waves. , 2016, , . | | 4 |
| 36 | Focusing waves at arbitrary locations in a ray-chaotic enclosure using time-reversed synthetic sonas. Physical Review E, 2016, 93, 052205. | 0.8 | 18 |

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| 37 | Measuring the Complex Optical Conductivity of Graphene by Fabry-Pérot Reflectance Spectroscopy. Scientific Reports, 2016, 6, 34166. | 1.6 | 21 |
| 38 | Exciting reflectionless unidirectional edge modes in a reciprocal photonic topological insulator medium. Physical Review B, 2016, 94, . | 1.1 | 23 |
| 39 | Prediction of Induced Voltages on Ports in Complex, Three-Dimensional Enclosures With Apertures, Using the Random Coupling Model. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 1535-1540. | 1.4 | 16 |
| 40 | Imaging microwave response of rf-SQUID metasurface in dc magnetic field. , 2016, , . | | 0 |
| 41 | A Statistical Model for the Excitation of Cavities Through Apertures. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1049-1061. | 1.4 | 25 |
| 42 | Nanoscale nonlinear radio frequency properties of bulk Nb: Origins of extrinsic nonlinear effects. Physical Review B, 2015, 92, . | 1.1 | 12 |
| 43 | Tunable Broadband Transparency of Macroscopic Quantum Superconducting Metamaterials. Physical Review X, 2015, 5, . | 2.8 | 29 |
| 44 | Understanding electromagnetic properties of complex enclosures by means of wave chaos. , 2015, , . | | 0 |
| 45 | Nonlinear time-reversal in a semi-reverberant complex enclosure. , 2015, , . | | 0 |
| 46 | Tunable Negative Permeability in a Three-Dimensional Superconducting Metamaterial. Physical Review Applied, 2015, 3, . | 1.5 | 10 |
| 47 | Application of the Random Coupling Model to Electromagnetic Statistics in Complex Enclosures. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 1480-1487. | 1.4 | 21 |
| 48 | Random coupling model for wireless communication channels. , 2014, , . | | 1 |
| 49 | Random Coupling Model for interconnected wireless environments. , 2014, , . | | 4 |
| 50 | Nonlinear Electromagnetic Time Reversal in an Open Semireverberant System. Physical Review Applied, 2014, 2, . | 1.5 | 17 |
| 51 | Modeling the nanoscale linear response of superconducting thin films measured by a scanning probe microwave microscope. Journal of Applied Physics, 2014, 115, . | 1.1 | 4 |
| 52 | The effects of non-uniform loss on time reversal mirrors. AIP Advances, 2014, 4, 087138. | 0.6 | 5 |
| 53 | Near-field microwave magnetic nanoscopy of superconducting radio frequency cavity materials. Applied Physics Letters, 2014, 104, . | 1.5 | 11 |
| 54 | Predicting the statistics of wave transport through chaotic cavities by the random coupling model: A review and recent progress. Wave Motion, 2014, 51, 606-621. | 1.0 | 85 |

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| 55 | Progress in superconducting metamaterials. Superconductor Science and Technology, 2014, 27, 073001. | 1.8 | 118 |
| 56 | High-temperature superconducting multi-band radio-frequency metamaterial atoms. Applied Physics Letters, 2013, 102, 013503. | 1.5 | 20 |
| 57 | Nonlinear time reversal of classical waves: Experiment and model. Physical Review E, 2013, 88, 062910. | 0.8 | 20 |
| 58 | Imaging of the Surface Resistance of an SRF Cavity by Low-Temperature Laser Scanning Microscopy. IEEE Transactions on Applied Superconductivity, 2013, 23, 3500506-3500506. | 1.1 | 2 |
| 59 | High-Temperature Superconducting Spiral Resonator for Metamaterial Applications. IEEE Transactions on Applied Superconductivity, 2013, 23, 1500304-1500304. | 1.1 | 16 |
| 60 | Design, fabrication and testing of Superconducting Quantum Interference Device (SQUID) metamaterials. , 2013, , . | | 0 |
| 61 | Nanoscale Electrodynamic Response of Nb Superconductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 7100104-7100104. | 1.1 | 10 |
| 62 | Nonlinear Time Reversal in a Wave Chaotic System. Physical Review Letters, 2013, 110, 063902. | 2.9 | 44 |
| 63 | Imaging the Anisotropic Nonlinear Meissner Effect in Nodal $YBa_2Cu_3O_{7-\delta}$ Superconductors. Physical Review Letters, 2013, 110, 067002. | 2.0 | 20 |
| 64 | Focusing an arbitrary RF pulse at a distance using time-reversal techniques. Journal of Electromagnetic Waves and Applications, 2013, 27, 1262-1275. | 1.0 | 13 |
| 65 | Quantifying volume changing perturbations in a wave chaotic system. New Journal of Physics, 2013, 15, 023025. | 1.2 | 21 |
| 66 | Realization and Modeling of Metamaterials Made of rf Superconducting Quantum-Interference Devices. Physical Review X, 2013, 3, . | 2.8 | 44 |
| 67 | <i>In situ</i> broadband cryogenic calibration for two-port superconducting microwave resonators. Review of Scientific Instruments, 2013, 84, 034706. | 0.6 | 42 |
| 68 | Plasmonic scaling of superconducting metamaterials. Physical Review B, 2013, 88, . | 1.1 | 16 |
| 69 | Switching nonlinearity in a superconductor-enhanced metamaterial. Applied Physics Letters, 2012, 100, 121906. | 1.5 | 39 |
| 70 | First-principles model of time-dependent variations in transmission through a fluctuating scattering environment. Physical Review E, 2012, 85, 015202. | 0.8 | 29 |
| 71 | Measuring the thickness of few-layer graphene by laser scanning microscopy. , 2012, , . | | 1 |
| 72 | Statistical Prediction and Measurement of Induced Voltages on Components Within Complicated Enclosures: A Wave-Chaotic Approach. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 758-771. | 1.4 | 68 |

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| 73 | Nanoscale electrodynamic vortex response of Nb superconductors. , 2012, , . | | 2 |
| 74 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \text{MgB} \langle \text{mml:mi} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{nonlinear} \rangle \rangle \rangle \rangle$ properties investigated under localized high rf magnetic field excitation. Physical Review Special Topics: Accelerators and Beams, 2012, 15, . | 1.8 | 5 |
| 75 | Low temperature laser scanning microscopy of a superconducting radio-frequency cavity. Review of Scientific Instruments, 2012, 83, 034704. | 0.6 | 9 |
| 76 | Broadband cryogenic calibration two-port superconducting resonators. , 2012, , . | | 0 |
| 77 | Modulating Sub-THz Radiation with Current in Superconducting Metamaterial. Physical Review Letters, 2012, 109, 243904. | 2.9 | 85 |
| 78 | Unconventional rf photoresponse from a superconducting spiral resonator. Physical Review B, 2012, 85, . | 1.1 | 22 |
| 79 | Single Carbon Nanotube Schottky Diode Microwave Rectifiers. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2726-2732. | 2.9 | 15 |
| 80 | Nonlinear Near-Field Microwave Microscope for RF Defect Localization in Superconductors. IEEE Transactions on Applied Superconductivity, 2011, 21, 2615-2618. | 1.1 | 13 |
| 81 | Microscopic examination of hot spots giving rise to nonlinearity in superconducting resonators. Physical Review B, 2011, 84, . | 1.1 | 25 |
| 82 | Classical Analogue of Electromagnetically Induced Transparency with a Metal-Superconductor Hybrid Metamaterial. Physical Review Letters, 2011, 107, 043901. | 2.9 | 251 |
| 83 | The physics and applications of superconducting metamaterials. Journal of Optics (United Kingdom), 2011, 13, 024001. | 1.0 | 146 |
| 84 | Superconducting RF Metamaterials Made With Magnetically Active Planar Spirals. IEEE Transactions on Applied Superconductivity, 2011, 21, 709-712. | 1.1 | 36 |
| 85 | Ultrafast linear kinetic inductive photoresponse of YBa ₂ Cu ₃ O _{7-δ} meander-line structures by photoimpedance measurements. Applied Physics Letters, 2011, 98, 081117. | 1.5 | 3 |
| 86 | Universal and nonuniversal properties of wave-chaotic scattering systems. Physical Review E, 2010, 81, 025201. | 0.8 | 30 |
| 87 | Spatial and frequency dependencies of local photoresponse of hts strip-line resonator in the regime of two-tone microwave intermodulation excitation. , 2010, , . | | 0 |
| 88 | Miniaturized superconducting metamaterials for radio frequencies. Applied Physics Letters, 2010, 96, 253504. | 1.5 | 50 |
| 89 | Sensing small changes in a wave chaotic scattering system. Journal of Applied Physics, 2010, 108, 114911. | 1.1 | 18 |
| 90 | Experimental examination of the effect of short ray trajectories in two-port wave-chaotic scattering systems. Physical Review E, 2010, 82, 041114. | 0.8 | 37 |

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| 91 | Effect of LaAlO ₃ twin-domain topology on local dc and microwave properties of cuprate films. Journal of Applied Physics, 2010, 108, 033920. | 1.1 | 19 |
| 92 | Large group delay in a microwave metamaterial analog of electromagnetically induced transparency. Applied Physics Letters, 2010, 97, . | 1.5 | 147 |
| 93 | Universal critical behavior in single crystals and films of $YBa_2Cu_3O_{7-x}$. Physical Review B, 2009, 80, . | 1.1 | 11 |
| 94 | Publisher's Note: Universal critical behavior in single crystals and films of $YBa_2Cu_3O_{7-x}$. Physical Review B, 2009, 80, . | 1.1 | 0 |
| 95 | Phase-sensitive harmonic measurements of microwave nonlinearities in cuprate thin films. Physical Review B, 2009, 80, . | 1.1 | 15 |
| 96 | Sensor based on extending the concept of fidelity to classical waves. Applied Physics Letters, 2009, 95, . | 1.5 | 24 |
| 97 | Why can't experimentalists agree on the superconducting critical exponents?. Physica C: Superconductivity and Its Applications, 2008, 468, 284-287. | 0.6 | 1 |
| 98 | Frequency- and electric-field-dependent conductivity of single-walled carbon nanotube networks of varying density. Physical Review B, 2008, 77, . | 1.1 | 37 |
| 99 | Nanometer-scale material contrast imaging with a near-field microwave microscope. Applied Physics Letters, 2007, 90, 143106. | 1.5 | 54 |
| 100 | Broadband dielectric microwave microscopy on micron length scales. Review of Scientific Instruments, 2007, 78, 044701. | 0.6 | 44 |
| 101 | Local dielectric measurements of BaTiO ₃ /CoFe ₂ O ₄ nanocomposites through microwave microscopy. Journal of Materials Research, 2007, 22, 1193-1199. | 1.2 | 7 |
| 102 | Spatial Correlation of Linear and Nonlinear Electron Transport in a Superconducting Microwave Resonator: Laser Scanning Microscopy Analysis. , 2007, , . | | 0 |
| 103 | Tunability of Superconducting Metamaterials. IEEE Transactions on Applied Superconductivity, 2007, 17, 918-921. | 1.1 | 81 |
| 104 | Imaging of Microscopic Sources of Resistive and Reactive Nonlinearities in Superconducting Microwave Devices. IEEE Transactions on Applied Superconductivity, 2007, 17, 902-905. | 1.1 | 12 |
| 105 | Microwave shielding of transparent and conducting single-walled carbon nanotube films. Applied Physics Letters, 2007, 90, 183119. | 1.5 | 155 |
| 106 | Microwave Current Imaging in Passive HTS Components by Low-Temperature Laser Scanning Microscopy (LTLMS). Journal of Superconductivity and Novel Magnetism, 2007, 19, 625-632. | 0.8 | 10 |
| 107 | Principles of Near-Field Microwave Microscopy. , 2007, , 215-253. | | 150 |
| 108 | Analog Experiments in Quantum Chaos. , 2007, , . | | 0 |

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| 109 | Novel Properties of Superconducting Metamaterials Investigated with Magneto-Optic and Scanning Laser Microscopies. , 2007, , . | | 0 |
| 110 | Laser scanning microscopy of HTS films and devices (Review Article). Low Temperature Physics, 2006, 32, 592-607. | 0.2 | 54 |
| 111 | Universal properties of two-port scattering, impedance, and admittance matrices of wave-chaotic systems. Physical Review E, 2006, 74, 036213. | 0.8 | 52 |
| 112 | Single superconducting split-ring resonator electrostatics. Applied Physics Letters, 2006, 88, 264102. | 1.5 | 47 |
| 113 | Characterization of fluctuations of impedance and scattering matrices in wave chaotic scattering. Physical Review E, 2006, 73, 046208. | 0.8 | 55 |
| 114 | Experimental test of universal conductance fluctuations by means of wave-chaotic microwave cavities. Physical Review B, 2006, 74, . | 1.1 | 33 |
| 115 | Effect of tip geometry on contrast and spatial resolution of the near-field microwave microscope. Journal of Applied Physics, 2006, 100, 044304. | 1.1 | 51 |
| 116 | Measurement of local reactive and resistive photoresponse of a superconducting microwave device. Applied Physics Letters, 2006, 88, 212503. | 1.5 | 20 |
| 117 | Universal statistics of the scattering coefficient of chaotic microwave cavities. Physical Review E, 2005, 71, 056215. | 0.8 | 80 |
| 118 | Doping-dependent nonlinear Meissner effect and spontaneous currents in high-T _c superconductors. Physical Review B, 2005, 71, . | 1.1 | 27 |
| 119 | Microwave nonlinearities of an isolated long YBa ₂ Cu ₃ O _{7-δ} bicrystal grain boundary. Physical Review B, 2005, 72, . | 1.1 | 19 |
| 120 | Universal Impedance Fluctuations in Wave Chaotic Systems. Physical Review Letters, 2005, 94, 014102. | 2.9 | 123 |
| 121 | Near-field microwave microscopy on nanometer length scales. Journal of Applied Physics, 2005, 97, 044302. | 1.1 | 27 |
| 122 | Superconducting metamaterials. Applied Physics Letters, 2005, 87, 034102. | 1.5 | 155 |
| 123 | Doping dependent time-reversal symmetric nonlinearity of YBa ₂ Cu ₃ O _{7-δ} thin films. Physica C: Superconductivity and Its Applications, 2004, 408-410, 324-325. | 0.6 | 1 |
| 124 | Evidence for power-law frequency dependence of intrinsic dielectric response in the CaCu ₃ Ti ₄ O ₁₂ . Physical Review B, 2004, 70, . | 1.1 | 110 |
| 125 | A novel STM-assisted microwave microscope with capacitance and loss imaging capability. Ultramicroscopy, 2003, 94, 209-216. | 0.8 | 57 |
| 126 | Imaging local sources of intermodulation in superconducting microwave devices. IEEE Transactions on Applied Superconductivity, 2003, 13, 340-343. | 1.1 | 18 |

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| 127 | Study of local nonlinear properties using a near-field microwave microscope. IEEE Transactions on Applied Superconductivity, 2003, 13, 3594-3597. | 1.1 | 11 |
| 128 | Unified model and reverse recovery nonlinearities of the driven diode resonator. Physical Review E, 2003, 68, 026201. | 0.8 | 24 |
| 129 | Near-field microwave microscope with improved sensitivity and spatial resolution. Review of Scientific Instruments, 2003, 74, 3167-3170. | 0.6 | 26 |
| 130 | Spatially-resolved nonlinearity measurements of YBa ₂ Cu ₃ O _{7-δ} bicrystal grain boundaries. Applied Physics Letters, 2003, 82, 1893-1895. | 1.5 | 27 |
| 131 | Influence of LaAlO ₃ surface topography on rf current distribution in superconducting microwave devices. Applied Physics Letters, 2002, 81, 4979-4981. | 1.5 | 28 |
| 132 | Near-Field Microwave Microscopy of Materials Properties. , 2001, , 239-269. | | 33 |
| 133 | Microwave frequency ferroelectric domain imaging of deuterated triglycine sulfate crystals. Journal of Applied Physics, 2001, 89, 2314-2321. | 1.1 | 15 |
| 134 | Low-loss YBa ₂ Cu ₃ O ₇ films on flexible, polycrystalline-yttria-stabilized zirconia tapes for cryoelectronic applications. Applied Physics Letters, 2001, 78, 1888-1890. | 1.5 | 11 |
| 135 | High Temperature Superconducting Radio Frequency Coils for NMR Spectroscopy and Magnetic Resonance Imaging. , 2001, , 337-352. | | 9 |
| 136 | Measurement of the absolute penetration depth and surface resistance of superconductors and normal metals with the variable spacing parallel plate resonator. Review of Scientific Instruments, 2000, 71, 2136-2146. | 0.6 | 22 |
| 137 | Microwave electrodynamics of the electron-doped cuprate superconductors Pr _{2-x} Ce _x CuO _{4-y} and Nd _{2-x} Ce _x CuO _{4-y} . Physica C: Superconductivity and Its Applications, 2000, 341-348, 1655-1658. | 0.6 | 2 |
| 138 | Microwave Electrodynamics of low TC and high TC Systems with Coexisting Superconductivity and Magnetism. International Journal of Modern Physics B, 2000, 14, 2920-2925. | 1.0 | 1 |
| 139 | Magnetic permeability imaging of metals with a scanning near-field microwave microscope. Applied Physics Letters, 2000, 77, 4404-4406. | 1.5 | 45 |
| 140 | Microwave Electrodynamics of Electron-Doped Cuprate Superconductors. Physical Review Letters, 2000, 85, 3696-3699. | 2.9 | 117 |
| 141 | Measurement of Wave Chaotic Eigenfunctions in the Time-Reversal Symmetry-Breaking Crossover Regime. Physical Review Letters, 2000, 85, 2482-2485. | 2.9 | 26 |
| 142 | Quantitative imaging of dielectric permittivity and tunability with a near-field scanning microwave microscope. Review of Scientific Instruments, 2000, 71, 2751-2758. | 0.6 | 75 |
| 143 | Determination of the magnetization scaling exponent for single-crystal La _{0.8} Sr _{0.2} MnO ₃ by broadband microwave surface impedance measurements. Physical Review B, 2000, 61, R870-R873. | 1.1 | 82 |
| 144 | Microwave surface impedance of proximity-coupled superconducting (Nb)/spin-glass (CuMn) bilayers. Physical Review B, 1999, 59, 4455-4462. | 1.1 | 17 |

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| 145 | Superconducting material diagnostics using a scanning near-field microwave microscope. IEEE Transactions on Applied Superconductivity, 1999, 9, 4127-4132. | 1.1 | 16 |
| 146 | Imaging microwave electric fields using a near-field scanning microwave microscope. Applied Physics Letters, 1999, 74, 156-158. | 1.5 | 62 |
| 147 | Imaging of microwave permittivity, tunability, and damage recovery in (Ba,â€ŠSr)TiO ₃ thin films. Applied Physics Letters, 1999, 75, 3180-3182. | 1.5 | 86 |
| 148 | Imaging of microwave intermodulation fields in a superconducting microstrip resonator. Applied Physics Letters, 1999, 75, 2824-2826. | 1.5 | 21 |
| 149 | Measurement of the absolute penetration depth and surface resistance of superconductors using the variable spacing parallel plate resonator. IEEE Transactions on Applied Superconductivity, 1999, 9, 2179-2182. | 1.1 | 9 |
| 150 | Microwave Nonlinearities in High-T _c Superconductors: The Truth Is out There. Journal of Superconductivity and Novel Magnetism, 1999, 12, 353-362. | 0.5 | 24 |
| 151 | Near-Field Scanning Microwave Microscopy of Superconducting Materials and Devices. , 1999, , 1079-1084. | | 3 |
| 152 | Scanned perturbation technique for imaging electromagnetic standing wave patterns of microwave cavities. Review of Scientific Instruments, 1998, 69, 3410-3417. | 0.6 | 33 |
| 153 | Measurement of resonant frequency and quality factor of microwave resonators: Comparison of methods. Journal of Applied Physics, 1998, 84, 3392-3402. | 1.1 | 205 |
| 154 | Quantitative topographic imaging using a near-field scanning microwave microscope. Applied Physics Letters, 1998, 72, 1778-1780. | 1.5 | 34 |
| 155 | Probability Amplitude Fluctuations in Experimental Wave Chaotic Eigenmodes with and Without Time-Reversal Symmetry. Physical Review Letters, 1998, 81, 2890-2893. | 2.9 | 49 |
| 156 | Microwave near-field imaging of electric fields in a superconducting microstrip resonator. Applied Physics Letters, 1998, 73, 2491-2493. | 1.5 | 22 |
| 157 | Quantitative imaging of sheet resistance with a scanning near-field microwave microscope. Applied Physics Letters, 1998, 72, 861-863. | 1.5 | 109 |
| 158 | Surface resistance imaging with a scanning near-field microwave microscope. Applied Physics Letters, 1997, 71, 1736-1738. | 1.5 | 89 |
| 159 | Measurements of the Frequency Dependent Microwave Fluctuation Conductivity of Cuprate Thin Film Superconductors. , 1997, , 151-178. | | 4 |
| 160 | Temperature dependence of the microwave conductivity near T _c in YBa ₂ Cu ₃ O _{7-δ} thin films. European Physical Journal D, 1996, 46, 1399-1400. | 0.4 | 0 |
| 161 | Fluctuations in the microwave conductivity of YBa ₂ Cu ₃ O _{7-δ} single crystals in zero dc magnetic field. Physical Review B, 1996, 53, 2792-2796. | 1.1 | 47 |
| 162 | Complex conductivity of proximity-superconducting Nb/Cu bilayers. Physical Review B, 1996, 54, 3508-3513. | 1.1 | 19 |

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| 163 | Surface impedance of YBa ₂ Cu ₃ O ₇ /Y _{0.6} Pr _{0.4} Ba ₂ Cu ₃ O ₇ bilayers: Possible evidence for the proximity effect. <i>Physical Review B</i> , 1996, 54, 15513-15517. | 1.1 | 3 |
| 164 | Large Dynamical Fluctuations in the Microwave Conductivity of YBa ₂ Cu ₃ O ₇ above T _c . <i>Physical Review Letters</i> , 1996, 77, 4438-4441. | 2.9 | 62 |
| 165 | <title>Direct observation of microscopic inhomogeneities in high-T _c superconductors using energy-dispersive diffraction of synchrotron-produced x-rays</title>. , 1995, 2516, 160. | | 3 |
| 166 | Pairing symmetry and electrodynamics of superconducting YBa ₂ Cu ₃ O ₇ ??, Nd _{1.85} Ce _{0.15} CuO ₄ , and Nb. <i>Journal of Superconductivity and Novel Magnetism</i> , 1995, 8, 743-748. | 0.5 | 3 |
| 167 | Wave Chaos Experiments with and without Time Reversal Symmetry: GUE and GOE Statistics. <i>Physical Review Letters</i> , 1995, 74, 2662-2665. | 2.9 | 157 |
| 168 | Anisotropic surface impedance of YBa ₂ Cu ₃ O ₇ single crystals. <i>Physical Review B</i> , 1995, 51, 3316-3319. | 1.1 | 94 |
| 169 | Microwave surface impedance of proximity-coupled Nb/Al bilayer films. <i>Physical Review B</i> , 1995, 52, 4477-4480. | 1.1 | 22 |
| 170 | Consequences of d-wave superconductivity for high frequency applications of cuprate superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , 1995, 5, 1997-2000. | 1.1 | 15 |
| 171 | Frequency and Field Variation of Vortex Dynamics in YBa ₂ Cu ₃ O ₇ . <i>Physical Review Letters</i> , 1995, 75, 525-528. | 2.9 | 58 |
| 172 | Superconducting Nd _{1.85} /Ce _{0.15} /CuO ₄ /thin films and heterostructures on sapphire. <i>IEEE Transactions on Applied Superconductivity</i> , 1995, 5, 1347-1350. | 1.1 | 1 |
| 173 | Penetration depth, microwave surface resistance, and gap ratio in NbN and Ba _{1-x} K _x BiO ₃ thin films. <i>Applied Physics Letters</i> , 1994, 64, 244-246. | 1.5 | 39 |
| 174 | A broadband method for the measurement of the surface impedance of thin films at microwave frequencies. <i>Review of Scientific Instruments</i> , 1994, 65, 2082-2090. | 0.6 | 109 |
| 175 | dc electric field effect on the microwave properties of YBa ₂ Cu ₃ O ₇ /SrTiO ₃ layered structures. <i>Journal of Applied Physics</i> , 1994, 76, 2937-2950. | 1.1 | 23 |
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