

# Nan Yao

## List of Publications by Year in descending order

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152  
papers

12,155  
citations

31902

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h-index

24915

109  
g-index

153  
all docs

153  
docs citations

153  
times ranked

15843  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 1.6 V Nanogenerator for Mechanical Energy Harvesting Using PZT Nanofibers. Nano Letters, 2010, 10, 2133-2137.  | 4.5  | 808       |
| 2  | High-Quality Manganese-Doped ZnSe Nanocrystals. Nano Letters, 2001, 1, 3-7.  | 4.5  | 782       |
| 3  | Biomimetic Pathways for Assembling Inorganic Thin Films. Science, 1996, 273, 892-898.  | 6.0  | 740       |
| 4  | Deformation mechanisms in nacre. Journal of Materials Research, 2001, 16, 2485-2493.   | 1.2  | 715       |
| 5  | Method for Supporting Platinum on Single-Walled Carbon Nanotubes for a Selective Hydrogenation Catalyst. Chemistry of Materials, 2001, 13, 733-737.  | 3.2  | 446       |
| 6  | Nanocrystalline Ni <sub>5</sub> P <sub>4</sub> : a hydrogen evolution electrocatalyst of exceptional efficiency in both alkaline and acidic media. Energy and Environmental Science, 2015, 8, 1027-1034. | 15.6 | 435       |
| 7  | Microscopic patterning of orientated mesoscopic silica through guided growth. Nature, 1997, 390, 674-676.  | 13.7 | 393       |
| 8  | Synthesis of Photonic Crystals for Optical Wavelengths from Semiconductor Quantum Dots. Advanced Materials, 1999, 11, 165-169.   | 11.1 | 355       |
| 9  | Young's modulus of single-walled carbon nanotubes. Journal of Applied Physics, 1998, 84, 1939-1943.  | 1.1  | 344       |
| 10 | Molecular mechanics of binding in carbon-nanotube-polymer composites. Journal of Materials Research, 2000, 15, 2770-2779.  | 1.2  | 334       |
| 11 | Flexible Piezoelectric PMN-PT Nanowire-Based Nanocomposite and Device. Nano Letters, 2013, 13, 2393-2398.  | 4.5  | 290       |
| 12 | Extremely Low Operating Current Resistive Memory Based on Exfoliated 2D Perovskite Single Crystals for Neuromorphic Computing. ACS Nano, 2017, 11, 12247-12256.  | 7.3  | 286       |
| 13 | Biomimetic Synthesis of Macroscopic-Scale Calcium Carbonate Thin Films. Evidence for a Multistep Assembly Process. Journal of the American Chemical Society, 1998, 120, 11977-11985.                     | 6.6  | 277       |
| 14 | Quantum-limit Chern topological magnetism in TbMn <sub>6</sub> Sn <sub>6</sub> . Nature, 2020, 583, 533-536.   | 13.7 | 253       |
| 15 | Natural Quasicrystals. Science, 2009, 324, 1306-1309.  | 6.0  | 243       |
| 16 | Pairing of near-ultraviolet solar cells with electrochromic windows for smart management of the solar spectrum. Nature Energy, 2017, 2, .  | 19.8 | 195       |
| 17 | Nanolithographic templates from diblock copolymer thin films. Applied Physics Letters, 1996, 68, 2586-2588.  | 1.5  | 186       |
| 18 | Pegylated Composite Nanoparticles Containing Upconverting Phosphors and meso-tetraphenyl porphine (TPP) for Photodynamic Therapy. Advanced Functional Materials, 2011, 21, 2488-2495.                    | 7.8  | 172       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Icosahedrite, Al <sub>63</sub> Cu <sub>24</sub> Fe <sub>13</sub> , the first natural quasicrystal. <i>American Mineralogist</i> , 2011, 96, 928-931.  | 0.9  | 165       |
| 20 | Mixed-Halide Perovskites with Stabilized Bandgaps. <i>Nano Letters</i> , 2017, 17, 6863-6869.   | 4.5  | 165       |
| 21 | <i>In Situ</i> Preparation of Metal Halide Perovskite Nanocrystal Thin Films for Improved Light-Emitting Devices. <i>ACS Nano</i> , 2017, 11, 3957-3964.  | 7.3  | 151       |
| 22 | Formation of a Silicate L3 Phase with Continuously Adjustable Pore Sizes. <i>Science</i> , 1997, 277, 552-556.  | 6.0  | 140       |
| 23 | Synthesis of Stable Block-Copolymer-Protected NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> Up-Converting Phosphor Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 311-318.   | 3.2  | 137       |
| 24 | Synthesis of monodisperse hexagonal NaYF <sub>4</sub> :Yb, Ln (Ln = Er, Ho and Tm) upconversion nanocrystals in TOPO. <i>Nanotechnology</i> , 2007, 18, 445607.   | 1.3  | 127       |
| 25 | Au@carbon yolk-shell nanostructures via one-step core-shell template. <i>Chemical Communications</i> , 2014, 50, 478-480.   | 2.2  | 116       |
| 26 | Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate $W_{1-x}Mo_x$ . <i>Physical Review B</i> , 2016, 94, .   |      | 115       |
| 27 | Titanium Dioxide Surfactant Mesophases and Ti-TMS1. <i>Chemistry of Materials</i> , 1997, 9, 2690-2693.   | 3.2  | 113       |
| 28 | Atomic-Scale Visualization of Quantum Interference on a Weyl Semimetal Surface by Scanning Tunneling Microscopy. <i>ACS Nano</i> , 2016, 10, 1378-1385.   | 7.3  | 112       |
| 29 | Structure and Oxidation Patterns of Carbon Nanotubes. <i>Journal of Materials Research</i> , 1998, 13, 2432-2437.   | 1.2  | 110       |
| 30 | Electrical Stress Influences the Efficiency of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Light Emitting Devices. <i>Advanced Materials</i> , 2017, 29, 1605317.   | 11.1 | 105       |
| 31 | The Hidden Effects of Particle Shape and Criteria for Evaluating the Upconversion Luminescence of the Lanthanide Doped Nanophosphors. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2452-2461.                                  | 1.5  | 103       |
| 32 | A method for in situ measurement of the residual stress in thin films by using the focused ion beam. <i>Thin Solid Films</i> , 2003, 443, 71-77.  | 0.8  | 101       |
| 33 | Depth Profiling Block Copolymer Microdomains. <i>Macromolecules</i> , 1998, 31, 2185-2189.  | 2.2  | 100       |
| 34 | Evidence for the extraterrestrial origin of a natural quasicrystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1396-1401.  | 3.3  | 94        |
| 35 | Anomalous Raman Scattering of Colloidal Yb <sup>3+</sup> , Er <sup>3+</sup> Codoped NaYF <sub>4</sub> Nanophosphors and Dynamic Probing of the Upconversion Luminescence. <i>Advanced Functional Materials</i> , 2010, 20, 3530-3537. | 7.8  | 91        |
| 36 | Foreign object damage in a thermal barrier system: mechanisms and simulations. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 352, 221-231.                    | 2.6  | 90        |

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|----|---|-----|-----------|
| 37 | High-yield monolayer graphene grids for near-atomic resolution cryoelectron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1009-1014.    | 3.3 | 84        |
| 38 | Porphyrin Amphiphiles as Templates for the Nucleation of Calcium Carbonate. Journal of the American Chemical Society, 1997, 119, 5449-5450.   | 6.6 | 82        |
| 39 | Layer by layer imaging of diblock copolymer films with a scanning electron microscope. Polymer, 1998, 39, 2733-2744.  | 1.8 | 81        |
| 40 | Natural quasicrystal with decagonal symmetry. Scientific Reports, 2015, 5, 9111.  | 1.6 | 81        |
| 41 | Potential measurement from a single lead zirconate titanate nanofiber using a nanomanipulator. Applied Physics Letters, 2009, 94, .   | 1.5 | 80        |
| 42 | Flame Synthesis of Y <sub>2</sub> O <sub>3</sub> :Eu Nanophosphors Using Ethanol as Precursor Solvents. Journal of Materials Research, 2005, 20, 2960-2968.                                       | 1.2 | 79        |
| 43 | PMN-PT Nanowires with a Very High Piezoelectric Constant. Nano Letters, 2012, 12, 2238-2242.  | 4.5 | 76        |
| 44 | Influence of Bulky Organoammonium Halide Additive Choice on the Flexibility and Efficiency of Perovskite Light-Emitting Devices. Advanced Functional Materials, 2018, 28, 1802060.                | 7.8 | 76        |
| 45 | Advances in sealed liquid cells for in-situ TEM electrochemical investigation of lithium-ion battery. Nano Energy, 2015, 11, 196-210.   | 8.2 | 75        |
| 46 | Mesoscopic Interactions and Species Coexistence in Evolutionary Game Dynamics of Cyclic Competitions. Scientific Reports, 2014, 4, 7486.  | 1.6 | 74        |
| 47 | Impact-induced shock and the formation of natural quasicrystals in the early solar system. Nature Communications, 2014, 5, 4040.  | 5.8 | 71        |
| 48 | Nanomedicine as a non-invasive strategy for drug delivery across the blood brain barrier. International Journal of Pharmaceutics, 2016, 515, 331-342.   | 2.6 | 65        |
| 49 | An investigation of the thermal sensitivity and stability of the $\lambda^2$ -NaYF <sub>4</sub> :Yb,Er upconversion nanophosphors. Journal of Applied Physics, 2010, 107, 054901.                 | 1.1 | 62        |
| 50 | Superior imaging resolution in scanning helium-ion microscopy: A look at beam-sample interactions. Journal of Applied Physics, 2008, 104, .   | 1.1 | 61        |
| 51 | Decagonite, Al <sub>71</sub> Ni <sub>24</sub> Fe <sub>5</sub> , a quasicrystal with decagonal symmetry from the Khatyrka CV3 carbonaceous chondrite. American Mineralogist, 2015, 100, 2340-2343. | 0.9 | 61        |
| 52 | Radial compression and controlled cutting of carbon nanotubes. Journal of Chemical Physics, 1998, 109, 2509-2512.   | 1.2 | 60        |
| 53 | Atomic-Scale Visualization of Quasiparticle Interference on a Type-II Weyl Semimetal Surface. Physical Review Letters, 2016, 117, 266804.   | 2.9 | 56        |
| 54 | One-pot Stober route yields template for Ag@carbon yolk-shell nanostructures. Chemical Communications, 2014, 50, 9056.  | 2.2 | 51        |

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|----|---|------|-----------|
| 55 | Advances in windowed gas cells for in-situ TEM studies. <i>Nano Energy</i> , 2015, 13, 735-756.   | 8.2  | 51        |
| 56 | Disorder→Order Transition in Mesoscopic Silica Thin Films. <i>Chemistry of Materials</i> , 2000, 12, 1536-1548.   | 3.2  | 50        |
| 57 | Organic→inorganic interfaces and spiral growth in nacre. <i>Journal of the Royal Society Interface</i> , 2009, 6, 367-376.  | 1.5  | 50        |
| 58 | Stable synthesis of few-layered boron nitride nanotubes by anodic arc discharge. <i>Scientific Reports</i> , 2017, 7, 3075.   | 1.6  | 50        |
| 59 | Petroleum pitch: Exploring a 50-year structure puzzle with real-space molecular imaging. <i>Carbon</i> , 2020, 161, 456-465.  | 5.4  | 50        |
| 60 | Robustness of chimera states in complex dynamical systems. <i>Scientific Reports</i> , 2013, 3, 3522.   | 1.6  | 49        |
| 61 | Europium-doped yttrium silicate nanophosphors prepared by flame synthesis. <i>Materials Research Bulletin</i> , 2007, 42, 1440-1449.  | 2.7  | 48        |
| 62 | Large-grain polycrystalline silicon films with low intragranular defect density by low-temperature solid-phase crystallization without underlying oxide. <i>Journal of Applied Physics</i> , 2002, 91, 2910-2915. | 1.1  | 42        |
| 63 | Understanding Polymorph Transformations in Core→Chlorinated Naphthalene Diimides and their Impact on Thin→Film Transistor Performance. <i>Advanced Functional Materials</i> , 2016, 26, 2357-2364.                | 7.8  | 42        |
| 64 | Silica Gels with Tunable Nanopores through Templating of the L3Phase. <i>Langmuir</i> , 2000, 16, 398-406.  | 1.6  | 37        |
| 65 | Steinhardtite, a new body-centered-cubic allotropic form of aluminum from the Khatyrka CV3 carbonaceous chondrite. <i>American Mineralogist</i> , 2014, 99, 2433-2436.  | 0.9  | 37        |
| 66 | Fabrication and piezoelectric property of PMN-PT nanofibers. <i>Nano Energy</i> , 2012, 1, 602-607.   | 8.2  | 36        |
| 67 | Biotemplated Synthesis of PZT Nanowires. <i>Nano Letters</i> , 2013, 13, 6197-6202.   | 4.5  | 35        |
| 68 | Fermion→boson many-body interplay in a frustrated kagome paramagnet. <i>Nature Communications</i> , 2020, 11, 4003.   | 5.8  | 35        |
| 69 | Nanoscale Patterning of Barium Titanate on Block Copolymers. <i>Langmuir</i> , 1997, 13, 3866-3870.   | 1.6  | 34        |
| 70 | Supported Superparamagnetic Pd/Co Alloy Nanoparticles Prepared from a Silica/Cyanogel Co-gel. <i>Chemistry of Materials</i> , 2005, 17, 6216-6218.  | 3.2  | 34        |
| 71 | Crystal growth via spiral motion in abalone shell nacre. <i>Journal of Materials Research</i> , 2006, 21, 1939-1946.  | 1.2  | 34        |
| 72 | Evidence of a room-temperature quantum spin Hall edge state in a higher-order topological insulator. <i>Nature Materials</i> , 2022, 21, 1111-1115.   | 13.3 | 32        |

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|----|---|------|-----------|
| 73 | Identifying and Indexing Icosahedral Quasicrystals from Powder Diffraction Patterns. <i>Physical Review Letters</i> , 2001, 87, 275507.   | 2.9  | 31        |
| 74 | Soft Chemical Synthesis of $\text{HfCr}_2$ : An Antiferromagnetic Material with Alternating Amorphous and Crystalline Layers. <i>Journal of the American Chemical Society</i> , 2019, 141, 15634-15640. | 6.6  | 31        |
| 75 | A one-step and scalable production route to metal nanocatalyst supported polymer nanospheres via flash nanoprecipitation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17286-17290.               | 5.2  | 30        |
| 76 | REM and REELS identifications of atomic terminations at $\alpha$ -alumina (011,1) surface. <i>Surface Science</i> , 1989, 208, 533-549.   | 0.8  | 29        |
| 77 | Carbon nanotube caps as springs: Molecular dynamics simulations. <i>Physical Review B</i> , 1998, 58, 12649-12651.  | 1.1  | 29        |
| 78 | Wear mechanism operating in W-DLC coatings in contact with machined steel surfaces. <i>Surface and Coatings Technology</i> , 2004, 179, 306-313.  | 2.2  | 28        |
| 79 | Structural variations of the cathode deposit in the carbon arc. <i>Carbon</i> , 2016, 105, 490-495.   | 5.4  | 27        |
| 80 | The observation of surface resonance effects in RHEED patterns. <i>Ultramicroscopy</i> , 1988, 26, 189-194.   | 0.8  | 26        |
| 81 | Energy scavenging based on a single-crystal PMN-PT nanobelt. <i>Scientific Reports</i> , 2016, 6, 22513.  | 1.6  | 24        |
| 82 | Phase transition induced formation of hollow structures in colloidal lanthanide-doped $\text{NaYF}_4$ nanocrystals. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1429-1438.                      | 0.8  | 21        |
| 83 | The Role of Methyl Groups in the Early Stage of Thermal Polymerization of Polycyclic Aromatic Hydrocarbons Revealed by Molecular Imaging. <i>Energy &amp; Fuels</i> , 2021, 35, 2224-2233.              | 2.5  | 21        |
| 84 | Deformation and fracture in micro-tensile tests of freestanding electrodeposited nickel thin films. <i>Scripta Materialia</i> , 2008, 58, 1062-1065.  | 2.6  | 19        |
| 85 | Ultralow Superharmonic Resonance for Functional Nanowires. <i>Nano Letters</i> , 2010, 10, 852-859.   | 4.5  | 19        |
| 86 | Nanostructured Biomaterials and Their Applications. <i>Nanomaterials</i> , 2013, 3, 242-271.  | 1.9  | 19        |
| 87 | Observation of a linked-loop quantum state in a topological magnet. <i>Nature</i> , 2022, 604, 647-652.   | 13.7 | 18        |
| 88 | Signatures of Weyl Fermion Annihilation in a Correlated Kagome Magnet. <i>Physical Review Letters</i> , 2021, 127, 256403.  | 2.9  | 17        |
| 89 | Electron diffraction conditions and surface imaging in reflection electron microscopy. <i>Ultramicroscopy</i> , 1990, 33, 237-254.  | 0.8  | 16        |
| 90 | The parabolas and circles in RHEED patterns. <i>Ultramicroscopy</i> , 1989, 31, 149-157.  | 0.8  | 15        |

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|-----|---|------|-----------|
| 91  | Nanoscale and submicron fatigue crack growth in nickel microbeams. <i>Acta Materialia</i> , 2007, 55, 4305-4315.  | 3.8  | 15        |
| 92  | The Effects of Chromophore Halogenation on the Stability of UV-Absorbing Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2100225.                                   | 10.2 | 15        |
| 93  | Fabrication of uniformly dispersed nanoparticle-doped chalcogenide glass. <i>Applied Physics Letters</i> , 2014, 105, 261906.   | 1.5  | 14        |
| 94  | Structure-Function Dynamic Function Relations of Asphaltenes. <i>Energy &amp; Fuels</i> , 2021, 35, 13610-13632.  | 2.5  | 14        |
| 95  | Barium Titanate Nanoparticles in Block Copolymer. <i>Langmuir</i> , 2001, 17, 7656-7663.  | 1.6  | 13        |
| 96  | Synthesis of self-assembled nanoscale structures by focused ion-beam induced deposition. <i>Scripta Materialia</i> , 2004, 50, 915-919.   | 2.6  | 13        |
| 97  | Conformational Analysis of Nonplanar Archipelago Structures on a Cu (111) Surface by Molecular Imaging. <i>Energy &amp; Fuels</i> , 2020, 34, 12135-12141.                            | 2.5  | 13        |
| 98  | Humidity and Strain Rate Determine the Extent of Phase Shift in the Piezoresistive Response of PEDOT:PSS. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16888-16895.      | 4.0  | 12        |
| 99  | Towards probing pentagons on carbon nanotube tips. <i>Surface Science</i> , 1999, 421, L150-L155.   | 0.8  | 11        |
| 100 | Anisotropic crystallization in solution processed chalcogenide thin film by linearly polarized laser. <i>Applied Physics Letters</i> , 2017, 110, .                                   | 1.5  | 11        |
| 101 | Kinetics and Evolution of Magnetism in Soft-Chemical Synthesis of CrSe <sub>2</sub> from KCrSe <sub>2</sub> . <i>Chemistry of Materials</i> , 2021, 33, 8070-8078.                    | 3.2  | 11        |
| 102 | Mechanical and hyperthermic properties of magnetic nanocomposites for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 49, 118-128. | 1.5  | 10        |
| 103 | Photoluminescence of Functionalized Germanium Nanocrystals Embedded in Arsenic Sulfide Glass. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 18911-18917.                   | 4.0  | 10        |
| 104 | Ex Situ and In Situ Thermal Transformations of M-50 Pitch Revealed by Non-contact Atomic Force Microscopy. <i>Energy &amp; Fuels</i> , 2021, 35, 18210-18219.                         | 2.5  | 10        |
| 105 | Rutherford backscattering oscillation in scanning helium-ion microscopy. <i>Journal of Applied Physics</i> , 2011, 109, 064311.   | 1.1  | 9         |
| 106 | In-situ synthesis and defect evolution of single-crystal piezoelectric nanoparticles. <i>Nano Energy</i> , 2016, 28, 195-205.   | 8.2  | 9         |
| 107 | Observation of double line contrast in surface imaging. <i>Microscopy Research and Technique</i> , 1992, 20, 413-425.   | 1.2  | 8         |
| 108 | Surface topography evolution and fatigue fracture of polysilicon. <i>Journal of Materials Science</i> , 2003, 38, 4145-4155.  | 1.7  | 8         |

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|-----|--|------|-----------|
| 109 | Stabilizing cyanosols: amorphous cyanide bridged transition metal polymer nanoparticles. Journal of Materials Chemistry, 2009, 19, 8846.                                     | 6.7  | 8         |
| 110 | Energy Harvesting Based on PZT Nanofibers. Green Energy and Technology, 2011, , 425-438.   | 0.4  | 8         |
| 111 | Adjustable stiffness of individual piezoelectric nanofibers by electron beam polarization. Applied Physics Letters, 2011, 99, .  | 1.5  | 8         |
| 112 | Nanoscale electrical properties of epitaxial Cu <sub>3</sub> Ge film. Scientific Reports, 2016, 6, 28818.  | 1.6  | 8         |
| 113 | Investigation of Diblock Copolymer thin film Morphology for Nanolithography. Materials Research Society Symposia Proceedings, 1996, 461, 179.                                | 0.1  | 7         |
| 114 | Wireless biomechanical power harvesting via flexible magnetostrictive ribbons. Energy and Environmental Science, 2014, 7, 2243.  | 15.6 | 7         |
| 115 | Fabrication of epitaxial Cu <sub>3</sub> Ge on sapphire with controlled crystallinity and planar defects. Journal of Alloys and Compounds, 2015, 641, 238-243.               | 2.8  | 6         |
| 116 | Introduction to the focused ion beam system. , 2007, , 1-30.   |      | 5         |
| 117 | In Situ Mechanical and Electrical Characterization of Individual $\text{TiO}_2$ Nanofibers Using a Nanomanipulator System. Scanning, 2012, 34, 341-346.                      | 0.7  | 5         |
| 118 | Direct visualization of floppy two-dimensional DNA origami using cryogenic electron microscopy. IScience, 2022, 25, 104373.  | 1.9  | 5         |
| 119 | Sampling Depth Controlled by Accelerating Voltage in a Low Voltage SEM. Microscopy and Microanalysis, 1997, 3, 1241-1242.  | 0.2  | 4         |
| 120 | PMN-PT nanostructures for energy scavenging. Semiconductor Science and Technology, 2017, 32, 063001.   | 1.0  | 4         |
| 121 | Plasticity Length Scale in LIGA Nickel MEMS Structures. Materials Research Society Symposia Proceedings, 2001, 687, 1.   | 0.1  | 3         |
| 122 | SiGe quantum dot single-hole transistor fabricated by atomic force microscope nanolithography and silicon epitaxial-regrowth. Journal of Applied Physics, 2006, 100, 094317. | 1.1  | 3         |
| 123 | Interaction of ions with matter. , 2007, , 31-66.  |      | 3         |
| 124 | High-density FIB-SEM 3D nanotomography: with applications of real-time imaging during FIB milling. , 2007, , 146-186.  |      | 3         |
| 125 | Preparation for physico-chemical analysis. , 2007, , 215-249.  |      | 3         |
| 126 | Mesoscopic Silica Thin Films Via Template-Assisted Self-Assembly. Microscopy and Microanalysis, 1997, 3, 395-396.  | 0.2  | 2         |



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|-----|---|-----|-----------|
| 127 | Spatially selective single-grain silicon films induced by hydrogen plasma seeding. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 818. | 1.6 | 2         |
| 128 | Nanostructure of Er <sup>3+</sup> doped silicates. Microscopy (Oxford, England), 2005, 54, 309-315.   | 0.7 | 2         |
| 129 | Gas assisted ion beam etching and deposition. , 2007, , 67-86.  |     | 2         |
| 130 | In-situ sample manipulation and imaging. , 2007, , 250-267.   |     | 2         |
| 131 | Micro-machining and mask repair. , 2007, , 268-294.   |     | 2         |
| 132 | Focused ion beam systems as a multifunctional tool for nanotechnology. , 2007, , 355-390.   |     | 2         |
| 133 | Ligand Effects and Synthesis of NaYF <sub>4</sub> Based Up and Downconversion Colloidal Nanophosphors. ACS Symposium Series, 2011, , 71-85.   | 0.5 | 2         |
| 134 | Plasma-Etching of the Organic Layer in Nacre. Soft Nanoscience Letters, 2014, 04, 63-68.  | 0.8 | 2         |
| 135 | Magnetic Nanosheets via Chemical Exfoliation of K <sub>2</sub> MnSn <sub>16</sub> S <sub>2</sub> . Chemistry of Materials, 2022, 34, 5084-5093.   | 3.2 | 2         |
| 136 | HRTEM of Initial Oxidation of Carbon Nanotube Tips. Microscopy and Microanalysis, 1997, 3, 421-422.   | 0.2 | 1         |
| 137 | Tem Studies of Single and Double Microdomain Layers of Block Copolymer. Microscopy and Microanalysis, 1998, 4, 818-819.   | 0.2 | 1         |
| 138 | Structural Details as Clues to Understanding Nacre Formation. Microscopy and Microanalysis, 2000, 6, 896-897.   | 0.2 | 1         |
| 139 | Broad, flat fluorescence emissions from nanostructured rare-earth doped silicates. , 2004, , .  |     | 1         |
| 140 | Characterization of the Organic-Inorganic Interface of Abalone Shell Nacre. Microscopy and Microanalysis, 2008, 14, 24-25.  | 0.2 | 1         |
| 141 | In Situ Electrical Characterization of Single Nanofibers Using a Nanomanipulator in an FIB/SEM Microscope. Microscopy and Microanalysis, 2010, 16, 1800-1801.   | 0.2 | 1         |
| 142 | Work function of Cu <sub>3</sub> Ge thin film. Microscopy and Microanalysis, 2016, 22, 1654-1655.   | 0.2 | 1         |
| 143 | Manipulation of single atoms and molecules by electron probe and mechanical force. Microscopy and Microanalysis, 2021, 27, 220-221.   | 0.2 | 1         |
| 144 | Self-Assembled and Micro-Patterned Mesoscopic Thin Films. Microscopy and Microanalysis, 1998, 4, 730-731.   | 0.2 | 0         |

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|-----|---|-----|-----------|
| 145 | Synthesis of CaCO <sub>3</sub> Thin Films via a Bioinspired Strategy: Cooperative Template-Inhibition. <i>Microscopy and Microanalysis</i> , 2000, 6, 1070-1071.  | 0.2 | 0         |
| 146 | An Amorphous to Crystalline Transition in the Formation of CaCO <sub>3</sub> Thin Films. <i>Microscopy and Microanalysis</i> , 2000, 6, 1072-1073.                | 0.2 | 0         |
| 147 | Epitaxial Cu <sub>3</sub> Ge Thin Film: Fabrication, Structure, and Property. , 2016, , .   |     | 0         |
| 148 | Identification of topological magnetic order in a Weyl line ferromagnet. <i>Microscopy and Microanalysis</i> , 2021, 27, 214-215.                                 | 0.2 | 0         |
| 149 | Polymer Characterization Using Electron Microscopes. , 2002, , .  |     | 0         |
| 150 | Inelastic Electron Scattering and Total Reflectivity in RHEED. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1990, 48, 392-393.      | 0.0 | 0         |
| 151 | Laser ablation of germanium in arsenic sulfide solution. , 2016, , .  |     | 0         |
| 152 | Convergence of the incident beam in reflection Electron Microscopy. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1989, 47, 532-533. | 0.0 | 0         |