# Alexander Tselev

List of Publications by Year
in descending order



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|---|---|---|---|
| 137 papers | 4,842 citations | 94381 37 h-index | 106281 65 g-index |
| 143 all docs | 143 docs citations | 143 times ranked | 6250 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Selective Growth of Well-Aligned Semiconducting Single-Walled Carbon Nanotubes. Nano Letters, 2009, 9, 800-805. | 4.5 | 426 |
| 2 | Real Space Mapping of Li-Ion Transport in Amorphous Si Anodes with Nanometer Resolution. Nano Letters, 2010, 10, 3420-3425. | 4.5 | 232 |
| 3 | Differentiating Ferroelectric and Nonferroelectric Electromechanical Effects with Scanning Probe Microscopy. ACS Nano, 2015, 9, 6484-6492. | 7.3 | 231 |
| 4 | Mechanism of NO2 detection in carbon nanotube field effect transistor chemical sensors. Applied Physics Letters, 2006, 88, 123112. | 1.5 | 158 |
| 5 | Symmetry Relationship and Strain-Induced Transitions between Insulating M1 and M2 and Metallic R phases of Vanadium Dioxide. Nano Letters, 2010, 10, 4409-4416. | 4.5 | 149 |
| 6 | Doping-Based Stabilization of the M2 Phase in Free-Standing VO<sub>2</sub> Nanostructures at Room Temperature. Nano Letters, 2012, 12, 6198-6205. | 4.5 | 145 |
| 7 | Nanoscale Ferroelectricity in Crystalline Î³â€Glycine. Advanced Functional Materials, 2012, 22, 2996-3003. | 7.8 | 119 |
| 8 | Evidence for power-law frequency dependence of intrinsic dielectric response in theCaCu3Ti4O12. Physical Review B, 2004, 70, . | 1.1 | 110 |
| 9 | The Role of Electrochemical Phenomena in Scanning Probe Microscopy of Ferroelectric Thin Films. ACS Nano, 2011, 5, 5683-5691. | 7.3 | 109 |
| 10 | Interplay between Ferroelastic and Metalâ"Insulator Phase Transitions in Strained Quasi-Two-Dimensional VO<sub>2</sub> Nanoplatelets. Nano Letters, 2010, 10, 2003-2011. | 4.5 | 101 |
| 11 | Interplay of Octahedral Tilts and Polar Order in BiFeO<sub>3</sub> Films. Advanced Materials, 2013, 25, 2497-2504. | 11.1 | 101 |
| 12 | Tracking ion intercalation into layered Ti<sub>3</sub>C<sub>2</sub> MXene films across length scales. Energy and Environmental Science, 2020, 13, 2549-2558. | 15.6 | 100 |
| 13 | Probing charge screening dynamics and electrochemical processes at the solidâ€"liquid interface with electrochemical force microscopy. Nature Communications, 2014, 5, 3871. | 5.8 | 97 |
| 14 | Quantification of surface displacements and electromechanical phenomena via dynamic atomic force microscopy. Nanotechnology, 2016, 27, 425707. | 1.3 | 92 |
| 15 | Microwave a.c. conductivity of domain walls in ferroelectric thin films. Nature Communications, 2016, 7, 11630. | 5.8 | 81 |
| 16 | Big data and deep data in scanning and electron microscopies: deriving functionality from multidimensional data sets. Advanced Structural and Chemical Imaging, 2015, 1, 6. | 4.0 | 74 |
| 17 | Li-ion dynamics and reactivity on the nanoscale. Materials Today, 2011, 14, 548-558. | 8.3 | 73 |
| 18 | Atomicâ€Level Sculpting of Crystalline Oxides: Toward Bulk Nanofabrication with Single Atomic Plane Precision. Small, 2015, 11, 5895-5900. | 5.2 | 73 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Dimensionality Controlled Octahedral Symmetry-Mismatch and Functionalities in Epitaxial LaCoO<sub>3</sub>/SrTiO<sub>3</sub> Heterostructures. Nano Letters, 2015, 15, 4677-4684. | 4.5 | 71 |
| 20 | Nonlinear Phenomena in Multiferroic Nanocapacitors: Joule Heating and Electromechanical Effects. ACS Nano, 2011, 5, 9104-9112. | 7.3 | 69 |
| 21 | Mesoscopic Metalâ^'Insulator Transition at Ferroelastic Domain Walls in VO<sub>2</sub>. ACS Nano, 2010, 4, 4412-4419. | 7.3 | 68 |
| 22 | Open loop Kelvin probe force microscopy with single and multi-frequency excitation. Nanotechnology, 2013, 24, 475702. | 1.3 | 63 |
| 23 | Magnetically Induced Field Effect in Carbon Nanotube Devices. Nano Letters, 2007, 7, 960-964. | 4.5 | 62 |
| 24 | Direct Mapping of Ionic Transport in a Si Anode on the Nanoscale: Time Domain Electrochemical Strain Spectroscopy Study. ACS Nano, 2011, 5, 9682-9695. | 7.3 | 61 |
| 25 | Current and surface charge modified hysteresis loops in ferroelectric thin films. Journal of Applied Physics, 2015, 118, . | 1.1 | 60 |
| 26 | Cross-beam pulsed laser deposition: General characteristic. Review of Scientific Instruments, 2001, 72, 2665-2672. | 0.6 | 53 |
| 27 | Electromechanical Actuation and Current-Induced Metastable States in Suspended Single-Crystalline VO<sub>2</sub> Nanoplatelets. Nano Letters, 2011, 11, 3065-3073. | 4.5 | 53 |
| 28 | Near-field microwave scanning probe imaging of conductivity inhomogeneities in CVD graphene. Nanotechnology, 2012, 23, 385706. | 1.3 | 51 |
| 29 | Dual harmonic Kelvin probe force microscopy at the grapheneâ€“liquid interface. Applied Physics Letters, 2014, 104, . | 1.5 | 50 |
| 30 | Seeing through Walls at the Nanoscale: Microwave Microscopy of Enclosed Objects and Processes in Liquids. ACS Nano, 2016, 10, 3562-3570. | 7.3 | 47 |
| 31 | Giant negative electrostriction and dielectric tunability in a van der Waals layered ferroelectric. Physical Review Materials, 2019, 3, . | 0.9 | 47 |
| 32 | Broadband dielectric microwave microscopy on micron length scales. Review of Scientific Instruments, 2007, 78, 044701. | 0.6 | 44 |
| 33 | Electrostrictive and electrostatic responses in contact mode voltage modulated scanning probe microscopies. Applied Physics Letters, 2014, 104, 232901. | 1.5 | 44 |
| 34 | Origins of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^•</mml:mo><mml:mi>f</mml:mi></mml:mrow></mml:math> noise in individual semiconducting carbon nanotube field-effect transistors. Physical Review B, 2008, 77, . | 1.1 | 43 |
| 35 | Giant elastic tunability in strained BiFeO3 near an electrically induced phase transition. Nature Communications, 2015, 6, 8985. | 5.8 | 43 |
| 36 | Quantification of in-contact probe-sample electrostatic forces with dynamic atomic force microscopy. Nanotechnology, 2017, 28, 065704. | 1.3 | 43 |

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| 37 | Freeâ€Standing Ferroelectric Nanotubes Processed via Softâ€Template Infiltration. Advanced Materials, 2012, 24, 1160-1165. | 11.1 | 38 |
| 38 | Kelvin probe force microscopy in liquid using electrochemical force microscopy. Beilstein Journal of Nanotechnology, 2015, 6, 201-214. | 1.5 | 38 |
| 39 | Microwave Impedance Spectroscopy of Dense Carbon Nanotube Bundles. Nano Letters, 2008, 8, 152-156. | 4.5 | 37 |
| 40 | Probing Local Bias-Induced Transitions Using Photothermal Excitation Contact Resonance Atomic Force Microscopy and Voltage Spectroscopy. ACS Nano, 2015, 9, 1848-1857. | 7.3 | 37 |
| 41 | Big data in reciprocal space: Sliding fast Fourier transforms for determining periodicity. Applied Physics Letters, 2015, 106, . | 1.5 | 35 |
| 42 | In situ X-ray microdiffraction studies inside individual VO2 microcrystals. Acta Materialia, 2013, 61, 2751-2762. | 3.8 | 34 |
| 43 | Big-Data Reflection High Energy Electron Diffraction Analysis for Understanding Epitaxial Film Growth Processes. ACS Nano, 2014, 8, 10899-10908. | 7.3 | 34 |
| 44 | Mapping internal structure of coal by confocal micro-Raman spectroscopy and scanning microwave microscopy. Fuel, 2014, 126, 32-37. | 3.4 | 34 |
| 45 | A photolithographic process for fabrication of devices with isolated single-walled carbon nanotubes. Nanotechnology, 2004, 15, 1475-1478. | 1.3 | 33 |
| 46 | High-resolution dielectric characterization of minerals: A step towards understanding the basic interactions between microwaves and rocks. International Journal of Mineral Processing, 2016, 151, 8-21. | 2.6 | 31 |
| 47 | Piezoresponse amplitude and phase quantified for electromechanical characterization. Journal of Applied Physics, 2020, 128, . | 1.1 | 31 |
| 48 | Nanometer-scale mapping of irreversible electrochemical nucleation processes on solid Li-ion electrolytes. Scientific Reports, 2013, 3, 1621. | 1.6 | 29 |
| 49 | Nonlinear space charge dynamics in mixed ionic-electronic conductors: Resistive switching and ferroelectric-like hysteresis of electromechanical response. Journal of Applied Physics, 2014, 116, 066808. | 1.1 | 29 |
| 50 | Defect thermodynamics and kinetics in thin strained ferroelectric films: The interplay of possible mechanisms. Physical Review B, 2014, 89, . | 1.1 | 28 |
| 51 | Acoustic Detection of Phase Transitions at the Nanoscale. Advanced Functional Materials, 2016, 26, 478-486. | 7.8 | 28 |
| 52 | Features of the film-growth conditions by cross-beam pulsed-laser deposition. Applied Physics A: Materials Science and Processing, 1999, 69, 353-358. | 1.1 | 27 |
| 53 | Humidity Effect on Nanoscale Electrochemistry in Solid Silver Ion Conductors and the Dual Nature of Its Locality. Nano Letters, 2015, 15, 1062-1069. | 4.5 | 27 |
| 54 | Surface Control of Epitaxial Manganite Films via Oxygen Pressure. ACS Nano, 2015, 9, 4316-4327. | 7.3 | 27 |

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|---|---|---|---|
| 55 | Near-field microwave microscope with improved sensitivity and spatial resolution. Review of Scientific Instruments, 2003, 74, 3167-3170. | 0.6 | 26 |
| 56 | Spatially Resolved Mapping of Oxygen Reduction/Evolution Reaction on Solid-Oxide Fuel Cell Cathodes with Sub-10 nm Resolution. ACS Nano, 2013, 7, 3808-3814. | 7.3 | 25 |
| 57 | Nanoscale Mapping of the Double Layer Potential at the Grapheneâ€"Electrolyte Interface. Nano Letters, 2020, 20, 1336-1344. | 4.5 | 25 |
| 58 | Scanning Nearâ€Field Microwave Microscopy of VO<sub>2</sub> and Chemical Vapor Deposition Graphene. Advanced Functional Materials, 2013, 23, 2635-2645. | 7.8 | 24 |
| 59 | Learning from Imperfections: Predicting Structure and Thermodynamics from Atomic Imaging of Fluctuations. ACS Nano, 2019, 13, 718-727. | 7.3 | 24 |
| 60 | Nanoscale Lubrication of Ionic Surfaces Controlled via a Strong Electric Field. Scientific Reports, 2015, 5, 8049. | 1.6 | 23 |
| 61 | Structural investigations of laser-deposited Fe/Al multilayers. Applied Physics A: Materials Science and Processing, 1999, 68, 497-503. | 1.1 | 22 |
| 62 | Self-consistent modeling of electrochemical strain microscopy of solid electrolytes. Nanotechnology, 2014, 25, 445701. | 1.3 | 22 |
| 63 | An atomic force microscopy mode for nondestructive electromechanical studies and its application to diphenylalanine peptide nanotubes. Ultramicroscopy, 2018, 185, 49-54. | 0.8 | 22 |
| 64 | Zero-bias anomaly and possible superconductivity in single-walled carbon nanotubes. Physical Review B, 2006, 74, . | 1.1 | 21 |
| 65 | A self-forming nanocomposite concept for ZnO-based thermoelectrics. Journal of Materials Chemistry A, 2018, 6, 13386-13396. | 5.2 | 21 |
| 66 | X-ray investigation of metastable crystalline phases in co-deposited Feâ€"Cr alloy nanometer films. Journal of Alloys and Compounds, 2002, 334, 159-166. | 2.8 | 19 |
| 67 | Toward Quantitative Electrochemical Measurements on the Nanoscale by Scanning Probe Microscopy: Environmental and Current Spreading Effects. ACS Nano, 2013, 7, 8175-8182. | 7.3 | 19 |
| 68 | Oxygen Control of Atomic Structure and Physical Properties of SrRuO3 Surfaces. ACS Nano, 2013, 7, 4403-4413. | 7.3 | 19 |
| 69 | Breaking the limits of structural and mechanical imaging of the heterogeneous structure of coal macerals. Nanotechnology, 2014, 25, 435402. | 1.3 | 19 |
| 70 | Polarization Control via He-Ion Beam Induced Nanofabrication in Layered Ferroelectric Semiconductors. ACS Applied Materials & Interfaces, 2016, 8, 7349-7355. | 4.0 | 19 |
| 71 | Electromechanical properties of electrostrictive CeO2:Gd membranes: Effects of frequency and temperature. Applied Physics Letters, 2017, 110, . | 1.5 | 19 |
| 72 | Comparative study of interfaces of Feâ€"Al multilayers prepared by direct and crossed-beam pulsed laser deposition. Thin Solid Films, 2001, 391, 47-56. | 0.8 | 18 |

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| 73 | Structural and magnetic phase transformation in metastable Feâ€“Cr alloys induced by ion irradiation. Journal of Applied Physics, 2002, 92, 572-577. | 1.1 | 18 |
| 74 | Ion transport and softening in a polymerized ionic liquid. Nanoscale, 2015, 7, 947-955. | 2.8 | 18 |
| 75 | Atomic-scale electrochemistry on the surface of a manganite by scanning tunneling microscopy. Applied Physics Letters, 2015, 106, . | 1.5 | 17 |
| 76 | Selective patterning of out-of-plane piezoelectricity in MoTe2 via focused ion beam. Nano Energy, 2021, 79, 105451. | 8.2 | 17 |
| 77 | Fabrication of magnetic nanostructures by direct laser interference lithography on supersaturated metal mixtures. Applied Physics A: Materials Science and Processing, 1999, 69, S819-S822. | 1.1 | 15 |
| 78 | Carbon nanotubes as nanoscale probes of the superconducting proximity effect in Pd-Nb junctions. Physical Review B, 2009, 80, . | 1.1 | 15 |
| 79 | The search for superconductivity at van Hove singularities in carbon nanotubes. Superconductor Science and Technology, 2012, 25, 124005. | 1.8 | 15 |
| 80 | Statics and dynamics of ferroelectric domains in molecular multiaxial ferroelectric (Me<sub>3</sub>NOH)<sub>2</sub>[KCo(CN)<sub>6</sub>]. Journal of Materials Chemistry C, 2021, 9, 10741-10748. | 2.7 | 15 |
| 81 | Magneto-optical properties of Coâ€“Pd alloy films with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 1998, 185, 258-264. | 1.0 | 14 |
| 82 | Probing Local Electromechanical Effects in Highly Conductive Electrolytes. ACS Nano, 2012, 6, 10139-10146. | 7.3 | 14 |
| 83 | In Aqua Electrochemistry Probed by XPEEM: Experimental Setup, Examples, and Challenges. Topics in Catalysis, 2018, 61, 2195-2206. | 1.3 | 14 |
| 84 | Coâ€“Pd alloy films for magneto-optical recording. Journal of Magnetism and Magnetic Materials, 1999, 193, 174-176. | 1.0 | 13 |
| 85 | Formation of unusual intermetallic phases by vacuum PLD. Applied Surface Science, 2002, 197-198, 475-480. | 3.1 | 13 |
| 86 | Controlled Nanopatterning of a Polymerized Ionic Liquid in a Strong Electric Field. Advanced Functional Materials, 2015, 25, 805-811. | 7.8 | 13 |
| 87 | Growth Mode Transition in Complex Oxide Heteroepitaxy: Atomically Resolved Studies. Crystal Growth and Design, 2016, 16, 2708-2716. | 1.4 | 13 |
| 88 | Near-field microwave microscopy of high-Îº oxides grown on graphene with an organic seeding layer. Applied Physics Letters, 2013, 103, . | 1.5 | 12 |
| 89 | Thermally stimulated crystalline phase transformations in metastable Feâ€“Cr alloy films prepared by pulsed laser deposition. Journal of Alloys and Compounds, 2002, 347, 171-177. | 2.8 | 11 |
| 90 | Spatially-resolved mapping of history-dependent coupled electrochemical and electronical behaviors of electroresistive NiO. Scientific Reports, 2014, 4, 6725. | 1.6 | 11 |

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| 91 | Correlative Confocal Raman and Scanning Probe Microscopy in the Ionically Active Particles of LiMn2O4 Cathodes. Materials, 2019, 12, 1416. | 1.3 | 11 |
| 92 | Thermally stimulated solid state reactions in Feâ€“Al multilayers prepared by pulsed laser deposition. Journal of Alloys and Compounds, 2001, 320, 114-125. | 2.8 | 10 |
| 93 | Spatio-energetical characteristics of laser plasma in cross-beam pulsed laser deposition. Applied Surface Science, 1999, 138-139, 12-16. | 3.1 | 8 |
| 94 | <title>Cross-beam pulsed laser deposition of ultrathin multilayer metal films</title>. , 1999, , . | | 8 |
| 95 | Synthesis and frequency-dependent dielectric properties of epitaxial La<sub>1.875</sub>Sr<sub>0.125</sub>NiO<sub>4</sub> thin films. Journal Physics D: Applied Physics, 2012, 45, 305302. | 1.3 | 8 |
| 96 | Effects of lateral and substrate constraint on the piezoresponse of ferroelectric nanostructures. Applied Physics Letters, 2012, 101, 112901. | 1.5 | 8 |
| 97 | The Ehrlichâ€“Schwoebel barrier on an oxide surface: a combined Monte-Carlo andin situscanning tunneling microscopy approach. Nanotechnology, 2015, 26, 455705. | 1.3 | 8 |
| 98 | Local coexistence of VO2 phases revealed by deep data analysis. Scientific Reports, 2016, 6, 29216. | 1.6 | 8 |
| 99 | Mn-Doped BaTiO3Ceramics: Thermal and Electrical Properties for Multicaloric Applications. Materials, 2019, 12, 3592. | 1.3 | 8 |
| 100 | Quantitative Nanometerâ€Scale Mapping of Dielectric Tunability. Advanced Materials Interfaces, 2015, 2, 1500088. | 1.9 | 7 |
| 101 | Surface reconstructions and modified surface states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Mn</mml:mi><mml:msub><mml:mi | 0.9 | 7 |
| 102 | Structure of Laser-Deposited Fe/Al Multilayers. Materials Science Forum, 1998, 287-288, 455-458. | 0.3 | 6 |
| 103 | Effect of silver doping on the surface of La5/8Ca3/8MnO3 epitaxial films. Applied Physics Letters, 2014, 105, . | 1.5 | 6 |
| 104 | In-situ near-field probe microscopy of plasma processing. Applied Physics Letters, 2018, 113, 263101. | 1.5 | 6 |
| 105 | Local electromechanical response in doped ceria: Rigorous analysis of the phase and amplitude. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 1478-1485. | 1.8 | 6 |
| 106 | Near-Field Microwave Microscopy: Subsurface Imaging for In Situ Characterization. IEEE Microwave Magazine, 2020, 21, 72-86. | 0.7 | 6 |
| 107 | Local electronic transport across probe/ionic conductor interface in scanning probe microscopy. Ultramicroscopy, 2021, 220, 113147. | 0.8 | 6 |
| 108 | Exploring Charged Defects in Ferroelectrics by the Switching Spectroscopy Piezoresponse Force Microscopy. Small Methods, 2022, 6, 2101289. | 4.6 | 6 |

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| 109 | Exploring the magnetically induced field effect in carbon nanotube-based devices. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1010-1013. | 1.3 | 5 |
| 110 | Tunable Microwave Conductance of Nanodomains in Ferroelectric PbZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> Thin Film. Advanced Electronic Materials, 2022, 8, 2100952. | 2.6 | 5 |
| 111 | Graphene etching by a Near-Field Scanning Microwave Microscope. , 2013, , . | | 4 |
| 112 | Transition layers in metal bilayers produced by pulsed laser deposition in vacuum. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1557-1565. | 0.9 | 3 |
| 113 | Near field microwave microscopy for nanoscale characterization, imaging and patterning of graphene. , 2014, , . | | 3 |
| 114 | Enhancement of local piezoelectric properties of a perforated ferroelectric thin film visualized via piezoresponse force microscopy. Journal Physics D: Applied Physics, 2017, 50, 425303. | 1.3 | 3 |
| 115 | Probing Electrified Liquidâ€“Solid Interfaces with Scanning Electron Microscopy. ACS Applied Materials & Interfaces, 2020, 12, 56650-56657. | 4.0 | 3 |
| 116 | Magnetooptical properties of alloy films Coâ€“Pd with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 1999, 203, 244-246. | 1.0 | 2 |
| 117 | Nonconventional transition layer formation during PLD of nanometer-period multilayers. , 1999, 3687, 244. | | 2 |
| 118 | <title>Structural peculiarities of metal alloy and multilayer films synthesized from laser erosion plasma</title>. , 2001, , . | | 2 |
| 119 | Patterning: Atomicâ€Level Sculpting of Crystalline Oxides: Toward Bulk Nanofabrication with Single Atomic Plane Precision (Small 44/2015). Small, 2015, 11, 5854-5854. | 5.2 | 2 |
| 120 | Production of Thin Films of Metastable Materials by Cross-Beam Pulsed Laser Deposition. Materials Science Forum, 2000, 343-346, 231-236. | 0.3 | 1 |
| 121 | Metastable Phase Formation in Fe-Al Thin Films Cocondensed by Cross-Beam Pulsed Laser Deposition. Materials Science Forum, 2000, 343-346, 249-254. | 0.3 | 1 |
| 122 | Giant magnetoresistance and magnetism of heterogeneous CoCu produced by ion-beam techniques. Sensors and Actuators A: Physical, 2001, 91, 169-172. | 2.0 | 1 |
| 123 | Lattice-Symmetry-Driven Phase Competition in Vanadium Dioxide. Materials Research Society Symposia Proceedings, 2011, 1292, 67. | 0.1 | 1 |
| 124 | Atomic-Level Fabrication of Crystalline Oxides in STEM. Microscopy and Microanalysis, 2015, 21, 939-940. | 0.2 | 1 |
| 125 | Probing nanoscale objects in liquids through membranes with near-field microwave microscopy. , 2015, , . | | 1 |
| 126 | Dielectrophoresis-Based Assembly and High-Frequency Characterization of Carbon Nanotube Bundles. Materials Research Society Symposia Proceedings, 2007, 990, 1. | 0.1 | 0 |

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|---|---|---|---|
| 127 | Probing nanotube-based ambipolar FET by magnetic field. AIP Conference Proceedings, 2007, , . | 0.3 | 0 |
| 128 | Unconventional Antiferroelectric Phase Stabilization in Thin Film BiFeO3 by Interface-Induced Rotoelectric Coupling Effect. Microscopy and Microanalysis, 2012, 18, 412-413. | 0.2 | 0 |
| 129 | Functional material properties of oxide thin films probed by atomic force microscopy on the nanoscale. , 2018, , 181-201. | | 0 |
| 130 | Polarization of the Graphene-Liquid Electrolyte Interface Probed by SEM. Microscopy and Microanalysis, 2018, 24, 354-355. | 0.2 | 0 |
| 131 | Operando Scanning Electron and Microwave Microscopies in Plasmas: A Comparative Analysis. Microscopy and Microanalysis, 2020, 26, 2498-2499. | 0.2 | 0 |
| 132 | Multiferroic properties of barium strontium titanate ceramics doped with gadolinium and iron. Ferroelectrics, 2021, 574, 109-114. | 0.3 | 0 |
| 133 | Metastable phase formation and subsequent thermally stimulated relaxation of co-deposited Fe-Cr nanometer films. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c348-c348. | 0.3 | 0 |
| 134 | Unveiling the Magnetically Induced Field-Effect in Carbon Nanotubes Devices. Springer Proceedings in Physics, 2008, , 111-113. | 0.1 | 0 |
| 135 | Electromigration and Diffusion Researches in Scanning Probe Microscopy of Solid Electrolytes. Ukrainian Journal of Physics, 2015, 60, 1027-1035. | 0.1 | 0 |
| 136 | Correlative Scanning Probe and Confocal Raman Microscopy for the Evaluation of Li-ion Kinetics in LiMn2O4 Cathodes. , 0, , . | | 0 |
| 137 | Influence of voltage amplitude parameters on the electrocaloric response in ferroelectric materials. Ferroelectrics, 2022, 591, 43-50. | 0.3 | 0 |