

Nathan A Mara

List of Publications by Year in descending order

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132
papers

6,583
citations

50170

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77
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docs citations

133
times ranked

3877
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Radiation damage tolerant nanomaterials. <i>Materials Today</i> , 2013, 16, 443-449. | 8.3 | 423 |
| 2 | Design of Radiation Tolerant Materials Via Interface Engineering. <i>Advanced Materials</i> , 2013, 25, 6975-6979. | 11.1 | 307 |
| 3 | High-strength and thermally stable bulk nanolayered composites due to twin-induced interfaces. <i>Nature Communications</i> , 2013, 4, 1696. | 5.8 | 298 |
| 4 | Deformability of ultrahigh strength 5nm Cu-Nb nanolayered composites. <i>Applied Physics Letters</i> , 2008, 92, . | 1.5 | 239 |
| 5 | Bulk texture evolution of Cu-Nb nanolamellar composites during accumulative roll bonding. <i>Acta Materialia</i> , 2012, 60, 1576-1586. | 3.8 | 197 |
| 6 | Suppression of irradiation hardening in nanoscale V/Ag multilayers. <i>Acta Materialia</i> , 2011, 59, 6331-6340. | 3.8 | 164 |
| 7 | Mechanism for shear banding in nanolayered composites. <i>Applied Physics Letters</i> , 2010, 97, . | 1.5 | 154 |
| 8 | Emergence of stable interfaces under extreme plastic deformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4386-4390. | 3.3 | 150 |
| 9 | Interface-driven microstructure development and ultra high strength of bulk nanostructured Cu-Nb multilayers fabricated by severe plastic deformation. <i>Journal of Materials Research</i> , 2013, 28, 1799-1812. | 1.2 | 142 |
| 10 | Structure-Property-Functionality of Bimetal Interfaces. <i>Jom</i> , 2012, 64, 1192-1207. | 0.9 | 140 |
| 11 | A study of microstructure-driven strain localizations in two-phase polycrystalline HCP/BCC composites using a multi-scale model. <i>International Journal of Plasticity</i> , 2015, 74, 35-57. | 4.1 | 137 |
| 12 | Compressive flow behavior of Al-TiN multilayers at nanometer scale layer thickness. <i>Acta Materialia</i> , 2011, 59, 3804-3816. | 3.8 | 134 |
| 13 | Texture evolution via combined slip and deformation twinning in rolled silver-copper cast eutectic nanocomposite. <i>International Journal of Plasticity</i> , 2011, 27, 121-146. | 4.1 | 127 |
| 14 | Plastic instability mechanisms in bimetallic nanolayered composites. <i>Acta Materialia</i> , 2014, 79, 282-291. | 3.8 | 124 |
| 15 | Texture evolution in two-phase Zr/Nb lamellar composites during accumulative roll bonding. <i>International Journal of Plasticity</i> , 2014, 57, 16-28. | 4.1 | 112 |
| 16 | Review: effect of bimetal interface structure on the mechanical behavior of Cu-Nb fcc-bcc nanolayered composites. <i>Journal of Materials Science</i> , 2014, 49, 6497-6516. | 1.7 | 108 |
| 17 | Deformation twinning mechanisms from bimetal interfaces as revealed by in situ straining in the TEM. <i>Acta Materialia</i> , 2012, 60, 5858-5866. | 3.8 | 94 |
| 18 | Anomalous Basal Slip Activity in Zirconium under High-strain Deformation. <i>Materials Research Letters</i> , 2013, 1, 133-140. | 4.1 | 93 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Shear band formation and ductility in bulk metallic glass. Philosophical Magazine, 2005, 85, 2671-2687. | 0.7 | 91 |
| 20 | Deformation and failure of shocked bulk Cu-Nb nanolaminates. Acta Materialia, 2014, 63, 150-161. | 3.8 | 88 |
| 21 | Experimentally quantifying critical stresses associated with basal slip and twinning in magnesium using micropillars. Acta Materialia, 2017, 135, 411-421. | 3.8 | 87 |
| 22 | Interface-facilitated deformation twinning in copper within submicron Ag-Cu multilayered composites. Scripta Materialia, 2011, 64, 1083-1086. | 2.6 | 81 |
| 23 | Bulk texture evolution of nanolamellar Zr-Nb composites processed via accumulative roll bonding. Acta Materialia, 2015, 92, 97-108. | 3.8 | 79 |
| 24 | Tensile behavior and flow stress anisotropy of accumulative roll bonded Cu-Nb nanolaminates. Applied Physics Letters, 2016, 108, . | 1.5 | 78 |
| 25 | Atomic-level study of twin nucleation from face-centered-cubic/body-centered-cubic interfaces in nanolamellar composites. Applied Physics Letters, 2012, 100, . | 1.5 | 76 |
| 26 | Size effects in the superelastic response of Ni ₅₄ Fe ₁₉ Ga ₂₇ shape memory alloy pillars with a two stage martensitic transformation. Acta Materialia, 2012, 60, 5670-5685. | 3.8 | 75 |
| 27 | Strain fields induced by kink band propagation in Cu-Nb nanolaminate composites. Acta Materialia, 2017, 133, 303-315. | 3.8 | 74 |
| 28 | Modeling the texture evolution of Cu/Nb layered composites during rolling. International Journal of Plasticity, 2013, 49, 71-84. | 4.1 | 72 |
| 29 | Processing Parameter Influence on Texture and Microstructural Evolution in Cu-Nb Multilayer Composites Fabricated via Accumulative Roll Bonding. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2192-2208. | 1.1 | 67 |
| 30 | Strong and ductile nanostructured Cu-carbon nanotube composite. Applied Physics Letters, 2009, 95, 071907. | 1.5 | 65 |
| 31 | Twinnability of bimetal interfaces in nanostructured composites. Materials Research Letters, 2013, 1, 89-95. | 4.1 | 65 |
| 32 | Engineering Interface Structures and Thermal Stabilities via SPD Processing in Bulk Nanostructured Metals. Scientific Reports, 2014, 4, 4226. | 1.6 | 65 |
| 33 | Transmission electron microscopy study of the deformation behavior of Cu/Nb and Cu/Ni nanoscale multilayers during nanoindentation. Journal of Materials Research, 2009, 24, 1291-1302. | 1.2 | 64 |
| 34 | Structure and Property of Interfaces in ARB Cu/Nb Laminated Composites. Jom, 2012, 64, 1208-1217. | 0.9 | 63 |
| 35 | The critical role of grain orientation and applied stress in nanoscale twinning. Nature Communications, 2014, 5, 3806. | 5.8 | 62 |
| 36 | Microcompression study of Al-Nb nanoscale multilayers. Journal of Materials Research, 2012, 27, 592-598. | 1.2 | 58 |

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|----|---|-----|-----------|
| 37 | Microstructural evolution of nanolayered Cu–Nb composites subjected to high-pressure torsion. <i>Acta Materialia</i> , 2014, 72, 178-191. | 3.8 | 57 |
| 38 | Effects of Helium Implantation on the Tensile Properties and Microstructure of Ni ₇₃ P ₂₇ Metallic Glass Nanostructures. <i>Nano Letters</i> , 2014, 14, 5176-5183. | 4.5 | 55 |
| 39 | Strong, Ductile, and Thermally Stable bcc-Mg Nanolaminates. <i>Scientific Reports</i> , 2017, 7, 8264. | 1.6 | 53 |
| 40 | He implantation of bulk Cu–Nb nanocomposites fabricated by accumulated roll bonding. <i>Journal of Nuclear Materials</i> , 2014, 452, 57-60. | 1.3 | 50 |
| 41 | Microstructure and texture evolution in Mg/Nb layered materials made by accumulative roll bonding. <i>International Journal of Plasticity</i> , 2020, 125, 1-26. | 4.1 | 50 |
| 42 | High-temperature mechanical behavior/microstructure correlation of Cu/Nb nanoscale multilayers. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 493, 274-282. | 2.6 | 49 |
| 43 | Interface-dominant multilayers fabricated by severe plastic deformation: Stability under extreme conditions. <i>Current Opinion in Solid State and Materials Science</i> , 2015, 19, 265-276. | 5.6 | 49 |
| 44 | Epitaxial Superconducting Î-MoN Films Grown by a Chemical Solution Method. <i>Journal of the American Chemical Society</i> , 2011, 133, 20735-20737. | 6.6 | 48 |
| 45 | Effect of double ion implantation and irradiation by Ar and He ions on nano-indentation hardness of metallic alloys. <i>Journal of Nuclear Materials</i> , 2013, 438, 108-115. | 1.3 | 48 |
| 46 | Enhanced Plasticity via Kinking in Cubic Metallic Nanolaminates. <i>Advanced Engineering Materials</i> , 2015, 17, 781-785. | 1.6 | 47 |
| 47 | Mechanical Properties of Anhydrous and Hydrated Uric Acid Crystals. <i>Chemistry of Materials</i> , 2018, 30, 3798-3805. | 3.2 | 46 |
| 48 | Suppression of shear banding in high-strength Cu/Mo nanocomposites with hierarchical bicontinuous intertwined structures. <i>Materials Research Letters</i> , 2018, 6, 184-190. | 4.1 | 45 |
| 49 | Chemical Solution Deposition of Epitaxial Carbide Films. <i>Journal of the American Chemical Society</i> , 2010, 132, 2516-2517. | 6.6 | 44 |
| 50 | Shear band formation and ductility of metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 383, 219-223. | 2.6 | 43 |
| 51 | Optimum high temperature strength of two-dimensional nanocomposites. <i>APL Materials</i> , 2013, 1, . | 2.2 | 43 |
| 52 | Misfit dislocation patterns of Mg-Nb interfaces. <i>Acta Materialia</i> , 2017, 126, 552-563. | 3.8 | 43 |
| 53 | Room temperature deformation mechanisms of Mg/Nb nanolayered composites. <i>Journal of Materials Research</i> , 2018, 33, 1311-1332. | 1.2 | 43 |
| 54 | <i>In situ</i> x-ray investigation of freestanding nanoscale Cu–Nb multilayers under tensile load. <i>Applied Physics Letters</i> , 2009, 94, . | 1.5 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Cooperative grain boundary sliding in nanocrystalline materials. <i>Philosophical Magazine</i> , 2006, 86, 5797-5804. | 0.7 | 41 |
| 56 | Adhesion of voids to bimetal interfaces with non-uniform energies. <i>Scientific Reports</i> , 2015, 5, 15428. | 1.6 | 41 |
| 57 | Influence of slip and twinning on the crystallographic stability of bimetal interfaces in nanocomposites under deformation. <i>Acta Materialia</i> , 2014, 72, 137-147. | 3.8 | 40 |
| 58 | Spherical nanoindentation of proton irradiated 304 stainless steel: A comparison of small scale mechanical test techniques for measuring irradiation hardening. <i>Journal of Nuclear Materials</i> , 2017, 493, 368-379. | 1.3 | 40 |
| 59 | Quantifying the mechanical effects of He, W and He+ ^W ion irradiation on tungsten with spherical nanoindentation. <i>Journal of Materials Science</i> , 2018, 53, 5296-5316. | 1.7 | 39 |
| 60 | Mechanical properties of metal-ceramic nanolaminates: Effect of constraint and temperature. <i>Acta Materialia</i> , 2018, 142, 37-48. | 3.8 | 39 |
| 61 | The effects of decreasing layer thickness on the high temperature mechanical behavior of Cu/Nb nanoscale multilayers. <i>Thin Solid Films</i> , 2007, 515, 3241-3245. | 0.8 | 37 |
| 62 | Grain boundary sliding in nanomaterials at elevated temperatures. <i>Journal of Materials Science</i> , 2007, 42, 1433-1438. | 1.7 | 36 |
| 63 | Processing and Deformation Behavior of Bulk Cu+ ^{Nb} Nanolaminates. <i>Metallography, Microstructure, and Analysis</i> , 2014, 3, 470-476. | 0.5 | 36 |
| 64 | Probing nanoscale damage gradients in ion-irradiated metals using spherical nanoindentation. <i>Scientific Reports</i> , 2017, 7, 11918. | 1.6 | 35 |
| 65 | Slip transmission of high angle grain boundaries in body-centered cubic metals: Micropillar compression of pure Ta single and bi-crystals. <i>Acta Materialia</i> , 2018, 156, 356-368. | 3.8 | 35 |
| 66 | Superplasticity and cooperative grain boundary sliding in nanocrystalline Ni3Al. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 463, 238-244. | 2.6 | 34 |
| 67 | Indentation Fracture Response of Al+ ^{TiN} Nanolaminates. <i>Materials Research Letters</i> , 2013, 1, 102-108. | 4.1 | 33 |
| 68 | A wedge-mounting technique for nanoscale electron backscatter diffraction. <i>Journal of Applied Physics</i> , 2013, 113, . | 1.1 | 33 |
| 69 | Hardening due to Interfacial He Bubbles in Nanolayered Composites. <i>Materials Research Letters</i> , 2016, 4, 75-82. | 4.1 | 32 |
| 70 | Deformation response of AgCu interfaces investigated by in situ and ex situ TEM straining and MD simulations. <i>Acta Materialia</i> , 2017, 138, 212-223. | 3.8 | 32 |
| 71 | Micromechanical and in situ shear testing of Al+ ^{SiC} nanolaminate composites in a transmission electron microscope (TEM). <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 621, 229-235. | 2.6 | 30 |
| 72 | Effects of He radiation on cavity distribution and hardness of bulk nanolayered Cu-Nb composites. <i>Journal of Nuclear Materials</i> , 2017, 487, 311-316. | 1.3 | 28 |

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|----|--|-----|-----------|
| 73 | Morphology and porosity of nanoporous Au thin films formed by dealloying of AuSi11x. Journal of Applied Physics, 2012, 112, . | 1.1 | 26 |
| 74 | An interface facet driven Rayleigh instability in high-aspect-ratio bimetallic nanolayered composites. Applied Physics Letters, 2014, 105, . | 1.5 | 25 |
| 75 | Simultaneous High-Strength and Deformable Nanolaminates With Thick Biphase Interfaces. Nano Letters, 2022, 22, 1897-1904. | 4.5 | 25 |
| 76 | Spray-Dried Multiscale Nano-biocomposites Containing Living Cells. ACS Nano, 2015, 9, 6961-6977. | 7.3 | 24 |
| 77 | Investigations of orientation and length scale effects on micromechanical responses in polycrystalline zirconium using spherical nanoindentation. Scripta Materialia, 2016, 113, 241-245. | 2.6 | 22 |
| 78 | Mechanical response of Zr-based metallic glass. Journal of Non-Crystalline Solids, 2003, 317, 169-175. | 1.5 | 20 |
| 79 | Ultrahigh Strength and Ductility of Cu-Nb Nanolayered Composites. Materials Science Forum, 0, 633-634, 647-653. | 0.3 | 19 |
| 80 | Interface-Driven Plasticity in Metal-Ceramic Nanolayered Composites: Direct Validation of Multiscale Deformation Modeling via In Situ Indentation in TEM. Jom, 2016, 68, 143-150. | 0.9 | 19 |
| 81 | Residual strain and texture in free-standing nanoscale Cu-Nb multilayers. Journal of Applied Physics, 2007, 102, . | 1.1 | 18 |
| 82 | Plasticity at really diminished length scales. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 463, 8-13. | 2.6 | 18 |
| 83 | The Suppression of Instabilities via Biphase Interfaces During Bulk Fabrication of Nanograined Zr. Materials Research Letters, 2015, 3, 50-57. | 4.1 | 18 |
| 84 | Hierarchical and heterogeneous multiphase metallic nanomaterials and laminates. MRS Bulletin, 2021, 46, 236-243. | 1.7 | 18 |
| 85 | Role of interfaces on the trapping of He in 2D and 3D Cu-Nb nanocomposites. Journal of Nuclear Materials, 2015, 466, 36-42. | 1.3 | 16 |
| 86 | Maintaining nano-lamellar microstructure in friction stir welding (FSW) of accumulative roll bonded (ARB) Cu-Nb nano-lamellar composites (NLC). Journal of Materials Science and Technology, 2018, 34, 92-101. | 5.6 | 16 |
| 87 | High-Throughput Nanomechanical Screening of Phase-Specific and Temperature-Dependent Hardness in AlxFeCrNiMn High-Entropy Alloys. Jom, 2019, 71, 3368-3377. | 0.9 | 16 |
| 88 | Mechanically controlling the reversible phase transformation from zinc blende to wurtzite in AlN. Materials Research Letters, 2017, 5, 426-432. | 4.1 | 15 |
| 89 | In situ frustum indentation of nanoporous copper thin films. International Journal of Plasticity, 2017, 98, 139-155. | 4.1 | 15 |
| 90 | Microstructure Evolution and Mechanical Response of Nanolaminate Composites Irradiated with Helium at Elevated Temperatures. Jom, 2017, 69, 2206-2213. | 0.9 | 14 |

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| 91 | Meso-Scale Modeling the Orientation and Interface Stability of Cu/Nb-Layered Composites by Rolling. <i>Jom</i> , 2013, 65, 431-442. | 0.9 | 13 |
| 92 | Interface-Driven Plasticity: The Presence of an Interface Affected Zone in Metallic Lamellar Composites. <i>Advanced Engineering Materials</i> , 2015, 17, 109-114. | 1.6 | 13 |
| 93 | Microstructure and mechanical properties of co-sputtered Al-SiC composites. <i>Materials and Design</i> , 2019, 168, 107670. | 3.3 | 13 |
| 94 | Quantifying heterogeneous deformation in grain boundary regions on shock loaded tantalum using spherical and sharp tip nanoindentation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 737, 373-382. | 2.6 | 12 |
| 95 | Phase-field modeling of the interactions between an edge dislocation and an array of obstacles. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 389, 114426. | 3.4 | 12 |
| 96 | Aligned carbon nanotubes sandwiched in epitaxial NbC film for enhanced superconductivity. <i>Nanoscale</i> , 2012, 4, 2268. | 2.8 | 11 |
| 97 | Interfacially Driven Deformation Twinning in Bulk Ag-Cu Composites. <i>Jom</i> , 2012, 64, 1218-1226. | 0.9 | 11 |
| 98 | Synthesis and mechanical behavior of nanoporous nanotwinned copper. <i>Applied Physics Letters</i> , 2013, 103, . | 1.5 | 11 |
| 99 | A multi-scale model for texture development in Zr/Nb nanolayered composites processed by accumulative roll bonding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 63, 012170. | 0.3 | 11 |
| 100 | A comparison of adiabatic shear bands in wrought and additively manufactured 316L stainless steel using nanoindentation and electron backscatter diffraction. <i>Journal of Materials Science</i> , 2020, 55, 1738-1752. | 1.7 | 11 |
| 101 | Processing of Dilute Mg-Zn-Mn-Ca Alloy/Nb Multilayers by Accumulative Roll Bonding. <i>Advanced Engineering Materials</i> , 2020, 22, 1900673. | 1.6 | 11 |
| 102 | Identifying Deformation and Strain Hardening Behaviors of Nanoscale Metallic Multilayers Through Nano-wear Testing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 1083-1095. | 1.1 | 10 |
| 103 | Structure and properties of pseudomorphically transformed bcc Mg in Mg/Nb multilayered nanolaminates studied using synchrotron X-ray diffraction. <i>Journal of Applied Physics</i> , 2019, 126, 025302. | 1.1 | 10 |
| 104 | Effects of Phase Purity and Pore Reinforcement on Mechanical Behavior of NU-1000 and Silica-Infiltrated NU-1000 Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49971-49981. | 4.0 | 10 |
| 105 | Nanomechanical mapping and strain rate sensitivity of microcrystalline cellulose. <i>Journal of Materials Research</i> , 2021, 36, 2251-2265. | 1.2 | 10 |
| 106 | Mechanical Properties of Metal Nanolaminates. <i>Annual Review of Materials Research</i> , 2022, 52, 281-304. | 4.3 | 10 |
| 107 | Multiscale Model for the Extreme Piezoresistivity in Silicone/Nickel Nanostrand Nanocomposites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 3898-3906. | 1.1 | 9 |
| 108 | Recrystallization and Grain Growth in Accumulative Roll-Bonded Metal Composites. <i>Jom</i> , 2015, 67, 2810-2819. | 0.9 | 9 |

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|-----|---|-----|-----------|
| 109 | Local Mechanical Property Evolution During High Strain-Rate Deformation of Tantalum. <i>Journal of Dynamic Behavior of Materials</i> , 2016, 2, 511-520. | 1.1 | 9 |
| 110 | Temperature-dependent mechanical behavior of three-dimensionally ordered macroporous tungsten. <i>Journal of Materials Research</i> , 2020, 35, 2556-2566. | 1.2 | 8 |
| 111 | Nanomechanical testing in drug delivery: Theory, applications, and emerging trends. <i>Advanced Drug Delivery Reviews</i> , 2022, 183, 114167. | 6.6 | 8 |
| 112 | Bond Characterization of Plasma Sprayed Zirconium on Uranium Alloy by Microcantilever Testing. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 233-241. | 1.6 | 7 |
| 113 | Microcantilever bend testing and finite element simulations of HIP-ed interface-free bulk Al and Al-Al HIP bonded interfaces. <i>Philosophical Magazine</i> , 2013, 93, 2749-2758. | 0.7 | 7 |
| 114 | Mechanical behavior of rare-earth orthophosphates near the monazite/xenotime boundary characterized by nanoindentation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 691, 203-210. | 2.6 | 7 |
| 115 | Characterization of nickel nanostrand nanocomposites through dielectric spectroscopy and nanoindentation. <i>Polymer Engineering and Science</i> , 2013, 53, 2666-2673. | 1.5 | 6 |
| 116 | High-Throughput Nanoindentation Mapping of Additively Manufactured T91 Steel. <i>Jom</i> , 2022, 74, 1469-1476. | 0.9 | 6 |
| 117 | Interface Facilitated Reorientation of Mg Nanolayers in Mg-Nb Nanolaminates. <i>Jom</i> , 2019, 71, 1215-1220. | 0.9 | 5 |
| 118 | High temperature nanoindentation of Cu-TiN nanolaminates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 804, 140522. | 2.6 | 5 |
| 119 | Tribological performance of monolithic copper thin films during nanowear. <i>Wear</i> , 2018, 394-395, 50-59. | 1.5 | 5 |
| 120 | 3D Periodic and Interpenetrating Tungsten-Silicon Oxycarbide Nanocomposites Designed for Mechanical Robustness. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32126-32135. | 4.0 | 4 |
| 121 | Quantifying physical parameters to predict brittle/ ductile behavior. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 808, 140899. | 2.6 | 3 |
| 122 | Algorithms for Nanoindentation Strain Rate Jump Testing and Analysis. <i>Experimental Mechanics</i> , 0, , 1. | 1.1 | 3 |
| 123 | Layer Stability and Material Properties of Friction-Stir Welded Cu-Nb Nanolamellar Composite Plates. <i>Materials Research Letters</i> , 2014, 2, 227-232. | 4.1 | 2 |
| 124 | The Influence of Rolling Schedule on the Dynamic Properties of Accumulatively Roll Bonded Nano-Layered Cu-Nb. <i>Key Engineering Materials</i> , 2014, 622-623, 1031-1040. | 0.4 | 2 |
| 125 | Microstructure and local mechanical property evolution during high strain-rate deformation of tantalum. <i>EPJ Web of Conferences</i> , 2015, 94, 02023. | 0.1 | 2 |
| 126 | Mechanical Behavior of Nanostructured Materials. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 777-777. | 1.1 | 1 |

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|-----|---|------|-----------|
| 127 | In situ TEM Investigation of Mechanically Induced Phase Transformations in Nanoscale Composites. <i>Microscopy and Microanalysis</i> , 2018, 24, 1828-1829. | 0.2 | 1 |
| 128 | Spherical Nanoindentation Stress-Strain Analysis of Ion-Irradiated Tungsten. <i>Minerals, Metals and Materials Series</i> , 2018, , 617-635. | 0.3 | 1 |
| 129 | Nano goes the distance. <i>Nature Materials</i> , 2021, 20, 1456-1458. | 13.3 | 1 |
| 130 | Elevated Temperature Mechanical Properties of Devitrified Metallic Glass. <i>Materials Research Society Symposia Proceedings</i> , 2004, 821, 191. | 0.1 | 0 |
| 131 | Size Effects in Single-Crystal Metallic Micro- and Nanocubes. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2018, , 47-49. | 0.3 | 0 |
| 132 | Spherical Nanoindentation Stress-Strain Analysis of Ion-Irradiated Tungsten. <i>Minerals, Metals and Materials Series</i> , 2019, , 617-635. | 0.3 | 0 |