# Christopher A Schuh

## List of Publications by Citations



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|---|---|---|---|
| 278 papers | 17,401 citations | 64 h-index | 125 g-index |
| 296 ext. papers | 19,369 ext. citations | 6.6 avg, IF | 7.44 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 278 | Mechanical behavior of amorphous alloys. *Acta Materialia*, **2007**, 55, 4067-4109 | 8.4 | 2539 |
| 277 | Design of stable nanocrystalline alloys. *Science*, **2012**, 337, 951-4 | 33.3 | 571 |
| 276 | A nanoindentation study of serrated flow in bulk metallic glasses. *Acta Materialia*, **2003**, 51, 87-99 | 8.4 | 549 |
| 275 | Nanoindentation studies of materials. *Materials Today*, **2006**, 9, 32-40 | 21.8 | 468 |
| 274 | Atomistic basis for the plastic yield criterion of metallic glass. *Nature Materials*, **2003**, 2, 449-52 | 27 | 417 |
| 273 | The effect of solid solution W additions on the mechanical properties of nanocrystalline Ni. *Acta Materialia*, **2003**, 51, 431-443 | 8.4 | 373 |
| 272 | New regime of homogeneous flow in the deformation map of metallic glasses: elevated temperature nanoindentation experiments and mechanistic modeling. *Acta Materialia*, **2004**, 52, 5879-5891 | 8.4 | 372 |
| 271 | Quantitative insight into dislocation nucleation from high-temperature nanoindentation experiments. *Nature Materials*, **2005**, 4, 617-21 | 27 | 335 |
| 270 | Six decades of the Hall□Petch effect □ a survey of grain-size strengthening studies on pure metals. *International Materials Reviews*, **2016**, 61, 495-512 | 16.1 | 334 |
| 269 | Deformation of metallic glasses: Recent developments in theory, simulations, and experiments. *Acta Materialia*, **2016**, 109, 375-393 | 8.4 | 315 |
| 268 | Hall□Petch breakdown manifested in abrasive wear resistance of nanocrystalline nickel. *Scripta Materialia*, **2002**, 46, 735-740 | 5.6 | 275 |
| 267 | Tailoring and patterning the grain size of nanocrystalline alloys. *Acta Materialia*, **2007**, 55, 371-379 | 8.4 | 252 |
| 266 | Sliding wear of nanocrystalline Ni□W: Structural evolution and the apparent breakdown of Archard scaling. *Acta Materialia*, **2010**, 58, 4137-4148 | 8.4 | 226 |
| 265 | Analysis of grain boundary networks and their evolution during grain boundary engineering. *Acta Materialia*, **2003**, 51, 687-700 | 8.4 | 224 |
| 264 | A survey of instrumented indentation studies on metallic glasses. *Journal of Materials Research*, **2004**, 19, 46-57 | 2.5 | 222 |
| 263 | Grain boundary segregation and thermodynamically stable binary nanocrystalline alloys. *Physical Review B*, **2009**, 79, | 3.3 | 212 |
| 262 | Initiation of shear bands near a stress concentration in metallic glass. *Acta Materialia*, **2007**, 55, 5348-5358 | 8.4 | 202 |

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| 261 | Effect of a controlled volume fraction of dendritic phases on tensile and compressive ductility in La-based metallic glass matrix composites. *Acta Materialia*, **2004**, 52, 4121-4131 | 8.4 | 202 |
| 260 | The Hall–Petch breakdown in nanocrystalline metals: A crossover to glass-like deformation. *Acta Materialia*, **2007**, 55, 5948-5958 | 8.4 | 201 |
| 259 | Nanoscale shape-memory alloys for ultrahigh mechanical damping. *Nature Nanotechnology*, **2009**, 4, 415-419 | 38.7 | 197 |
| 258 | Application of nucleation theory to the rate dependence of incipient plasticity during nanoindentation. *Journal of Materials Research*, **2004**, 19, 2152-2158 | 2.5 | 191 |
| 257 | Grain boundary segregation, chemical ordering and stability of nanocrystalline alloys: Atomistic computer simulations in the Ni–W system. *Acta Materialia*, **2007**, 55, 4221-4232 | 8.4 | 185 |
| 256 | Shape memory and superelastic ceramics at small scales. *Science*, **2013**, 341, 1505-8 | 33.3 | 175 |
| 255 | Stability of binary nanocrystalline alloys against grain growth and phase separation. *Acta Materialia*, **2013**, 61, 2121-2132 | 8.4 | 173 |
| 254 | Microstructural evolution during the heat treatment of nanocrystalline alloys. *Journal of Materials Research*, **2007**, 22, 3233-3248 | 2.5 | 170 |
| 253 | Enhanced solid solution effects on the strength of nanocrystalline alloys. *Acta Materialia*, **2011**, 59, 1619-1631 | 8.4 | 161 |
| 252 | Yield surface of a simulated metallic glass. *Acta Materialia*, **2003**, 51, 5399-5411 | 8.4 | 159 |
| 251 | Distribution of thermally activated plastic events in a flowing glass. *Physical Review Letters*, **2009**, 102, 235503 | 7.4 | 155 |
| 250 | Adiabatic shear instability is not necessary for adhesion in cold spray. *Acta Materialia*, **2018**, 158, 430-439 | 8.4 | 143 |
| 249 | Estimation of grain boundary segregation enthalpy and its role in stable nanocrystalline alloy design. *Journal of Materials Research*, **2013**, 28, 2154-2163 | 2.5 | 128 |
| 248 | Size effects in shape memory alloy microwires. *Acta Materialia*, **2011**, 59, 537-553 | 8.4 | 127 |
| 247 | Superelasticity and Shape Memory in Micro- and Nanometer-scale Pillars. *Advanced Materials*, **2008**, 20, 272-278 | 24 | 127 |
| 246 | Grain boundary relaxation strengthening of nanocrystalline Ni–W alloys. *Journal of Materials Research*, **2012**, 27, 1285-1294 | 2.5 | 120 |
| 245 | Shear transformation zone dynamics model for metallic glasses incorporating free volume as a state variable. *Acta Materialia*, **2013**, 61, 3347-3359 | 8.4 | 117 |
| 244 | Mesoscale modeling of amorphous metals by shear transformation zone dynamics. *Acta Materialia*, **2009**, 57, 2823-2833 | 8.4 | 116 |

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| 243 | Experimental assessment and simulation of surface nanocrystallization by severe shot peening. *Acta Materialia*, **2015**, 97, 105-115 | 8.4 | 115 |
| 242 | Strength asymmetry in nanocrystalline metals under multiaxial loading. *Acta Materialia*, **2005**, 53, 3193-3205 | 8.4 | 115 |
| 241 | In-situ observations of single micro-particle impact bonding. *Scripta Materialia*, **2018**, 145, 9-13 | 5.6 | 114 |
| 240 | Densification and strain hardening of a metallic glass under tension at room temperature. *Physical Review Letters*, **2013**, 111, 135504 | 7.4 | 109 |
| 239 | Strain rate-dependent deformation in bulk metallic glasses. *Intermetallics*, **2002**, 10, 1177-1182 | 3.5 | 104 |
| 238 | Solid-state foaming of titanium by superplastic expansion of argon-filled pores. *Journal of Materials Research*, **2001**, 16, 1508-1519 | 2.5 | 101 |
| 237 | Connectivity and percolation in simulated grain-boundary networks. *Philosophical Magazine*, **2003**, 83, 711-726 | 1.6 | 99 |
| 236 | Effect of solid solution elements on nanoindentation hardness, rate dependence, and incipient plasticity in fine grained magnesium alloys. *Acta Materialia*, **2011**, 59, 7554-7563 | 8.4 | 97 |
| 235 | Oligocrystalline Shape Memory Alloys. *Advanced Functional Materials*, **2012**, 22, 2094-2099 | 15.6 | 96 |
| 234 | Corrosion of nanocrystalline Ni□W alloys in alkaline and acidic 3.5wt.% NaCl solutions. *Corrosion Science*, **2011**, 53, 1066-1071 | 6.8 | 95 |
| 233 | Stability criteria for nanocrystalline alloys. *Acta Materialia*, **2017**, 132, 128-137 | 8.4 | 93 |
| 232 | Nanoindentation and contact-mode imaging at high temperatures. *Journal of Materials Research*, **2006**, 21, 725-736 | 2.5 | 91 |
| 231 | The Mohr□Coulomb criterion from unit shear processes in metallic glass. *Intermetallics*, **2004**, 12, 1159-1165 | 3.5 | 86 |
| 230 | Superelasticity and fatigue in oligocrystalline shape memory alloy microwires. *Acta Materialia*, **2012**, 60, 282-292 | 8.4 | 80 |
| 229 | Nanoscale segregation behavior and high-temperature stability of nanocrystalline W□10at.% Ti. *Acta Materialia*, **2014**, 73, 128-138 | 8.4 | 79 |
| 228 | Hot nanoindentation in inert environments. *Review of Scientific Instruments*, **2010**, 81, 073901 | 1.7 | 78 |
| 227 | Solute distribution in nanocrystalline Ni□W alloys examined through atom probe tomography. *Philosophical Magazine*, **2006**, 86, 4459-4475 | 1.6 | 76 |
| 226 | Towards an integrated materials characterization toolbox. *Journal of Materials Research*, **2011**, 26, 1341-1383 | 2.5 | 75 |

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|---|---|---|---|
| 225 | Atomistic simulation of strain-induced amorphization. *Applied Physics Letters*, **2003**, 82, 2017-2019 | 3.4 | 74 |
| 224 | 3D printing metals like thermoplastics: Fused filament fabrication of metallic glasses. *Materials Today*, **2018**, 21, 697-702 | 21.8 | 73 |
| 223 | Diffusion on grain boundary networks: Percolation theory and effective medium approximations. *Acta Materialia*, **2006**, 54, 4709-4720 | 8.4 | 72 |
| 222 | Thermodynamics of stable nanocrystalline alloys: A Monte Carlo analysis. *Physical Review B*, **2014**, 89, | 3.3 | 71 |
| 221 | Hardening of a metallic glass during cyclic loading in the elastic range. *Applied Physics Letters*, **2008**, 92, 171911 | 3.4 | 71 |
| 220 | Electrodeposited Al–Mn alloys with microcrystalline, nanocrystalline, amorphous and nano-quasicrystalline structures. *Acta Materialia*, **2009**, 57, 3810-3822 | 8.4 | 70 |
| 219 | Incipient plasticity during nanoindentation at elevated temperatures. *Applied Physics Letters*, **2004**, 85, 1362-1364 | 3.4 | 68 |
| 218 | Grain boundary and triple junction constraints during martensitic transformation in shape memory alloys. *Journal of Applied Physics*, **2013**, 114, 053503 | 2.5 | 67 |
| 217 | The Hall–Petch breakdown at high strain rates: Optimizing nanocrystalline grain size for impact applications. *Applied Physics Letters*, **2008**, 93, 171916 | 3.4 | 66 |
| 216 | Improved representations of misorientation information for grain boundary science and engineering. *Progress in Materials Science*, **2012**, 57, 1383-1425 | 42.2 | 65 |
| 215 | Segregation-induced changes in grain boundary cohesion and embrittlement in binary alloys. *Acta Materialia*, **2015**, 95, 145-155 | 8.4 | 64 |
| 214 | Cyclic hardening of metallic glasses under Hertzian contacts: Experiments and STZ dynamics simulations. *Philosophical Magazine*, **2010**, 90, 1373-1390 | 1.6 | 63 |
| 213 | Mechanics of indentation of plastically graded materials–II: Experiments on nanocrystalline alloys with grain size gradients. *Journal of the Mechanics and Physics of Solids*, **2008**, 56, 172-183 | 5 | 62 |
| 212 | Driven alloys in the athermal limit. *Physical Review Letters*, **2003**, 91, 235505 | 7.4 | 62 |
| 211 | Yield stress in metallic glasses: The jamming-unjamming transition studied through Monte Carlo simulations based on the activation-relaxation technique. *Physical Review B*, **2009**, 80, | 3.3 | 60 |
| 210 | Shape memory and superelasticity in polycrystalline Cu–Al–Ni microwires. *Applied Physics Letters*, **2009**, 95, 171906 | 3.4 | 58 |
| 209 | Characterization of the microstructure and texture of nanostructured electrodeposited NiCo using electron backscatter diffraction (EBSD). *Acta Materialia*, **2006**, 54, 2451-2462 | 8.4 | 58 |
| 208 | Kinetic Monte Carlo study of activated states and correlated shear-transformation-zone activity during the deformation of an amorphous metal. *Physical Review B*, **2010**, 81, | 3.3 | 57 |

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| 207 | Contribution of triple junctions to the diffusion anomaly in nanocrystalline materials. *Scripta Materialia*, **2007**, 57, 253-256 | 5.6 | 57 |
| 206 | Grain boundary networks: Scaling laws, preferred cluster structure, and their implications for grain boundary engineering. *Acta Materialia*, **2005**, 53, 4323-4335 | 8.4 | 57 |
| 205 | Nanoscale strength distribution in amorphous versus crystalline metals. *Journal of Materials Research*, **2010**, 25, 2251-2263 | 2.5 | 56 |
| 204 | Whisker alignment of Ti3Al2V/TiB composites during deformation by transformation superplasticity. *International Journal of Plasticity*, **2001**, 17, 317-340 | 7.6 | 56 |
| 203 | Size effects and shape memory properties in ZrO2 ceramic micro- and nano-pillars. *Scripta Materialia*, **2015**, 101, 40-43 | 5.6 | 52 |
| 202 | Nanocrystalline Materials at Equilibrium: A Thermodynamic Review. *Jom*, **2015**, 67, 2834-2843 | 2.1 | 52 |
| 201 | Superelastic cycling of CuAlNi shape memory alloy micropillars. *Acta Materialia*, **2012**, 60, 4093-4106 | 8.4 | 52 |
| 200 | Atomistic simulation of slow grain boundary motion. *Physical Review Letters*, **2011**, 106, 045503 | 7.4 | 52 |
| 199 | Abrasive wear response of nanocrystalline NiW alloys across the HallPetchbreakdown. *Wear*, **2013**, 298-299, 120-126 | 3.5 | 51 |
| 198 | Accelerated sintering in phase-separating nanostructured alloys. *Nature Communications*, **2015**, 6, 6858 | 17.4 | 51 |
| 197 | Percolation and statistical properties of low- and high-angle interface networks in polycrystalline ensembles. *Physical Review B*, **2004**, 69, | 3.3 | 48 |
| 196 | Materials selection considerations for high entropy alloys. *Scripta Materialia*, **2017**, 138, 145-150 | 5.6 | 47 |
| 195 | Traditional and additive manufacturing of a new Tungsten heavy alloy alternative. *International Journal of Refractory Metals and Hard Materials*, **2018**, 73, 22-28 | 4.1 | 47 |
| 194 | Nanoindentation behavior and deformed microstructures in coarse-grained magnesium alloys. *Scripta Materialia*, **2013**, 68, 416-419 | 5.6 | 47 |
| 193 | Temperature, strain rate and reinforcement volume fraction dependence of plastic deformation in metallic glass matrix composites. *Acta Materialia*, **2007**, 55, 3059-3071 | 8.4 | 47 |
| 192 | Atomistic mechanisms of cyclic hardening in metallic glass. *Applied Physics Letters*, **2012**, 100, 251909 | 3.4 | 46 |
| 191 | Mechanically driven grain boundary relaxation: a mechanism for cyclic hardening in nanocrystalline Ni. *Philosophical Magazine Letters*, **2012**, 92, 20-28 | 1 | 46 |
| 190 | Mesoscale structure and segregation in electrodeposited nanocrystalline alloys. *Scripta Materialia*, **2008**, 59, 1218-1221 | 5.6 | 46 |

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| 189 | Crystal orientation dependence of the stress-induced martensitic transformation in zirconia-based shape memory ceramics. *Acta Materialia*, **2016**, 116, 124-135 | 8.4 | 46 |
| 188 | Melt-driven erosion in microparticle impact. *Nature Communications*, **2018**, 9, 5077 | 17.4 | 45 |
| 187 | Melting Can Hinder Impact-Induced Adhesion. *Physical Review Letters*, **2017**, 119, 175701 | 7.4 | 44 |
| 186 | High-strain-rate nanoindentation behavior of fine-grained magnesium alloys. *Journal of Materials Research*, **2012**, 27, 1295-1302 | 2.5 | 44 |
| 185 | Superelasticity in micro-scale shape memory ceramic particles. *Acta Materialia*, **2017**, 123, 255-263 | 8.4 | 42 |
| 184 | Mechanical properties of metallic glass matrix composites: Effects of reinforcement character and connectivity. *Scripta Materialia*, **2007**, 56, 617-620 | 5.6 | 42 |
| 183 | Measuring grain-boundary segregation in nanocrystalline alloys: direct validation of statistical techniques using atom probe tomography. *Philosophical Magazine Letters*, **2007**, 87, 581-587 | 1 | 42 |
| 182 | Non-isothermal transformation-mismatch plasticity: modeling and experiments on Ti□Al□V. *Acta Materialia*, **2001**, 49, 199-210 | 8.4 | 41 |
| 181 | Role of topological constraints on the statistical properties of grain boundary networks. *Physical Review B*, **2002**, 66, | 3.3 | 41 |
| 180 | Temperature dependence of the indentation size effect. *Journal of Materials Research*, **2010**, 25, 1225-1229 | 2.5 | 40 |
| 179 | The generalized Mackenzie distribution: Disorientation angle distributions for arbitrary textures. *Acta Materialia*, **2009**, 57, 4186-4197 | 8.4 | 40 |
| 178 | Interplay between thermodynamic and kinetic stabilization mechanisms in nanocrystalline Fe-Mg alloys. *Acta Materialia*, **2018**, 144, 447-458 | 8.4 | 40 |
| 177 | Achieving Ultralow Wear with Stable Nanocrystalline Metals. *Advanced Materials*, **2018**, 30, e1802026 | 24 | 40 |
| 176 | Duplex nanocrystalline alloys: Entropic nanostructure stabilization and a case study on W□r. *Journal of Materials Research*, **2015**, 30, 151-163 | 2.5 | 39 |
| 175 | Impact-bonding with aluminum, silver, and gold microparticles: Toward understanding the role of native oxide layer. *Applied Surface Science*, **2019**, 476, 528-532 | 6.7 | 39 |
| 174 | Spectrum of grain boundary segregation energies in a polycrystal. *Acta Materialia*, **2019**, 181, 228-237 | 8.4 | 38 |
| 173 | Phase strength effects on chemical mixing in extensively deformed alloys. *Acta Materialia*, **2015**, 82, 123-136 | 8.4 | 37 |
| 172 | Response to Comment on □diabatic shear instability is not necessary for adhesion in cold spray□ *Scripta Materialia*, **2019**, 162, 515-519 | 5.6 | 37 |

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| 171 | Geometric considerations for diffusion in polycrystalline solids. *Journal of Applied Physics*, **2007**, 101, 063524 | 2.5 | 36 |
| 170 | Melt-driven mechanochemical phase transformations in moderately exothermic powder˝mixtures. *Nature Materials*, **2016**, 15, 1280-1286 | 27 | 35 |
| 169 | Transition from many domain to single domain martensite morphology in small-scale shape memory alloys. *Acta Materialia*, **2013**, 61, 5618-5625 | 8.4 | 35 |
| 168 | Diffusive-to-ballistic transition in grain boundary motion studied by atomistic simulations. *Physical Review B*, **2011**, 84, | 3.3 | 35 |
| 167 | Symmetries in the representation of grain boundary-plane distributions. *Philosophical Magazine*, **2013**, 93, 524-573 | 1.6 | 34 |
| 166 | Hyperspherical harmonics for the representation of crystallographic texture. *Acta Materialia*, **2008**, 56, 6141-6155 | 8.4 | 34 |
| 165 | Enhanced densification of metal powders by transformation-mismatch plasticity. *Acta Materialia*, **2000**, 48, 1639-1653 | 8.4 | 34 |
| 164 | Thermomechanical behavior at the nanoscale and size effects in shape memory alloys. *Journal of Materials Research*, **2011**, 26, 2461-2469 | 2.5 | 33 |
| 163 | Three-dimensional shear transformation zone dynamics model for amorphous metals. *Modelling and Simulation in Materials Science and Engineering*, **2010**, 18, 065009 | 2 | 32 |
| 162 | Solute interaction effects on grain boundary segregation in ternary alloys. *Acta Materialia*, **2018**, 161, 285-294 | 8.4 | 31 |
| 161 | Rapid assessment of anisotropic surface processes: experiments on the corrosion of Inconel 600. *Surface Science*, **2003**, 544, 183-192 | 1.8 | 30 |
| 160 | Combination rule for deviant CSL grain boundaries at triple junctions. *Acta Materialia*, **2003**, 51, 3731-3743 | 8.4 | 30 |
| 159 | Nonrandom percolation behavior of grain boundary networks in high-Tc superconductors. *Applied Physics Letters*, **2003**, 83, 3755-3757 | 3.4 | 30 |
| 158 | Sputtered Hf□Ti nanostructures: A segregation and high-temperature stability study. *Acta Materialia*, **2016**, 108, 8-16 | 8.4 | 29 |
| 157 | A survey of ab-initio calculations shows that segregation-induced grain boundary embrittlement is predicted by bond-breaking arguments. *Scripta Materialia*, **2016**, 113, 55-58 | 5.6 | 29 |
| 156 | Solid-state foaming of titanium by hydrogen-induced internal-stress superplasticity. *Scripta Materialia*, **2003**, 49, 879-883 | 5.6 | 29 |
| 155 | In situ measurements of surface tension-driven shape recovery in a metallic glass. *Scripta Materialia* , **2009**, 60, 1145-1148 | 5.6 | 27 |
| 154 | Preferred nanocrystalline configurations in ternary and multicomponent alloys. *Scripta Materialia*, **2017**, 127, 136-140 | 5.6 | 26 |

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| 153 | Homogeneous flow of bulk metallic glass composites with a high volume fraction of reinforcement. *Journal of Materials Research*, **2007**, 22, 1564-1573 | 2.5 | 25 |
| 152 | Adhesion strength of titanium particles to alumina substrates: A combined cold spray and LIPIT study. *Surface and Coatings Technology*, **2019**, 361, 403-412 | 4.4 | 24 |
| 151 | Microstructure, crystallization and shape memory behavior of titania and yttria co-doped zirconia. *Journal of the European Ceramic Society*, **2016**, 36, 1277-1283 | 6 | 24 |
| 150 | Effect of crystal orientation on incipient plasticity during nanoindentation of magnesium. *Acta Materialia*, **2017**, 139, 21-29 | 8.4 | 24 |
| 149 | Material hardness at strain rates beyond 106 s□1 via high velocity microparticle impact indentation. *Scripta Materialia*, **2020**, 177, 198-202 | 5.6 | 24 |
| 148 | Nanocrystalline Ag-W alloys lose stability upon solute desegregation from grain boundaries. *Acta Materialia*, **2018**, 161, 194-206 | 8.4 | 24 |
| 147 | Tool steel coatings based on niobium carbide and carbonitride compounds. *Surface and Coatings Technology*, **2012**, 207, 472-479 | 4.4 | 23 |
| 146 | Critical length scales for the deformation of amorphous metals containing nanocrystals. *Philosophical Magazine Letters*, **2007**, 87, 603-611 | 1 | 23 |
| 145 | Topological and chemical arrangement of binary alloys during severe deformation. *Journal of Applied Physics*, **2004**, 95, 4815-4822 | 2.5 | 23 |
| 144 | A coupled kinetic Monte Carlo□finite element mesoscale model for thermoelastic martensitic phase transformations in shape memory alloys. *Acta Materialia*, **2015**, 83, 431-447 | 8.4 | 22 |
| 143 | Validated numerical modeling of galvanic corrosion of zinc and aluminum coatings. *Corrosion Science*, **2014**, 88, 226-233 | 6.8 | 22 |
| 142 | Ultrahigh superelastic damping at the nano-scale: A robust phenomenon to improve smart MEMS devices. *Acta Materialia*, **2019**, 166, 346-356 | 8.4 | 22 |
| 141 | Combinatorial study of thermal stability in ternary nanocrystalline alloys. *Acta Materialia*, **2020**, 188, 40-48 | 8.4 | 21 |
| 140 | A continuous and one-to-one coloring scheme for misorientations. *Acta Materialia*, **2011**, 59, 554-562 | 8.4 | 21 |
| 139 | Thickness of Anodic Titanium Oxides as a Function of Crystallographic Orientation of the Substrate. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2008**, 39, 2143-2147 | 2.3 | 21 |
| 138 | Learning grain boundary segregation energy spectra in polycrystals. *Nature Communications*, **2020**, 11, 6376 | 17.4 | 20 |
| 137 | Residual stress in electrodeposited nanocrystalline nickel-tungsten coatings. *Journal of Materials Research*, **2012**, 27, 1271-1284 | 2.5 | 20 |
| 136 | Pressure-induced transformation plasticity of H(2)O ice. *Physical Review Letters*, **2001**, 86, 668-71 | 7.4 | 20 |

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| 135 | Grain boundary segregation beyond the dilute limit: Separating the two contributions of site spectrality and solute interactions. *Acta Materialia*, **2020**, 199, 63-72 | 8.4 | 20 |
| 134 | In-situ studies on martensitic transformation and high-temperature shape memory in small volume zirconia. *Acta Materialia*, **2017**, 134, 257-266 | 8.4 | 19 |
| 133 | Effects of surface diffusion on high temperature selective emitters. *Optics Express*, **2015**, 23, 9979-93 | 3.3 | 19 |
| 132 | Surface oxide and hydroxide effects on aluminum microparticle impact bonding. *Acta Materialia*, **2020**, 197, 28-39 | 8.4 | 19 |
| 131 | The uncorrelated triple junction distribution function: Towards grain boundary network design. *Acta Materialia*, **2013**, 61, 2863-2873 | 8.4 | 19 |
| 130 | Gallium-enhanced phase contrast in atom probe tomography of nanocrystalline and amorphous Al-Mn alloys. *Ultramicroscopy*, **2011**, 111, 1062-72 | 3.1 | 19 |
| 129 | Grain boundary segregation in Al□Mn electrodeposits prepared from ionic liquid. *Journal of Materials Science*, **2016**, 51, 438-448 | 4.3 | 18 |
| 128 | Computational design and optimization of multilayered and functionally graded corrosion coatings. *Corrosion Science*, **2013**, 77, 297-307 | 6.8 | 18 |
| 127 | Molecular simulation of amorphization by mechanical alloying. *Acta Materialia*, **2004**, 52, 2123-2132 | 8.4 | 18 |
| 126 | Particle flattening during cold spray: Mechanistic regimes revealed by single particle impact tests. *Surface and Coatings Technology*, **2020**, 403, 126386 | 4.4 | 18 |
| 125 | Effect of Crystal Orientation on Nanoindentation Behavior in Magnesium. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2016**, 47, 3227-3234 | 2.3 | 18 |
| 124 | Nano-phase separation sintering in nanostructure-stable vs. bulk-stable alloys. *Acta Materialia*, **2018**, 145, 123-133 | 8.4 | 18 |
| 123 | Mesostructure optimization in multi-material additive manufacturing: a theoretical perspective. *Journal of Materials Science*, **2017**, 52, 4288-4298 | 4.3 | 17 |
| 122 | Particle size effects in metallic microparticle impact-bonding. *Acta Materialia*, **2020**, 194, 40-48 | 8.4 | 17 |
| 121 | Orientation dependence in superelastic Cu-Al-Mn-Ni micropillars. *Journal of Alloys and Compounds*, **2017**, 693, 1205-1213 | 5.7 | 17 |
| 120 | Hot nanoindentation of nanocrystalline Ni□W alloys. *Scripta Materialia*, **2009**, 61, 1056-1059 | 5.6 | 17 |
| 119 | Granular shape memory ceramic packings. *Acta Materialia*, **2017**, 132, 455-466 | 8.4 | 16 |
| 118 | Reduced cracking in polycrystalline ZrO2-CeO2 shape-memory ceramics by meeting the cofactor conditions. *Acta Materialia*, **2019**, 177, 230-239 | 8.4 | 16 |

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| 117 | Powder-Route Synthesis and Mechanical Testing of Ultrafine Grain Tungsten Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2014**, 45, 3609-3618 | 2.3 | 16 |
| 116 | Influences of crystallographic texture and nanostructural features on corrosion properties of electrogalvanized and chromate conversion coatings. *Surface and Coatings Technology*, **2017**, 329, 120-130 | 4.4 | 16 |
| 115 | Suppression of grain growth in nanocrystalline Bi2Te3 through oxide particle dispersions. *Journal of Applied Physics*, **2014**, 116, 173505 | 2.5 | 16 |
| 114 | Exploring grain boundary energy landscapes with the activation-relaxation technique. *Scripta Materialia*, **2013**, 68, 937-940 | 5.6 | 16 |
| 113 | Nonlocal superelastic model of size-dependent hardening and dissipation in single crystal Cu-Al-Ni shape memory alloys. *Physical Review Letters*, **2011**, 106, 085504 | 7.4 | 16 |
| 112 | Correlation-space description of the percolation transition in composite microstructures. *Physical Review E*, **2007**, 76, 041108 | 2.4 | 16 |
| 111 | Enhanced densification of zinc powders through thermal cycling. *Acta Materialia*, **2002**, 50, 1349-1358 | 8.4 | 16 |
| 110 | The role of W on the thermal stability of nanocrystalline NiTiWx thin films. *Acta Materialia*, **2018**, 142, 181-192 | 8.4 | 15 |
| 109 | Kinetic Monte Carlo simulations of nanocrystalline film deposition. *Journal of Applied Physics*, **2010**, 107, 073512 | 2.5 | 15 |
| 108 | Correlations beyond the nearest-neighbor level in grain boundary networks. *Scripta Materialia*, **2006**, 54, 1023-1028 | 5.6 | 15 |
| 107 | A high-throughput technique for determining grain boundary character non-destructively in microstructures with through-thickness grains. *Npj Computational Materials*, **2016**, 2, | 10.9 | 15 |
| 106 | Mechanical alloying produces grain boundary segregation in Fe-Mg powders. *Scripta Materialia*, **2020**, 180, 57-61 | 5.6 | 14 |
| 105 | A compilation of ab-initio calculations of embrittling potencies in binary metallic alloys. *Data in Brief*, **2016**, 6, 143-8 | 1.2 | 14 |
| 104 | Anomalous grain refinement trends during mechanical milling of Bi2Te3. *Acta Materialia*, **2014**, 75, 167-179 | 8.4 | 14 |
| 103 | Finite Element Simulation of Hot Nanoindentation in Vacuum. *Experimental Mechanics*, **2013**, 53, 1201-1211 | 2.6 | 14 |
| 102 | Towards electroformed nanostructured aluminum alloys with high strength and ductility. *Journal of Materials Research*, **2012**, 27, 1638-1651 | 2.5 | 14 |
| 101 | Microparticle impact-bonding modes for mismatched metals: From co-deformation to splatting and penetration. *Acta Materialia*, **2020**, 199, 480-494 | 8.4 | 14 |
| 100 | Effect of twin boundaries on indentation behavior of magnesium alloys. *Journal of Alloys and Compounds*, **2016**, 685, 1016-1023 | 5.7 | 14 |

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|---|---|---|---|
| 99 | Phase transitions in stable nanocrystalline alloys. *Journal of Materials Research*, **2017**, 32, 1993-2002 | 2.5 | 13 |
| 98 | Surface roughness-controlled superelastic hysteresis in shape memory microwires. *Scripta Materialia*, **2014**, 82, 1-4 | 5.6 | 13 |
| 97 | Tuning nanoscale grain size distribution in multilayered Al Mn alloys. *Scripta Materialia*, **2012**, 66, 194-197 | 5.6 | 13 |
| 96 | Percolation of diffusionally evolved two-phase systems. *Physical Review E*, **2011**, 83, 021119 | 2.4 | 13 |
| 95 | Pack aluminisation kinetics of nickel rods and foams. *Materials Science and Technology*, **2002**, 18, 326-332 | 1.5 | 13 |
| 94 | Hardness and Abrasion Resistance of Nanocrystalline Nickel Alloys Near the Hall-Petch Breakdown Regime. *Materials Research Society Symposia Proceedings*, **2002**, 740, 1 | | 13 |
| 93 | The Transition From Rebound to Bonding in High-Velocity Metallic Microparticle Impacts: Jetting-Associated Power-Law Divergence. *Journal of Applied Mechanics, Transactions ASME*, **2020**, 87, | 2.7 | 13 |
| 92 | Global optimization for accurate determination of EBSD pattern centers. *Ultramicroscopy*, **2020**, 209, 112876 | 3.1 | 13 |
| 91 | Shape memory zirconia foams through ice templating. *Scripta Materialia*, **2017**, 135, 50-53 | 5.6 | 12 |
| 90 | Inferring grain boundary structure property relations from effective property measurements. *Journal of Materials Science*, **2015**, 50, 6907-6919 | 4.3 | 12 |
| 89 | Enhanced shape memory and superelasticity in small-volume ceramics: a perspective on the controlling factors. *MRS Communications*, **2017**, 7, 747-754 | 2.7 | 12 |
| 88 | Percolation of diffusional creep: a new universality class. *Physical Review Letters*, **2007**, 98, 035701 | 7.4 | 12 |
| 87 | Internal stress plasticity due to chemical stresses. *Acta Materialia*, **2001**, 49, 3387-3400 | 8.4 | 12 |
| 86 | Melt-cast microfibers of Cu-based shape memory alloy adopt a favorable texture for superelasticity. *Scripta Materialia*, **2016**, 117, 46-50 | 5.6 | 12 |
| 85 | Site-specific study of jetting, bonding, and local deformation during high-velocity metallic microparticle impact. *Acta Materialia*, **2021**, 202, 159-169 | 8.4 | 12 |
| 84 | Synthesis of monodisperse CeO2 ZrO2 particles exhibiting cyclic superelasticity over hundreds of cycles. *Journal of the American Ceramic Society*, **2017**, 100, 4199-4208 | 3.8 | 11 |
| 83 | The nanocrystalline thermoelectric compound Bi2Te3 forms by a particle-wise explosive reaction during mechanical alloying. *Scripta Materialia*, **2011**, 65, 516-519 | 5.6 | 11 |
| 82 | Connectivity of CSL Grain Boundaries and the Role of Deviations from Exact Coincidence. *International Journal of Materials Research*, **2003**, 94, 323-328 | | 11 |

| | | | |
|---|---|---|---|
| 81 | Spontaneous solid-state foaming of nanocrystalline thermoelectric compounds at elevated temperatures. *Nano Energy*, **2017**, 36, 223-232 | 17.1 | 10 |
| 80 | Thermally induced martensitic transformations in Cu-based shape memory alloy microwires. *Journal of Materials Science*, **2015**, 50, 7473-7487 | 4.3 | 10 |
| 79 | The triple junction hull: Tools for grain boundary network design. *Journal of the Mechanics and Physics of Solids*, **2014**, 69, 2-13 | 5 | 10 |
| 78 | Expressing Crystallographic Textures through the Orientation Distribution Function: Conversion between Generalized Spherical Harmonic and Hyperspherical Harmonic Expansions. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2009**, 40, 2590-2602 | 2.3 | 10 |
| 77 | Representations of Texture **2009**, 35-51 | | 10 |
| 76 | Stability of nanocrystalline metals: The role of grain-boundary chemistry and structure. *MRS Bulletin*, **2021**, 46, 225-235 | 3.2 | 10 |
| 75 | A compound unit method for incorporating ordered compounds into lattice models of alloys. *Computational Materials Science*, **2016**, 118, 172-179 | 3.2 | 9 |
| 74 | Diffusion of tungsten in chromium: Experiments and atomistic modeling. *Journal of Alloys and Compounds*, **2014**, 611, 433-439 | 5.7 | 9 |
| 73 | Microstructure and fracture of anomalous eutectic silicon-disilicide composites. *Intermetallics*, **2011** , 19, 1661-1673 | 3.5 | 9 |
| 72 | Effective transport properties of random composites: continuum calculations versus mapping to a network. *Physical Review E*, **2009**, 80, 040103 | 2.4 | 9 |
| 71 | Coble creep in heterogeneous materials: The role of grain boundary engineering. *Physical Review B*, **2007**, 76, | 3.3 | 9 |
| 70 | Towards the reliable calculation of residence time for off-lattice kinetic Monte Carlo simulations. *Modelling and Simulation in Materials Science and Engineering*, **2016**, 24, 065014 | 2 | 9 |
| 69 | Higher Temperatures Yield Smaller Grains in a Thermally Stable Phase-Transforming Nanocrystalline Alloy. *Physical Review Letters*, **2018**, 121, 145503 | 7.4 | 9 |
| 68 | Grain growth and second-phase precipitation in nanocrystalline aluminum□anganese electrodeposits. *Journal of Materials Science*, **2018**, 53, 3709-3719 | 4.3 | 8 |
| 67 | Stability of ternary nanocrystalline alloys in the Pt□Pd□Au system. *Materialia*, **2019**, 8, 100449 | 3.2 | 8 |
| 66 | Cyclic martensitic transformations and damage evolution in shape memory zirconia: Single crystals vs polycrystals. *Journal of the American Ceramic Society*, **2020**, 103, 4678-4690 | 3.8 | 7 |
| 65 | Contributions to the homogeneous plastic flow of in situ metallic glass matrix composites. *Applied Physics Letters*, **2005**, 87, 241904 | 3.4 | 7 |
| 64 | Thermal-cycling creep of □TiAl-based alloys. *Intermetallics*, **2000**, 8, 339-343 | 3.5 | 7 |

| | | | |
|---|---|---|---|
| 63 | Breakdown of the Hall-Petch relationship in extremely fine nanograined body-centered cubic Mo alloys. *Acta Materialia*, **2021**, 213, 116950 | 8.4 | 7 |
| 62 | Correlated grain-boundary distributions in two-dimensional networks. *Acta Crystallographica Section A: Foundations and Advances*, **2007**, 63, 315-28 | | 6 |
| 61 | FeNiCoAlTaB superelastic and shape-memory wires with oligocrystalline grain structure. *Scripta Materialia*, **2020**, 188, 1-5 | 5.6 | 6 |
| 60 | In situ observations of jetting in the divergent rebound regime for high-velocity metallic microparticle impact. *Applied Physics Letters*, **2020**, 117, 134105 | 3.4 | 6 |
| 59 | Resolving pseudosymmetry in tetragonal ZrO2 using electron backscatter diffraction with a modified dictionary indexing approach. *Journal of Applied Crystallography*, **2020**, 53, 1060-1072 | 3.8 | 6 |
| 58 | Texture mediated grain boundary network design in three dimensions. *Mechanics of Materials*, **2018**, 118, 94-105 | 3.3 | 6 |
| 57 | Nanostructure stability and nano-phase separation sintering in the titaniumﾐagnesium system. *Materialia*, **2018**, 1, 89-98 | 3.2 | 6 |
| 56 | The effect of substrate temperature on the critical velocity in microparticle impact bonding. *Applied Physics Letters*, **2021**, 119, 011903 | 3.4 | 6 |
| 55 | Modeling localized corrosion with an effective medium approximation. *Corrosion Science*, **2017**, 116, 53-65 | 6.8 | 5 |
| 54 | Micropillar compression testing of powders. *Journal of Materials Science*, **2015**, 50, 7058-7063 | 4.3 | 5 |
| 53 | Alloy design as an inverse problem of cluster expansion models. *Acta Materialia*, **2017**, 139, 254-260 | 8.4 | 5 |
| 52 | The topology of homophase misorientation spaces. *Philosophical Magazine*, **2011**, 91, 1489-1508 | 1.6 | 5 |
| 51 | Superplastic deformation induced by cyclic hydrogen charging. *Journal of Applied Physics*, **2008**, 103, 103518 | 2.5 | 5 |
| 50 | Ternary alloying additions and multilayering as strategies to enhance the galvanic protection ability of Al-Zn coatings electrodeposited from ionic liquid solution. *Electrochimica Acta*, **2016**, 211, 860-870 | 6.7 | 5 |
| 49 | Thermodynamics and design of nanocrystalline alloys using grain boundary segregation spectra. *Acta Materialia*, **2021**, 217, 117177 | 8.4 | 5 |
| 48 | W-based amorphous phase stable to high temperatures. *Acta Materialia*, **2015**, 85, 331-342 | 8.4 | 4 |
| 47 | Elasticity of Random Multiphase Materials: Percolation of the Stiffness Tensor. *Journal of Statistical Physics*, **2016**, 162, 232-241 | 1.5 | 4 |
| 46 | Grain growth and structural relaxation of nanocrystalline Bi2Te3. *Journal of Applied Physics*, **2014**, 116, 153502 | 2.5 | 4 |

| | | | |
|---|---|---|---|
| 45 | Strategy to Improve the High-Temperature Mechanical Properties of Cr-Alloy Coatings. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2007**, 38, 1367-1370 | 2.3 | 4 |
| 44 | Texture mediated grain boundary network design in two dimensions. *Journal of Materials Research*, **2016**, 31, 1171-1184 | 2.5 | 4 |
| 43 | Grain Boundary Networks **2009**, 201-214 | | 4 |
| 42 | Sub-scale ballistic testing of an ultrafine grained tungsten alloy into concrete targets. *International Journal of Impact Engineering*, **2016**, 91, 1-5 | 4 | 3 |
| 41 | Representation of single-axis grain boundary functions. *Acta Materialia*, **2013**, 61, 3068-3081 | 8.4 | 3 |
| 40 | Grain boundary networks in nanocrystalline alloys from atom probe tomography quantization and autocorrelation mapping. *Physica Status Solidi (A) Applications and Materials Science*, **2015**, 212, 2302-2308 | 1.6 | 3 |
| 39 | Role of grain constraint on the martensitic transformation in ceria-doped zirconia. *Journal of the American Ceramic Society*, **2021**, 104, 1156-1168 | 3.8 | 3 |
| 38 | Direct Electric-Field Induced Phase Transformation in Paraelectric Zirconia via Electrical Susceptibility Mismatch. *Physical Review Letters*, **2021**, 126, 015701 | 7.4 | 3 |
| 37 | Kissinger-Style Kinetic Analysis for Sintering Dilatometry Data. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2021**, 52, 4479-4487 | 2.3 | 3 |
| 36 | Spreading Frost Under the Microscope. *Physics Magazine*, **2020**, 13, | 1.1 | 2 |
| 35 | Wear: Achieving Ultralow Wear with Stable Nanocrystalline Metals (Adv. Mater. 32/2018). *Advanced Materials*, **2018**, 30, 1870242 | 24 | 2 |
| 34 | Microstructure and mechanical properties of electrodeposited Al1−xMnx/Al1−yMny nanostructured multilayers. *Journal of Materials Research*, **2014**, 29, 2229-2239 | 2.5 | 2 |
| 33 | Analytical homogenization method for periodic composite materials. *Physical Review B*, **2009**, 79, | 3.3 | 2 |
| 32 | Plasticity in Nanocrystalline and Amorphous Metals: Similarities at the Atomic Scale. *Materials Research Society Symposia Proceedings*, **2003**, 806, 309 | | 2 |
| 31 | An atom probe tomography study of grain boundary segregation in nanocrystalline Ni-W. *Materials Research Society Symposia Proceedings*, **2005**, 903, 1 | | 2 |
| 30 | Dynamic steady state during cyclic diffusional phase transformations. *Journal of Applied Physics*, **2002**, 91, 9083-9090 | 2.5 | 2 |
| 29 | Approaches to modelling chemically induced transformation superplasticity. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **2002**, 82, 2441-2459 | | 2 |
| 28 | Crystal orientation and detector distance effects on resolving pseudosymmetry by electron backscatter diffraction. *Journal of Applied Crystallography*, **2021**, 54, 513-522 | 3.8 | 2 |

| | | | |
|---|---|---|---|
| 27 | Grain-size effect on cracking accumulation in yttria-doped zirconia ceramics during cyclic martensitic transformations. *Acta Materialia*, **2021**, 209, 116789 | 8.4 | 2 |
| 26 | The mechanism of thermal transformation hysteresis in ZrO2-CeO2 shape-memory ceramics. *Acta Materialia*, **2021**, 213, 116972 | 8.4 | 2 |
| 25 | Nanoindentation: High Temperature **2016**, | | 2 |
| 24 | An off-lattice kinetic Monte Carlo investigation of the kinetic properties of the Σ(210) grain boundary in copper. *Modelling and Simulation in Materials Science and Engineering*, **2019**, 27, 075005 | 2 | 1 |
| 23 | Effect of a Rising R-Curve on the Sliding Wear of Silicon-Disilicide In Situ Composites. *Journal of the American Ceramic Society*, **2012**, 95, 1406-1413 | 3.8 | 1 |
| 22 | Tin and zinc microparticle impacts above the critical adhesion velocity. *Surface and Coatings Technology*, **2022**, 432, 128053 | 4.4 | 1 |
| 21 | Kinetic Monte Carlo Modeling of Nanomechanics in Amorphous Systems. *Springer Series in Materials Science*, **2016**, 441-468 | 0.9 | 1 |
| 20 | The Structural Evolution and Densification Mechanisms of Nanophase Separation Sintering. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2021**, 52, 4946 | 2.3 | 1 |
| 19 | Atomistic Assessment of Solute-Solute Interactions during Grain Boundary Segregation. *Nanomaterials*, **2021**, 11, | 5.4 | 1 |
| 18 | Additional hindrances to metallurgical bonding from impurities during microparticle impact. *Surface and Coatings Technology*, **2022**, 433, 128114 | 4.4 | 0 |
| 17 | Grain size dependencies of intergranular solute segregation in nanocrystalline materials. *Acta Materialia*, **2022**, 226, 117614 | 8.4 | 0 |
| 16 | Oxide layer delamination: An energy dissipation mechanism during high-velocity microparticle impacts. *Applied Surface Science*, **2022**, 574, 151673 | 6.7 | 0 |
| 15 | Optimization of the Mo-Cr binary system for Nanophase Separation Sintering. *Materialia*, **2022**, 22, 101410 | 3.2 | 0 |
| 14 | Fast finite element calculation of effective conductivity of random continuum microstructures: The recursive Poincaré-Steklov operator method. *Journal of Computational Physics*, **2017**, 342, 1-12 | 4.1 | |
| 13 | Nanoindentation: High Temperature **2010**, 1-6 | | |
| 12 | Thermo-Mechanical behavior at Nano-Scale and Size Effects in Shape Memory Alloys. *Materials Research Society Symposia Proceedings*, **2011**, 1297, 83 | | |
| 11 | Modeling and Simulation of the Percolation Problem in High-Tc Superconductors: Role of Crystallographic Constraints on Grain Boundary Connectivity. *Materials Research Society Symposia Proceedings*, **2004**, 819, N7.7.1 | | |
| 10 | Optical and Nanomechanical Characterization of an Omnidirectional Reflector Encompassing 850 nm Wavelength. *Materials Research Society Symposia Proceedings*, **2004**, 817, 112 | | |

# List of Publications

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|---|---|---|
| 9 | Strength Variations during Mechanical Alloying Through the Nanostructural Range. *Materials Research Society Symposia Proceedings*, **2003**, 791, 1 | |
| 8 | Processing and Properties of Nanostructured Alloy Coatings in the Binary Ni-Cr System. *Materials Research Society Symposia Proceedings*, **2005**, 903, 1 | |
| 7 | Incorporating the Element of Stochasticity in Coarse-Grained Modeling of Materials Mechanics **2020**, 1223-1236 | |
| 6 | Amorphization of Nanolaminates during Severe Plastic Deformation: Molecular Simulations in the Cu-Zr System. *Materials Research Society Symposia Proceedings*, **2003**, 778, 131 | |
| 5 | OS0120-150 Deformation behavior during indentation in magnesium. *The Proceedings of the Materials and Mechanics Conference*, **2015**, 2015, _OS0120-15-_OS0120-15 | 0 |
| 4 | GS0303-209 Texture evolution modeling of Ni alloys by crystal plasticity including twinning mechanism. *The Proceedings of the Materials and Mechanics Conference*, **2015**, 2015, _GS0303-20-_GS0303-20 | 0 |
| 3 | Study on behaviors of crystal reorientation and twinning in Ni alloys using crystal plasticity. *The Proceedings of the Materials and Mechanics Conference*, **2016**, 2016, OS08-06 | 0 |
| 2 | Stress-dependence of kinetic transitions at atomistic defects. *Modelling and Simulation in Materials Science and Engineering*, **2018**, 26, 015007 | 2 |
| 1 | Incorporating the Element of Stochasticity in Coarse-Grained Modeling of Materials Mechanics **2018**, 1-14 | |