David W Mccomb

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8982942/publications.pdf

Version: 2024-02-01

279798 233421 2,182 116 23 45 citations h-index g-index papers 118 118 118 3981 docs citations times ranked citing authors all docs

| # | Article | IF | CITATIONS |
|----|---|---|-----------------------------|
| 1 | Room Temperature Intrinsic Ferromagnetism in Epitaxial Manganese Selenide Films in the Monolayer Limit. Nano Letters, 2018, 18, 3125-3131. | 9.1 | 567 |
| 2 | An Orthogonal Array Optimization of Lipid-like Nanoparticles for mRNA Delivery in Vivo. Nano Letters, 2015, 15, 8099-8107. | 9.1 | 182 |
| 3 | Vitamin lipid nanoparticles enable adoptive macrophage transfer for the treatment of multidrug-resistant bacterial sepsis. Nature Nanotechnology, 2020, 15, 41-46. | 31.5 | 159 |
| 4 | Observation of Nanoscale Skyrmions in SrlrO ₃ /SrRuO ₃ Bilayers. Nano Letters, 2019, 19, 3169-3175. | 9.1 | 112 |
| 5 | Semiconductor Nanowire Lightâ€Emitting Diodes Grown on Metal: A Direction Toward Largeâ€Scale Fabrication of Nanowire Devices. Small, 2015, 11, 5402-5408. | 10.0 | 99 |
| 6 | Functionalized lipid-like nanoparticles for in vivo mRNA delivery and base editing. Science Advances, 2020, 6, . | 10.3 | 88 |
| 7 | Metallic ferromagnetic films with magnetic damping under 1.4 × 10â°3. Nature Communications, 2017 234. | 7 . 8 12.'8 | 74 |
| 8 | Intratumoral delivery of IL-12 and IL-27 mRNA using lipid nanoparticles for cancer immunotherapy. Journal of Controlled Release, 2022, 345, 306-313. | 9.9 | 70 |
| 9 | Biomimetic nanoparticles deliver mRNAs encoding costimulatory receptors and enhance T cell mediated cancer immunotherapy. Nature Communications, 2021, 12, 7264. | 12.8 | 55 |
| 10 | Chiral bobbers and skyrmions in epitaxial FeGe/Si(111) films. Physical Review Materials, 2018, 2, . | 2.4 | 52 |
| 11 | Decomposition-Induced Room-Temperature Magnetism of the Na-Intercalated Layered Ferromagnet Fe _{3–<i>x</i>} GeTe ₂ . Nano Letters, 2019, 19, 5031-5035. | 9.1 | 46 |
| 12 | Anomalous Hall effect in noncollinear antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mn</mml:mi><mml:mi .<="" 2019,="" 3,="" films.="" materials,="" physical="" review="" td="" thin=""><td>n⊵.3<td>!:#4/1 > < /mml:</td></td></mml:mi></mml:msub></mml:mrow></mml:math> | n ⊵.3 <td>!:#4/1 > < /mml:</td> | ! :# 4/1 > < /mml: |
| 13 | Chemotherapy drugs derived nanoparticles encapsulating mRNA encoding tumor suppressor proteins to treat triple-negative breast cancer. Nano Research, 2019, 12, 855-861. | 10.4 | 39 |
| 14 | Probing the Source of the Interfacial Dzyaloshinskii-Moriya Interaction Responsible for the Topological Hall Effect in <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mtext>Metal</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mrow><mathvariant="normal">O<td>:7.8 :miml:mi>T</td><td>īm</td></mathvariant="normal"></mml:mrow></mml:msub></mml:mrow></mml:math> | :7.8 :miml:mi>T | īm |
| 15 | Effects of local structural transformation of lipid-like compounds on delivery of messenger RNA. Scientific Reports, 2016, 6, 22137. | 3.3 | 37 |
| 16 | Applications of Electron Channeling Contrast Imaging for the Rapid Characterization of Extended Defects in Ill–V/Si Heterostructures. IEEE Journal of Photovoltaics, 2015, 5, 676-682. | 2.5 | 35 |
| 17 | xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml:msub><mml< td=""><td>3.2</td><td>33</td></mml<></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:msub></mml:mrow> | 3.2 | 33 |
| 18 | Magnetic proximity effect in <mml:math <="" itmost2="" mml:mass="" mml:msub=""></mml:math> epitaxial xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow><mml:mi>Pt</mml:mi><mml:mo>/</mml:mo> mathvariant="normal">O<mml:mn>4</mml:mn></mml:mrow> bilayers. Physical Review Materials, 2018, 2, . | smml:msi 2.4 | դիչ <mml:m< td=""></mml:m<> |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Observation of spin Seebeck contribution to the transverse thermopower in Ni-Pt and MnBi-Au bulk nanocomposites. Nature Communications, 2016, 7, 13714. | 12.8 | 32 |
| 20 | Towards quantitative electrostatic potential mapping of working semiconductor devices using off-axis electron holography. Ultramicroscopy, 2015, 152, 10-20. | 1.9 | 31 |
| 21 | Novel Bacterial Diversity and Fragmented eDNA Identified in Hyperbiofilm-Forming Pseudomonas aeruginosa Rugose Small Colony Variant. IScience, 2020, 23, 100827. | 4.1 | 31 |
| 22 | Regional variation of bone tissue properties at the human mandibular condyle. Bone, 2015, 77, 98-106. | 2.9 | 28 |
| 23 | Probing carbonate in bone forming minerals on the nanometre scale. Acta Biomaterialia, 2015, 20, 129-139. | 8.3 | 28 |
| 24 | Antibiotic-Derived Lipid Nanoparticles to Treat Intracellular <i>Staphylococcus aureus</i> Applied Bio Materials, 2019, 2, 1270-1277. | 4.6 | 22 |
| 25 | Investigation of the Role of Rare-Earth Elements in Spin-Hall Topological Hall Effect in Pt/Ferrimagnetic-Garnet Bilayers. Nano Letters, 2020, 20, 4667-4672. | 9.1 | 18 |
| 26 | Direct Nanoscale Characterization of Deep Levels in AgCuInGaSe < sub>2 < /sub> Using Electron Energyâ€Loss Spectroscopy in the Scanning Transmission Electron Microscope. Advanced Energy Materials, 2019, 9, 1901612. | 19.5 | 16 |
| 27 | Measurement of optical properties in organic photovoltaic materials using monochromated electron energy-loss spectroscopy. Journal of Materials Chemistry A, 2016, 4, 13636-13645. | 10.3 | 15 |
| 28 | Bandgap profiling in CIGS solar cells via valence electron energy-loss spectroscopy. Journal of Applied Physics, 2018, 123, . | 2.5 | 11 |
| 29 | MMP20-generated amelogenin cleavage products prevent formation of fan-shaped enamel malformations. Scientific Reports, 2021, 11, 10570. | 3.3 | 11 |
| 30 | Stimulated Nucleation of Skyrmions in a Centrosymmetric Magnet. ACS Nano, 2021, 15, 13495-13503. | 14.6 | 11 |
| 31 | Co-delivery of mRNA and SPIONs through amino-ester nanomaterials. Nano Research, 2018, 11, 5596-5603. | 10.4 | 10 |
| 32 | Electron Microscopy Reveals Structural and Chemical Changes at the Nanometer Scale in the <i>Osteogenesis Imperfecta Murine</i> Pathology. ACS Biomaterials Science and Engineering, 2017, 3, 2788-2797. | 5.2 | 9 |
| 33 | High-resolution monochromated electron energy-loss spectroscopy of organic photovoltaic materials. Ultramicroscopy, 2017, 180, 125-132. | 1.9 | 8 |
| 34 | Nano-Cathodoluminescence Measurement of Asymmetric Carrier Trapping and Radiative Recombination in GaN and InGaN Quantum Disks. Microscopy and Microanalysis, 2018, 24, 93-98. | 0.4 | 7 |
| 35 | Identification of Ge vacancies as electronic defects in methyl- and hydrogen-terminated germanane. Applied Physics Letters, 2018, 113, 061110. | 3.3 | 7 |
| 36 | Enhanced uniformity of III-nitride nanowire arrays on bulk metallic glass and nanocrystalline substrates. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, . | 1.2 | 7 |

3

| # | Article | IF | Citations |
|----|---|-------------|-----------|
| 37 | Epitaxial Co50Fe50(110)/Pt(111) films on MgAl2O4(001) and its enhancement of perpendicular magnetic anisotropy. Journal of Applied Physics, 2019, 125, 183903. | 2.5 | 7 |
| 38 | Cryo-electron microscopy instrumentation and techniques for life sciences and materials science. MRS Bulletin, 2019, 44, 929-934. | 3.5 | 7 |
| 39 | Extracting weak magnetic contrast from complex background contrast in plan-view FeGe thin films. Ultramicroscopy, 2022, 232, 113395. | 1.9 | 7 |
| 40 | STO/BTO Modulated Superlattice Multilayer Structures with Atomically Sharp Interfaces. Advanced Materials Interfaces, 2014, 1, 1300116. | 3.7 | 6 |
| 41 | Multimodal Evidence of Mesostructured Calcium Fatty Acid Deposits in Human Hair and Their Role on Hair Properties. ACS Applied Bio Materials, 2018, 1, 1174-1183. | 4.6 | 6 |
| 42 | Manipulating acoustic and plasmonic modes in gold nanostars. Nanoscale Advances, 2019, 1, 2690-2698. | 4.6 | 6 |
| 43 | Construction of Messenger RNA (mRNA) Probes Delivered By Lipid Nanoparticles to Visualize Intracellular Protein Expression and Localization at Organelles. Advanced Materials, 2021, 33, 2103131. | 21.0 | 6 |
| 44 | Designer Extracellular Vesicles Modulate Proâ€Neuronal Cell Responses and Improve Intracranial Retention. Advanced Healthcare Materials, 2022, , 2100805. | 7.6 | 6 |
| 45 | Measuring optical properties of individual SnO2 nanowires via valence electron energy-loss spectroscopy. Journal of Materials Research, 2017, 32, 2479-2486. | 2.6 | 5 |
| 46 | Nanoanalytical electron microscopy of events predisposing to mineralisation of turkey tendon. Scientific Reports, 2018, 8, 3024. | 3.3 | 5 |
| 47 | Ferromagnetic Epitaxial $\hat{l}\frac{1}{4}$ -Fe2O3 on \hat{l}^2 -Ga2O3: A New Monoclinic Form of Fe2O3. Crystal Growth and Design, 2019, 19, 4205-4211. | 3.0 | 5 |
| 48 | Atomic layer epitaxy of kagome magnet Fe3Sn2 and Sn-modulated heterostructures. APL Materials, 2022, 10, . | 5.1 | 5 |
| 49 | Super-X EDS Characterization of Chemical Segregation within a Superlattice Extrinsic Stacking Fault of a Ni- based Superalloy. Microscopy and Microanalysis, 2015, 21, 493-494. | 0.4 | 4 |
| 50 | Remote Operation: The Future of Education and Research in Electron Microscopy. Microscopy Today, 2018, 26, 26-33. | 0.3 | 4 |
| 51 | Identification of turbostratic twisting in germanane. Journal of Materials Chemistry C, 2019, 7, 10092-10097. | 5. 5 | 4 |
| 52 | Probing the electronic structure at the heterovalent GaP/Si interface using electron energy-loss spectroscopy. , 2016, , . | | 3 |
| 53 | FIB/SEM Tomography of Wound Biofilm. Microscopy and Microanalysis, 2015, 21, 205-206. | 0.4 | 2 |
| 54 | Room-Temperature Routes Toward the Creation of Zinc Oxide Films from Molecular Precursors. ACS Omega, 2017, 2, 98-104. | 3.5 | 2 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | STEM Observation of eDNA as a Dominant Component of EPS in Pseudomonas aeruginosa Biofilm. Microscopy and Microanalysis, 2018, 24, 1334-1335. | 0.4 | 2 |
| 56 | Heterodimeric Plasmonic Nanogaps for Biosensing. Micromachines, 2018, 9, 664. | 2.9 | 2 |
| 57 | Electron Energy Loss Spectroscopy and Localized Cathodoluminescence Characterization of GaN Quantum Discs. Microscopy and Microanalysis, 2014, 20, 578-579. | 0.4 | 1 |
| 58 | 3D Visualization of Motor-Neurons in Mice Spinal Cord Using FIBSEM Tomography. Microscopy and Microanalysis, 2014, 20, 1400-1401. | 0.4 | 1 |
| 59 | Correlative STEM-Cathodoluminescence and Low-Loss EELS of Semiconducting Oxide Nano-Heterostructures for Resistive Gas-Sensing Applications. Microscopy and Microanalysis, 2015, 21, 1255-1256. | 0.4 | 1 |
| 60 | Characterization of Stannous Fluoride Uptake in Human Dentine by Super-X XEDS and Dual-EELS analysis. Microscopy and Microanalysis, 2015, 21, 1231-1232. | 0.4 | 1 |
| 61 | Site-Specific TEM Specimen Preparation of Samples with Sub-Surface Features. Microscopy and Microanalysis, 2015, 21, 2157-2158. | 0.4 | 1 |
| 62 | Practical Considerations for High-Resolution Transmission Kikuchi Diffraction Mapping and Analysis in Titanium Alloys. Microscopy and Microanalysis, 2016, 22, 636-637. | 0.4 | 1 |
| 63 | Accessing High Spatial Resolution Low-Loss EELS Information without Cerenkov Radiation. Microscopy and Microanalysis, 2016, 22, 976-977. | 0.4 | 1 |
| 64 | Electron Diffraction of Germanane. Microscopy and Microanalysis, 2017, 23, 1744-1745. | 0.4 | 1 |
| 65 | Correlative 3D Imaging and Characterization of Human Dentine. Microscopy and Microanalysis, 2017, 23, 330-331. | 0.4 | 1 |
| 66 | An Electron Microscopy Collaboratory for Correlative Imaging Sciences. Microscopy and Microanalysis, 2019, 25, 2294-2295. | 0.4 | 1 |
| 67 | Investigation of Antiphase Domain Boundaries in Cobalt Ferrite Thin Films via High Resolution Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2020, 26, 972-974. | 0.4 | 1 |
| 68 | Spatial Frequency Selection in Lorentz 4D-Scanning Transmission Electron Microscopy Reconstruction. Microscopy and Microanalysis, 2020, 26, 1902-1905. | 0.4 | 1 |
| 69 | On the shape and structure of the murine pulmonary heart valve. Scientific Reports, 2021, 11, 14078. | 3.3 | 1 |
| 70 | Direct imaging of skyrmion in plan-view of a polycrystalline FeGe thin film. Microscopy and Microanalysis, 2021, 27, 232-233. | 0.4 | 1 |
| 71 | Quantifying Jahn-Teller distortion at the nanoscale with picometer accuracy using position averaged convergent beam electron diffraction. Physical Review Research, 2019, 1, . | 3.6 | 1 |
| 72 | Interface-induced ferromagnetism in $\hat{l}\frac{1}{4}$ -Fe2O3 \hat{l}^2 -Ga2O3 superlattices. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, . | 2.1 | 1 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Understanding B-Site Disorder in HAADF-STEM Images of Double Perovskite Thin Films Using the Quantum Excitation of Phonons Model. Microscopy and Microanalysis, 2014, 20, 184-185. | 0.4 | O |
| 74 | Monochromated Electron Energy-Loss Spectroscopy Spectrum Imaging of Organic Photovoltaic Devices. Microscopy and Microanalysis, 2014, 20, 400-401. | 0.4 | 0 |
| 75 | Investigation of the Use of Stereo-Pair Data Sets in Electron Tomography Characterization of Organic-Based Solar Cells. Microscopy and Microanalysis, 2014, 20, 550-551. | 0.4 | 0 |
| 76 | Using Electron Channeling Contrast Imaging for Misfit Dislocation Characterization in Heteroepitaxial III-V/Si Thin Films. Microscopy and Microanalysis, 2014, 20, 552-553. | 0.4 | 0 |
| 77 | Performance of an Improved TEM SDD Detector. Microscopy and Microanalysis, 2014, 20, 608-609. | 0.4 | 0 |
| 78 | Characterizing Atomic Ordering of High Entropy Alloys Using Super-X EDS Characterization. Microscopy and Microanalysis, 2015, 21, 1225-1226. | 0.4 | 0 |
| 79 | Probing Bonding Environments in Osmium-Based Double Perovskites Using Monochromated Dual Electron-Energy Loss Spectroscopy. Microscopy and Microanalysis, 2015, 21, 2365-2366. | 0.4 | 0 |
| 80 | Variable Angle Spectroscopic Ellipsometry and Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2015, 21, 1471-1472. | 0.4 | 0 |
| 81 | Electron Energy-Loss Spectroscopy of Organic Photovoltaics. Microscopy and Microanalysis, 2015, 21, 1467-1468. | 0.4 | 0 |
| 82 | Novel Applications of Electron Channeling Contrast Imaging. Microscopy and Microanalysis, 2015, 21, 1897-1898. | 0.4 | 0 |
| 83 | Considerations for Physical Facility Design and Management of a State-of-the-Art Electron Microscopy and Analysis Laboratory. Microscopy and Microanalysis, 2015, 21, 525-526. | 0.4 | 0 |
| 84 | EELS Investigations of Aging Mechanisms in LiFePO4 Cathodes Resulting From Prolonged Electrochemical Cycling. Microscopy and Microanalysis, 2015, 21, 323-324. | 0.4 | 0 |
| 85 | Advancement of Heteroepitaxial III-V/Si Thin Films through Defect Characterization. Microscopy and Microanalysis, 2016, 22, 1538-1539. | 0.4 | 0 |
| 86 | Novel Investigative Preparation of Human Hair. Microscopy and Microanalysis, 2016, 22, 188-189. | 0.4 | 0 |
| 87 | Ferritin Mineral Core Composition in Health and Disease. Microscopy and Microanalysis, 2016, 22, 1156-1157. | 0.4 | 0 |
| 88 | Electronic Structure Analysis Of Aged Commercial LiFePO 4 Battery Cathodes Using Low Loss Electron Energy Loss Spectroscopy. Microscopy and Microanalysis, 2016, 22, 1330-1331. | 0.4 | 0 |
| 89 | Mapping Trends in Electronic Structure Variation With Aging in LiFePO 4 Cathodes: A Lorentz Oscillator Model Approach. Microscopy and Microanalysis, 2016, 22, 1354-1355. | 0.4 | 0 |
| 90 | Initial Results From a CdTe High-Energy X-ray Detector on a TEM. Microscopy and Microanalysis, 2016, 22, 312-313. | 0.4 | 0 |

| # | Article | IF | Citations |
|-----|--|-----|-----------|
| 91 | Characterizing Atomic Ordering in Intermetallic Compounds Using X-ray Energy Dispersive Spectroscopy in an Aberration-Corrected (S)TEM. Microscopy and Microanalysis, 2016, 22, 1266-1267. | 0.4 | O |
| 92 | Composition of Epitaxial ZrO 2:Y2O3/SrTiO 3 Heterostructures. Microscopy and Microanalysis, 2016, 22, 1356-1357. | 0.4 | 0 |
| 93 | Monochromated Electron Energy-Loss Spectroscopy of Organic Photovoltaics. Microscopy and Microanalysis, 2016, 22, 958-959. | 0.4 | O |
| 94 | Optimized Damage-Reduction 60 keV Monochromated Electron Energy-Loss Spectroscopy Measurements of Optical Properties at the Donor/Acceptor Interface in Organic Photovoltaic Devices. Microscopy and Microanalysis, 2016, 22, 984-985. | 0.4 | 0 |
| 95 | Correlative Microscopy Application in Spinal Cord Injury Research. Microscopy and Microanalysis, 2016, 22, 204-205. | 0.4 | O |
| 96 | Monochromated Electron Energy-Loss Spectroscopy of Lead-Free Halide Perovskite Semiconductors. Microscopy and Microanalysis, 2017, 23, 2098-2099. | 0.4 | 0 |
| 97 | Cell interactions in Wound Biofilm and in vitro Biofilm Revealed by Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1286-1287. | 0.4 | 0 |
| 98 | Detecting Sub Bandgap Energies in CIGS with Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2017, 23, 1546-1547. | 0.4 | 0 |
| 99 | Determining Optical Absorption Coefficients in Beam Sensitive Materials using Monochromated Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2017, 23, 1810-1811. | 0.4 | 0 |
| 100 | $\hat{A} \pounds$ Factor and k-Factor Determination Using Needle Samples. Microscopy and Microanalysis, 2017, 23, 506-507. | 0.4 | 0 |
| 101 | Nanoscale Detection of Deep Levels in CIGS using Electron Energy Loss Spectroscopy. , 2017, , . | | 0 |
| 102 | Correlative Imaging of Murine Pulmonary Valve Extracellular Matrix. Microscopy and Microanalysis, 2017, 23, 358-359. | 0.4 | 0 |
| 103 | Workflow for Correlatively Imaging Mouse Pulmonary Valve Extracellular Matrix. Microscopy and Microanalysis, 2018, 24, 1436-1437. | 0.4 | 0 |
| 104 | High Resolution Scanning Transmission Electron Microscopy of Normal and Inverse Spinel Regions in Epitaxially Grown CoFe2O4. Microscopy and Microanalysis, 2018, 24, 70-71. | 0.4 | 0 |
| 105 | Monochromated Electron Energy-Loss Spectroscopy of Interfaces in Beam Sensitive Materials. Microscopy and Microanalysis, 2018, 24, 1986-1987. | 0.4 | 0 |
| 106 | Characterization of Sub-Bandgap Energy States in CulnxGa(i-x)Se2 and Transparent Conducting Oxides with Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2018, 24, 456-457. | 0.4 | 0 |
| 107 | The Effect of Nonuniform Pixel Responses in CCD on Quantitative Analysis. Microscopy and Microanalysis, 2019, 25, 230-231. | 0.4 | 0 |
| 108 | Investigation of Spin Manipulation in Pt/CoFe2O4 via Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2019, 25, 958-959. | 0.4 | 0 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | A Correlative Imaging Approach for Extracellular Matrix Characterization in Mice. Microscopy and Microanalysis, 2019, 25, 1134-1135. | 0.4 | 0 |
| 110 | Nanoscale Quantification of Jahn-Teller Distortion in LaMnO3. Microscopy and Microanalysis, 2019, 25, 80-81. | 0.4 | 0 |
| 111 | Characterization of Sub-Bandgap Plasmon Excitations in Transparent Conducting Oxides with Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2019, 25, 600-601. | 0.4 | О |
| 112 | Imaging and analysis of low atomic number materials in the STEM. Microscopy and Microanalysis, 2019, 25, 1734-1735. | 0.4 | 0 |
| 113 | Microcrystal electron diffraction of the peptide Gramicidin D. Microscopy and Microanalysis, 2021, 27, 1522-1523. | 0.4 | О |
| 114 | In-situ observation of the in-plane field induced nucleation of skyrmion using Lorentz-TEM. Microscopy and Microanalysis, 2021, 27, 380-381. | 0.4 | 0 |
| 115 | Vibrational Spectroscopy of Beam-Sensitive Materials in the Transmission Electron Microscope. Microscopy and Microanalysis, 2021, 27, 592-594. | 0.4 | 0 |
| 116 | Lorentz Transmission Electron Microscopy Imaging of Magnetic Textures in MnBi. Microscopy and Microanalysis, 2021, 27, 2178-2179. | 0.4 | 0 |