# Mitra L Taheri

List of Publications by Year
in descending order



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|---|---|---|---|
| 136 papers | 6,611 citations | 101543 36 h-index | 64796 79 g-index |
| 137 all docs | 137 docs citations | 137 times ranked | 8273 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716. | 12.6 | 848 |
| 2 | Control of MXenesâ€™ electronic properties through termination and intercalation. Nature Communications, 2019, 10, 522. | 12.8 | 721 |
| 3 | Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples. Science, 2006, 314, 1735-1739. | 12.6 | 589 |
| 4 | Radiation damage in nanostructured materials. Progress in Materials Science, 2018, 96, 217-321. | 32.8 | 307 |
| 5 | In situ environmental transmission electron microscopy study of oxidation of two-dimensional Ti<sub>3</sub>C<sub>2</sub>and formation of carbon-supported TiO<sub>2</sub>. Journal of Materials Chemistry A, 2014, 2, 14339. | 10.3 | 287 |
| 6 | Imaging of Transient Structures Using Nanosecond in Situ TEM. Science, 2008, 321, 1472-1475. | 12.6 | 281 |
| 7 | Edge Capping of 2Dâ€MXene Sheets with Polyanionic Salts To Mitigate Oxidation in Aqueous Colloidal Suspensions. Angewandte Chemie - International Edition, 2019, 58, 12655-12660. | 13.8 | 225 |
| 8 | Current status and future directions for in situ transmission electron microscopy. Ultramicroscopy, 2016, 170, 86-95. | 1.9 | 181 |
| 9 | Soft magnetic composites: recent advancements in the technology. Metal Powder Report, 2017, 72, 425-429. | 0.1 | 152 |
| 10 | Towards data-driven next-generation transmission electron microscopy. Nature Materials, 2021, 20, 274-279. | 27.5 | 130 |
| 11 | Nanosecond time-resolved investigations using the in situ of dynamic transmission electron microscope (DTEM). Ultramicroscopy, 2008, 108, 1441-1449. | 1.9 | 115 |
| 12 | Chemically Preintercalated Bilayered K<sub>x</sub>V<sub>2</sub>O<sub>5</sub>Â·nH<sub>2</sub>O Nanobelts as a High-Performing Cathode Material for K-Ion Batteries. ACS Energy Letters, 2018, 3, 562-567. | 17.4 | 104 |
| 13 | Direct Detection Electron Energy-Loss Spectroscopy: A Method to Push the Limits of Resolution and Sensitivity. Scientific Reports, 2017, 7, 8243. | 3.3 | 103 |
| 14 | Towards an integrated materials characterization toolbox. Journal of Materials Research, 2011, 26, 1341-1383. | 2.6 | 84 |
| 15 | Unraveling the origin of twin related domains and grain boundary evolution during grain boundary engineering. Acta Materialia, 2018, 144, 281-291. | 7.9 | 80 |
| 16 | Edge Capping of 2Dâ€MXene Sheets with Polyanionic Salts To Mitigate Oxidation in Aqueous Colloidal Suspensions. Angewandte Chemie, 2019, 131, 12785-12790. | 2.0 | 78 |
| 17 | Free Standing Nanoporous Palladium Alloys as CO Poisoning Tolerant Electrocatalysts for the Electrochemical Reduction of CO<sub>2</sub> to Formate. ACS Catalysis, 2019, 9, 5290-5301. | 11.2 | 78 |
| 18 | Anisotropic radiation-induced segregation in 316L austenitic stainless steel with grain boundary character. Acta Materialia, 2014, 67, 145-155. | 7.9 | 74 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Evidence for Bulk Ripplocations in Layered Solids. Scientific Reports, 2016, 6, 33451. | 3.3 | 73 |
| 20 | Polarization screening-induced magnetic phase gradients at complex oxide interfaces. Nature Communications, 2015, 6, 6735. | 12.8 | 71 |
| 21 | One-Pot Aqueous Synthesis of Fe and Ag Core/Shell Nanoparticles. Chemistry of Materials, 2010, 22, 6291-6296. | 6.7 | 66 |
| 22 | Magnetic properties of Co2C and Co3C nanoparticles and their assemblies. Applied Physics Letters, 2012, 101, . | 3.3 | 64 |
| 23 | Thickness-Dependent Crossover from Charge- to Strain-Mediated Magnetoelectric Coupling in Ferromagnetic/Piezoelectric Oxide Heterostructures. ACS Nano, 2014, 8, 894-903. | 14.6 | 61 |
| 24 | Correlation of mechanical properties to microstructure in Inconel 718 fabricated by Direct Metal Laser Sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 539-547. | 5.6 | 60 |
| 25 | Direct Observation of Sink-Dependent Defect Evolution in Nanocrystalline Iron under Irradiation. Scientific Reports, 2017, 7, 1836. | 3.3 | 57 |
| 26 | Simultaneous twinning and microband formation under dynamic compression in a high entropy alloy with a complex energetic landscape. Acta Materialia, 2020, 200, 1-11. | 7.9 | 55 |
| 27 | A perspective on corrosion of multi-principal element alloys. Npj Materials Degradation, 2021, 5, . | 5.8 | 55 |
| 28 | Evidence of a magnetic transition in atomically thin Cr<sub>2</sub>TiC<sub>2</sub>T<sub>x</sub> MXene. Nanoscale Horizons, 2020, 5, 1557-1565. | 8.0 | 51 |
| 29 | Vertical geometry 33.2 A, 4.8 MWâ€‰cm2 Ga2O3 field-plated Schottky rectifier arrays. Applied Physics Letters, 2019, 114, . | 3.3 | 50 |
| 30 | Magnetic and microstructural properties of Fe3O4-coated Fe powder soft magnetic composites. Journal of Magnetism and Magnetic Materials, 2017, 423, 164-170. | 2.3 | 48 |
| 31 | A percolation theory for designing corrosion-resistant alloys. Nature Materials, 2021, 20, 789-793. | 27.5 | 48 |
| 32 | Microstructural Features Controlling Mechanical Properties in Nb-Mo Microalloyed Steels. Part II: Impact Toughness. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4972-4982. | 2.2 | 46 |
| 33 | Estimation of dislocation density from precession electron diffraction data using the Nye tensor. Ultramicroscopy, 2015, 153, 9-21. | 1.9 | 46 |
| 34 | Microstructural and precipitation characterization in Nb-Mo microalloyed steels: Estimation of the contributions to the strength. Metals and Materials International, 2014, 20, 807-817. | 3.4 | 42 |
| 35 | Sequential Capacitive Deposition of Ionic Liquids for Conformal Thin Film Coatings on Oxygen Reduction Reaction Electrocatalysts. ACS Catalysis, 2019, 9, 9311-9316. | 11.2 | 42 |
| 36 | Microstructural Features Controlling Mechanical Properties in Nb-Mo Microalloyed Steels. Part I: Yield Strength. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4960-4971. | 2.2 | 38 |

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|---|---|---|---|
| 37 | Achieving Radiation Tolerance through Non-Equilibrium Grain Boundary Structures. Scientific Reports, 2017, 7, 12275. | 3.3 | 38 |
| 38 | Morphological Instability in Topologically Complex, Three-Dimensional Electrocatalytic Nanostructures. ACS Catalysis, 2017, 7, 7995-8005. | 11.2 | 35 |
| 39 | Structural transition and recovery of Ge implanted  Î² -Ga2O3. Applied Physics Letters, 2020, 117, . | 3.3 | 35 |
| 40 | A (S)TEM Gas Cell Holder with Localized Laser Heating forIn SituExperiments. Microscopy and Microanalysis, 2013, 19, 470-478. | 0.4 | 33 |
| 41 | Grain boundary character dependence of radiation-induced segregation in a model Niâ€“Cr alloy. Journal of Materials Research, 2015, 30, 1290-1299. | 2.6 | 33 |
| 42 | NiZnCu-ferrite coated iron powder for soft magnetic composite applications. Journal of Magnetism and Magnetic Materials, 2018, 463, 1-6. | 2.3 | 33 |
| 43 | Al2O3 â€œself-coatedâ€•iron powder composites via mechanical milling. Journal of Alloys and Compounds, 2015, 653, 61-68. | 5.5 | 29 |
| 44 | Evolution of Î²-phase precipitates in an aluminum-magnesium alloy at the nanoscale. Acta Materialia, 2020, 185, 279-286. | 7.9 | 29 |
| 45 | Evidence of a temperature transition for denuded zone formation in nanocrystalline Fe under He irradiation. Materials Research Letters, 2017, 5, 195-200. | 8.7 | 27 |
| 46 | Site-specific atomic scale analysis of solute segregation to a coincidence site lattice grain boundary. Ultramicroscopy, 2010, 110, 278-284. | 1.9 | 26 |
| 47 | Electron-beam-induced ferroelectric domain behavior in the transmission electron microscope: Toward deterministic domain patterning. Physical Review B, 2016, 94, . | 3.2 | 26 |
| 48 | Tracking the evolution of intergranular corrosion through twin-related domains in grain boundary networks. Npj Materials Degradation, 2018, 2, . | 5.8 | 26 |
| 49 | Functionalization-Induced Self-Assembly of Block Copolymers for Nanoparticle Synthesis. ACS Macro Letters, 2018, 7, 1503-1508. | 4.8 | 26 |
| 50 | Structural properties of electrodeposited Cu-Ag alloys. Electrochimica Acta, 2017, 251, 475-481. | 5.2 | 25 |
| 51 | In situ laser crystallization of amorphous silicon: Controlled nanosecond studies in the dynamic transmission electron microscope. Applied Physics Letters, 2010, 97, . | 3.3 | 24 |
| 52 | Magnetism and structure of Zn[sub x]Fe[sub 3â^'x]O[sub 4] films processed via spin-spray deposition. Journal of Applied Physics, 2002, 91, 7595. | 2.5 | 23 |
| 53 | CZTS thin film solar cells on flexible Molybdenum foil by electrodeposition-annealing route. Journal of Applied Electrochemistry, 2021, 51, 209-218. | 2.9 | 23 |
| 54 | MgB<sub>2</sub> ultrathin films fabricated by hybrid physical chemical vapor deposition and ion milling. APL Materials, 2016, 4, 086114. | 5.1 | 22 |

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| 55 | Diffusion of implanted Ge and Sn in Î²-Ga2O3. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, . | 1.2 | 22 |
| 56 | Multimodal Spectroscopic Study of Surface Termination Evolution in Cr<sub>2</sub>TiC<sub>2</sub>T<sub>x</sub> MXene. Advanced Materials Interfaces, 2021, 8, 2001789. | 3.7 | 22 |
| 57 | Laserâ€based in situ techniques: Novel methods for generating extreme conditions in TEM samples. Microscopy Research and Technique, 2009, 72, 122-130. | 2.2 | 21 |
| 58 | Accessing intermediate ferroelectric switching regimes with time-resolved transmission electron microscopy. Journal of Applied Physics, 2012, 112, 052013. | 2.5 | 21 |
| 59 | Understanding the formation of (Al,Si)3Sc and V-phase (AlSc2Si2) in Al-Si-Sc alloys via ex situ heat treatments and in situ transmission electron microscopy studies. Journal of Alloys and Compounds, 2021, 861, 158511. | 5.5 | 21 |
| 60 | Stoichiometry of LaAlO3 films grown on SrTiO3 by pulsed laser deposition. Journal of Applied Physics, 2013, 114, 027008. | 2.5 | 20 |
| 61 | RapidEELS: machine learning for denoising and classification in rapid acquisition electron energy loss spectroscopy. Scientific Reports, 2021, 11, 19515. | 3.3 | 20 |
| 62 | Texture evolution in nanocrystalline iron films deposited using biased magnetron sputtering. Journal of Applied Physics, 2014, 116, . | 2.5 | 19 |
| 63 | Elucidation of insulin assembly at acidic and neutral pH: Characterization of low molecular weight oligomers. Proteins: Structure, Function and Bioinformatics, 2017, 85, 2096-2110. | 2.6 | 18 |
| 64 | Cyclic compression response of micropillars extracted from textured nanocrystalline NiTi thin-walled tubes. Acta Materialia, 2017, 136, 134-147. | 7.9 | 18 |
| 65 | Interplay of dislocation substructure and elastic strain evolution in additively manufactured Inconel 625. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 785, 139380. | 5.6 | 18 |
| 66 | LaAlO3/SrTiO3 Epitaxial Heterostructures by Atomic Layer Deposition. Journal of Electronic Materials, 2012, 41, 819-823. | 2.2 | 17 |
| 67 | Specimen preparation for correlating transmission electron microscopy and atom probe tomography of mesoscale features. Ultramicroscopy, 2014, 147, 25-32. | 1.9 | 17 |
| 68 | Nanoporous metals from thermal decomposition of transition metal dichalcogenides. Acta Materialia, 2020, 184, 79-85. | 7.9 | 17 |
| 69 | A study of the effect of iron island morphology and interface oxidation on the magnetic hysteresis of Fe-MgO (001) thin film composites. Journal of Applied Physics, 2012, 112, . | 2.5 | 16 |
| 70 | Observations of defect structure evolution in proton and Ni ion irradiated Ni-Cr binary alloys. Journal of Nuclear Materials, 2016, 479, 48-58. | 2.7 | 16 |
| 71 | In Situ Laser Synthesis of Si Nanowires in the Dynamic TEM. Small, 2008, 4, 2187-2190. | 10.0 | 15 |
| 72 | Real-Time Observation of Local Strain Effects on Nonvolatile Ferroelectric Memory Storage Mechanisms. Nano Letters, 2014, 14, 3617-3622. | 9.1 | 15 |

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| 73 | Enhancement of lower critical field by reducing the thickness of epitaxial and polycrystalline MgB2 thin films. APL Materials, 2015, 3, . | 5.1 | 15 |
| 74 | Transmission electron microscopy investigation of Ag diffusion mechanisms in Î²-SiC. Journal of Nuclear Materials, 2015, 457, 298-303. | 2.7 | 15 |
| 75 | Determination of the initial oxidation behavior of Zircaloy-4 by in-situ TEM. Journal of Nuclear Materials, 2016, 474, 126-133. | 2.7 | 15 |
| 76 | Functionalization-induced self-assembly under ambient conditions via thiol-epoxide â€œclickâ€•chemistry. Polymer Chemistry, 2020, 11, 298-303. | 3.9 | 15 |
| 77 | Additive Manufacturing Methods for Soft Magnetic Composites (SMCs). Microscopy and Microanalysis, 2018, 24, 1066-1067. | 0.4 | 13 |
| 78 | Geometrically necessary dislocation density evolution as a function of microstructure and strain rate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 831, 142224. | 5.6 | 13 |
| 79 | Observation of oscillatory radiation induced segregation profiles at grain boundaries in neutron irradiated 316 stainless steel using atom probe tomography. Journal of Nuclear Materials, 2018, 504, 181-190. | 2.7 | 12 |
| 80 | Control of hidden ground-state order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>NdNi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> superlattices. Physical Review Materials, 2017, 1, . | 2.4 | 12 |
| 81 | Asymmetric Response of Ferroelastic Domain-Wall Motion under Applied Bias. ACS Applied Materials & Interfaces, 2016, 8, 2935-2941. | 8.0 | 11 |
| 82 | Investigation of the Mechanics, Composition, and Functional Behavior of Thick Tribofilms Formed from Silicon- and Oxygen-Containing Hydrogenated Amorphous Carbon. Tribology Letters, 2019, 67, 1. | 2.6 | 11 |
| 83 | Analysis of a New High-Toughness Ultra-high-Strength Martensitic Steel by Transmission Electron Microscopy and Atom Probe Tomography. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1517-1528. | 2.2 | 10 |
| 84 | Grain boundary strain as a determinant of localized sink efficiency. Acta Materialia, 2022, 226, 117624. | 7.9 | 10 |
| 85 | Symposium on Ultrafast Electron Microscopy and Ultrafast Science. Microscopy and Microanalysis, 2009, 15, 271-271. | 0.4 | 9 |
| 86 | Microstructural changes in CdSe-coated ZnO nanowires evaluated byin situannealing in transmission electron microscopy and x-ray diffraction. Nanotechnology, 2012, 23, 265701. | 2.6 | 9 |
| 87 | Atomic-Scale Characterization of Oxide Thin Films Gated by Ionic Liquid. ACS Applied Materials & Interfaces, 2014, 6, 17018-17023. | 8.0 | 9 |
| 88 | Electronic transition above room temperature in CaMn7O12 films. Applied Physics Letters, 2015, 107, 142901. | 3.3 | 9 |
| 89 | Insight into the kinetic stabilization of Al0.3CoCrFeNi high-entropy alloys. Materialia, 2020, 14, 100872. | 2.7 | 9 |
| 90 | Role of Processing in Microstructural Evolution in Inconel 625: A Comparison of Three Additive Manufacturing Techniques. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 2811-2820. | 2.2 | 9 |

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| 91 | Mechanistic Insight and Local Structure Evolution of NiPS<sub>3</sub> upon Electrochemical Lithiation. ACS Applied Materials & Interfaces, 2022, 14, 3980-3990. | 8.0 | 9 |
| 92 | In situ Transmission Electron Microscopy He+ implantation and thermal aging of nanocrystalline iron. Journal of Nuclear Materials, 2016, 482, 139-146. | 2.7 | 8 |
| 93 | Direct Correlation of MXene Surface Chemistry and Electronic Properties. Microscopy and Microanalysis, 2018, 24, 1606-1607. | 0.4 | 8 |
| 94 | Toward high-throughput defect density quantification: A comparison of techniques for irradiated samples. Ultramicroscopy, 2019, 206, 112820. | 1.9 | 8 |
| 95 | Exchange Bias in Bulk Î±-Fe/Î³-Fe<sub>70</sub>Mn<sub>30</sub> Nanocomposites for Permanent Magnet Applications. ACS Applied Nano Materials, 2019, 2, 1940-1950. | 5.0 | 8 |
| 96 | Interdiffusion-driven synthesis of tetragonal chromium (III) oxide on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2018, 2, . | 2.4 | 8 |
| 97 | Effects of cation stoichiometry on electronic and structural properties of LaNiO3. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, . | 2.1 | 7 |
| 98 | In-Situ Investigation of Grain Boundary Mobility and Character in Aluminum Alloys in the Presence of a Stored Energy Driving Force. Materials Research Society Symposia Proceedings, 2004, 819, N6.5.1. | 0.1 | 6 |
| 99 | Modeling of CCT Diagrams and Ferrite Grain Size Prediction in Low Carbon Nbâ€“Mo Microalloyed Steels. ISIJ International, 2015, 55, 1963-1972. | 1.4 | 6 |
| 100 | Ion irradiation induced phase transformation in gold nanocrystalline films. Scientific Reports, 2020, 10, 17864. | 3.3 | 6 |
| 101 | The influence of solute on irradiation damage evolution in nanocrystalline thin-films. Journal of Nuclear Materials, 2021, 543, 152616. | 2.7 | 6 |
| 102 | Implications of Microstructure in Helium-Implanted Nanocrystalline Metals. Materials, 2022, 15, 4092. | 2.9 | 6 |
| 103 | Observation of Selfâ€Assembled Coreâ€“Shell Structures in Epitaxially Embedded TbErAs Nanoparticles. Small, 2014, 10, 4920-4925. | 10.0 | 5 |
| 104 | Performance of a Direct Electron Detector for the Application of Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2016, 22, 336-337. | 0.4 | 5 |
| 105 | Quasi-static Tensile and Compressive Behavior of Nanocrystalline Tantalum based on Miniature Specimen Testingâ€”Part I: Materials Processing and Microstructure. Jom, 2016, 68, 2832-2838. | 1.9 | 5 |
| 106 | Termination-Property Coupling via Reversible Oxygen Functionalization of MXenes. ACS Nanoscience Au, 2022, 2, 433-439. | 4.8 | 5 |
| 107 | Structural Investigation of Perovskite Manganite and Ferrite Films on Yttria-Stabilized Zirconia Substrates. Journal of the Electrochemical Society, 2012, 159, F436-F441. | 2.9 | 4 |
| 108 | I2 basal stacking fault as a degradation mechanism in reverse gate-biased AlGaN/GaN HEMTs. Applied Physics Letters, 2016, 109, . | 3.3 | 4 |

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| 109 | Mitigation of hydrogen embrittlement in alloy custom age 625 PLUSÂ® via grain boundary engineering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 818, 141377. | 5.6 | 4 |
| 110 | Evolution of strain in aluminum gallium nitride/gallium nitride high electron mobility transistors under on-state bias. Journal of Applied Physics, 2013, 114, 064507. | 2.5 | 3 |
| 111 | In-situ TEM study of the Corrosion Behavior of Zry-4. Microscopy and Microanalysis, 2014, 20, 1602-1603. | 0.4 | 3 |
| 112 | Thermal Stability of High Entropy Alloys during in Situ TEM Heating.. Microscopy and Microanalysis, 2018, 24, 1928-1929. | 0.4 | 3 |
| 113 | Precision Modification of Microstructure and Properties Through Laser Engraving. Jom, 0, , 1. | 1.9 | 3 |
| 114 | Quasi-static Tensile and Compressive Behavior of Nanocrystalline Tantalum Based on Miniature Specimen Testingâ€"Part II: Mechanical Properties. Jom, 2016, 68, 2839-2846. | 1.9 | 2 |
| 115 | Defect Characterization in Irradiated Nanocrystalline Materials via Automated Crystal Orientation Mapping. Microscopy and Microanalysis, 2017, 23, 2236-2237. | 0.4 | 2 |
| 116 | Multiscale Characterization of Microstructure and Residual Strain Distribution in Additively Manufactured Inconel 625. Microscopy and Microanalysis, 2019, 25, 2586-2587. | 0.4 | 2 |
| 117 | Direct Detection EELS at High Energy: Elemental Mapping and EXELFS. Microscopy and Microanalysis, 2019, 25, 584-585. | 0.4 | 2 |
| 118 | Additive manufacturing of NiZnCu-ferrite soft magnetic composites. Journal of Materials Research, 2021, 36, 3579-3590. | 2.6 | 2 |
| 119 | In-Situ Electron Microscopy Studies of the Effect of Solute Segregation on Grain Boundary Anisotropy and Mobility in an Al-Zr Alloy. Materials Research Society Symposia Proceedings, 2004, 839, 171. | 0.1 | 1 |
| 120 | In-Situ Characterization of the Evolution of Defects in AlGaNGaN HEMTs in the On-state and Off-state condition. Microscopy and Microanalysis, 2014, 20, 1626-1627. | 0.4 | 1 |
| 121 | In-situ TEM Study of the Initial Oxidation Behavior of Zry-4. Microscopy and Microanalysis, 2015, 21, 253-254. | 0.4 | 1 |
| 122 | Advantages of Direct Detection and Electron Counting for Electron Energy Loss Spectroscopy Data Acquisition and the Quest of Extremely High-Energy Edges Using Eels. Microscopy and Microanalysis, 2017, 23, 60-61. | 0.4 | 1 |
| 123 | Applications of Forward Modeling to Refinement of Grain Orientations. Microscopy and Microanalysis, 2017, 23, 594-595. | 0.4 | 1 |
| 124 | Coherency and Thermal Evolution of Metastable and Stable P Phase Precipitates in Aluminum Alloy AA5456. Microscopy and Microanalysis, 2018, 24, 982-983. | 0.4 | 1 |
| 125 | Early Stages of Secondary Phase Formation in Multicomponent Alloys Using an in situ TEM Heating Approach. Microscopy and Microanalysis, 2019, 25, 1536-1537. | 0.4 | 1 |
| 126 | Toward 3D imaging of corrosion at the nanoscale: Cross-sectional analysis of in-situ oxidized TEM samples. Micron, 2019, 120, 91-95. | 2.2 | 1 |

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| 127 | Toward Deterministic Switching in Ferroelectric Systems: Insight Gained from In Situ TEM. Microscopy and Microanalysis, 2015, 21, 1347-1348. | 0.4 | 0 |
| 128 | Electron Beam Induced Domain Motion in Ferroelectric RKTP Observed By Transmission Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 271-272. | 0.4 | 0 |
| 129 | The Perfect Cut: Focused Ion Beam Preparation for In Situ TEM. Microscopy and Microanalysis, 2015, 21, 1403-1404. | 0.4 | 0 |
| 130 | Application of Electron Counting to Electron Energy-loss Spectroscopy and Implications for Low-Dose Characterization. Microscopy and Microanalysis, 2017, 23, 1796-1797. | 0.4 | 0 |
| 131 | Direct Detection Electron Energy-loss Spectroscopy: Applications in Low-dose Chemical Mapping and In Situ Heating+biasing. Microscopy and Microanalysis, 2018, 24, 452-453. | 0.4 | 0 |
| 132 | Unravelling Irradiation-Induced Detwinning Mechanisms via In Situ and Aberration-Corrected TEM combined with Atomistic Simulations. Microscopy and Microanalysis, 2018, 24, 1926-1927. | 0.4 | 0 |
| 133 | In Situ TEM Evidence of Temperature Dependent Defect Morphology in Heavy Ion Irradiated Nanocrystalline Molybdenum. Microscopy and Microanalysis, 2018, 24, 1936-1937. | 0.4 | 0 |
| 134 | Residual Stress Characterization on the Mesoscale in Additive Manufacturing. Microscopy and Microanalysis, 2018, 24, 968-969. | 0.4 | 0 |
| 135 | Application of Forward Modelling and Dictionary Indexing to EBSD Orientation Data as a Means of Quantifying Dislocation Substructure Formation in FCC Metals. Microscopy and Microanalysis, 2019, 25, 208-209. | 0.4 | 0 |
| 136 | Intelligent Microscopy: A Path Toward Tailored Materials at the Atomic Scale. Microscopy and Microanalysis, 2021, 27, 962-963. | 0.4 | 0 |