

The brass-type texture and its deviation from the copper

Progress in Materials Science

54, 351-396

DOI: [10.1016/j.pmatsci.2008.09.002](https://doi.org/10.1016/j.pmatsci.2008.09.002)

Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Improved magnetostriction in cold-rolled and annealed Mn50Fe50 alloy. Scripta Materialia, 2009, 61, 427-430. | 2.6 | 8 |
| 2 | Effect of combining plane-strain compression with equal channel angular pressing on mechanical properties and texture development in an Al alloy. Journal of Materials Science, 2009, 44, 5654-5661. | 1.7 | 10 |
| 3 | A comparison of viscoplastic intermediate approaches for deformation texture evolution in face-centered cubic polycrystals. Acta Materialia, 2009, 57, 2496-2508. | 3.8 | 18 |
| 4 | Mechanical, microstructure and texture properties of interstitial-free steel and copper subjected to equal channel angular extrusion and cold-rolling. Journal of Physics: Conference Series, 2010, 240, 012110. | 0.3 | 5 |
| 5 | Nucleation and thickening of shear bands in nano-scale twin/matrix lamellae of a Cu-Al alloy processed by dynamic plastic deformation. Acta Materialia, 2010, 58, 3103-3116. | 3.8 | 172 |
| 6 | Multisite model prediction of texture induced anisotropy in brass. International Journal of Material Forming, 2010, 3, 251-254. | 0.9 | 10 |
| 7 | Effect of deformation path change on plastic response and texture evolution for 1050 Al pre-deformed by ECAP and subsequently plane strain compressed. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2547-2558. | 2.6 | 13 |
| 8 | Linear friction welding of AISI 316L stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 680-690. | 2.6 | 86 |
| 9 | Modelling of texture evolution in metals accounting for lattice reorientation due to twinning. European Journal of Mechanics, A/Solids, 2010, 29, 28-41. | 2.1 | 17 |
| 10 | Texture Manipulation in Commercial Purity Aluminum by Deformation Path Change from ECAP to Plane Strain Compression. Materials Science Forum, 2010, 667-669, 445-450. | 0.3 | 0 |
| 11 | Fabrication of the Textured Ni-9.3at.%W Alloy Substrate for Coated Conductors. IEEE Transactions on Applied Superconductivity, 2011, 21, 2969-2972. | 1.1 | 14 |
| 12 | Effect of temperature on microstructure and texture of rolled Ni-9.3 at.%W alloy. Materials Science and Technology, 2011, 27, 1412-1415. | 0.8 | 4 |
| 13 | The Brass-Type Texture – How close Are we to Understand it?. Materials Science Forum, 0, 702-703, 216-223. | 0.3 | 7 |
| 14 | Rolling Texture Transition in FCC Metals Using the Viscoplastic $\dot{\gamma}_1$ -Model and Considering Mechanical Twinning. Materials Science Forum, 0, 702-703, 241-244. | 0.3 | 1 |
| 15 | Problem of Lattice Rotation Due to Plastic Deformation. Example of Rolling of f.c.c Materials. Archives of Metallurgy and Materials, 2011, 56, 575-584. | 0.6 | 11 |
| 16 | Interface-facilitated deformation twinning in copper within submicron Ag-Cu multilayered composites. Scripta Materialia, 2011, 64, 1083-1086. | 2.6 | 81 |
| 17 | Microtexture analysis of cold-rolled and annealed twinning-induced plasticity steel. Scripta Materialia, 2011, 65, 560-563. | 2.6 | 29 |
| 18 | EBSD investigation of the microstructure and microtexture evolution of 1050 aluminum cross deformed from ECAP to plane strain compression. Journal of Materials Science, 2011, 46, 3291-3308. | 1.7 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Texture evolution of cold rolled and annealed Fe-24Mn-3Al-2Si-1Ni-0.06C TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 4537-4549. | 2.6 | 113 |
| 20 | Microstructural effects on yield surface evolution in cubic metals using the viscoplastic ĩ̄-model. <i>International Journal of Plasticity</i> , 2011, 27, 102-120. | 4.1 | 17 |
| 21 | 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 |
| 22 | Synchrotron X-Ray Diffraction Study of Texture Evolution in 904L Stainless Steel under Dynamic Shock Compression. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 81-88. | 1.1 | 3 |
| 23 | Strain Mode Dependence of Deformation Texture Developments: Microstructural Origin. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 2113-2124. | 1.1 | 38 |
| 24 | Modeling of large plastic deformation behavior and anisotropy evolution in cold rolled bcc steels using the viscoplastic ĩ̄-model-based grain-interaction. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5840-5853. | 2.6 | 15 |
| 25 | Effect of strain path change on the evolution of texture and microstructure during rolling of copper and nickel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7739-7750. | 2.6 | 113 |
| 26 | Role of stacking fault energy on the deformation characteristics of copper alloys processed by plane strain compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7579-7588. | 2.6 | 22 |
| 27 | Strain heterogeneity and local anisotropy in TWIP steels. <i>AIP Conference Proceedings</i> , 2011, , . | 0.3 | 1 |
| 28 | Evolution of Crystallographic Texture in Cold Rolled Al-Zn-Mg Alloys Used in Space Applications. <i>Materials Science Forum</i> , 0, 702-703, 315-319. | 0.3 | 3 |
| 29 | On the reverse mode of fcc deformation twinning. <i>Acta Materialia</i> , 2012, 60, 6413-6420. | 3.8 | 16 |
| 30 | Evolution of Crystallographic Texture and Microstructure During Cold Rolling of Twinning-Induced Plasticity (TWIP) Steel: Experiments and Simulations. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 5193-5201. | 1.1 | 31 |
| 31 | Microstructure and texture evolution during accumulative roll bonding of aluminium alloys AA2219/AA5086 composite laminates. <i>Journal of Materials Science</i> , 2012, 47, 6402-6419. | 1.7 | 35 |
| 32 | Non-crystallographic shear banding in crystal plasticity FEM simulations: Example of texture evolution in ĩ̄±-brass. <i>Acta Materialia</i> , 2012, 60, 1099-1115. | 3.8 | 87 |
| 33 | Crystal plasticity modeling of texture development and hardening in TWIP steels. <i>Acta Materialia</i> , 2012, 60, 2135-2145. | 3.8 | 84 |
| 34 | Orientation dependence of shear banding in face-centered-cubic single crystals. <i>Acta Materialia</i> , 2012, 60, 3415-3434. | 3.8 | 129 |
| 35 | Modelling the combined effect of grain size and grain shape on plastic anisotropy of metals. <i>International Journal of Plasticity</i> , 2012, 32-33, 70-84. | 4.1 | 43 |
| 36 | Development of microstructure and texture in Copper during warm accumulative roll bonding. <i>Materials Characterization</i> , 2012, 70, 74-82. | 1.9 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Mechanical properties, microstructure and micro-texture evolution for 1050AA deformed by equal channel angular pressing (ECAP) and post ECAP plane strain compression using two loading schemes. <i>Materials & Design</i> , 2012, 34, 793-807. | 5.1 | 25 |
| 38 | On the stress state dependence of the twinning rate and work hardening in twinning-induced plasticity steels. <i>Scripta Materialia</i> , 2012, 66, 966-971. | 2.6 | 61 |
| 39 | Heterogeneous deformation in twinning-induced plasticity steel. <i>Scripta Materialia</i> , 2012, 66, 986-991. | 2.6 | 38 |
| 40 | On the evolution and modelling of lattice strains during the cyclic loading of TWIP steel. <i>Acta Materialia</i> , 2013, 61, 5247-5262. | 3.8 | 40 |
| 41 | Multilevel crystal plasticity models of single- and polycrystals. Statistical models. <i>Physical Mesomechanics</i> , 2013, 16, 23-33. | 1.0 | 52 |
| 42 | Texture Evolution During Cross Rolling and Annealing of High-Purity Nickel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 2707-2716. | 1.1 | 29 |
| 43 | A crystal plasticity study of heterophase interface character stability of Cu/Nb bicrystals. <i>International Journal of Plasticity</i> , 2013, 48, 72-91. | 4.1 | 51 |
| 44 | Nanoscale characterization of the evolution of the twin matrix orientation in Fe-Mn-C twinning-induced plasticity steel by means of transmission electron microscopy orientation mapping. <i>Scripta Materialia</i> , 2013, 68, 400-403. | 2.6 | 21 |
| 45 | New experimental insight into the mechanisms of nanoplasticity. <i>Acta Materialia</i> , 2013, 61, 7271-7284. | 3.8 | 72 |
| 46 | Multilevel model of inelastic deformation of FCC polycrystalline with description of structure evolution. <i>Computational Materials Science</i> , 2013, 79, 429-441. | 1.4 | 17 |
| 47 | On the Relation of Microstructure and Texture Evolution in an Austenitic Fe-28Mn-0.28C TWIP Steel During Cold Rolling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 911-922. | 1.1 | 67 |
| 48 | Microstructure and texture evolution in a twinning-induced-plasticity steel during uniaxial tension. <i>Acta Materialia</i> , 2013, 61, 2671-2691. | 3.8 | 88 |
| 49 | On the feasibility of twinning nucleation via extrinsic faulting in twinning-induced plasticity steel. <i>Scripta Materialia</i> , 2013, 68, 436-439. | 2.6 | 19 |
| 50 | Coupled effects of the lattice rotation definition, twinning and interaction strength on the FCC rolling texture evolution using the viscoplastic $\dot{\epsilon}$ -model. <i>International Journal of Plasticity</i> , 2013, 46, 23-36. | 4.1 | 17 |
| 51 | The effect of starting grain size on the evolution of microstructure and texture in nickel during processing by cross-rolling. <i>Materials Characterization</i> , 2013, 76, 21-27. | 1.9 | 39 |
| 52 | Evolution of Microstructure and Texture During Deformation and Recrystallization of Heavily Rolled Cu-Cu Multilayer. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 3866-3881. | 1.1 | 17 |
| 53 | Effects of cold rolling on microstructure and mechanical properties of Fe-30Mn-3Si-4Al-0.093C TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 561, 329-337. | 2.6 | 46 |
| 54 | Deformation behaviour at macro- and nano-length scales: The development of orientation gradients. <i>Materials Letters</i> , 2013, 99, 81-85. | 1.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | On the lattice rotations accompanying slip. <i>Materials Science and Technology</i> , 2013, 29, 129-133. | 0.8 | 7 |
| 56 | Contribution of Process Annealing on the Development of Microstructure and Texture of Cu-30Zn Brass. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-8. | 1.0 | 1 |
| 58 | Development of Microstructures and Textures by Cross Rolling. , 2014, , 81-106. | | 22 |
| 59 | Evolution of deformation and annealing textures in Incoloy 800H/HT via different rolling paths and strains. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 614, 250-263. | 2.6 | 34 |
| 60 | FCC Rolling Textures Reviewed in the Light of Quantitative Comparisons between Simulated and Experimental Textures. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 391-422. | 6.8 | 18 |
| 61 | The Influence of Grain Interactions on the Plastic Stability of Heterophase Interfaces. <i>Materials</i> , 2014, 7, 302-322. | 1.3 | 16 |
| 62 | New insights into the development of microstructure and deformation texture in nickel-60 wt.% cobalt alloy. <i>Acta Materialia</i> , 2014, 78, 222-235. | 3.8 | 47 |
| 63 | Deformation of nanograined Ni-60Co alloy with low stacking fault energy. <i>Philosophical Magazine Letters</i> , 2014, 94, 548-555. | 0.5 | 13 |
| 64 | Effect of Warm-Rolling on the Formation of Microstructure and Microtexture of the Constituent Phases in a Duplex Steel. <i>Materials Science Forum</i> , 0, 783-786, 2555-2560. | 0.3 | 2 |
| 65 | Self-Consistent Modeling of Texture Evolution in TWIP Steel During Uniaxial Tension. <i>Steel Research International</i> , 2014, 85, 1120-1127. | 1.0 | 4 |
| 66 | Effect of Extensive Isothermal Rolling on Microstructure and Mechanical Properties of an Al-Mg-Sc Alloy. <i>Materials Science Forum</i> , 0, 794-796, 1187-1192. | 0.3 | 1 |
| 67 | Deformation Texture and Microstructure Evolution in Nickel and Nickel-Cobalt Alloys. <i>Materials Science Forum</i> , 0, 783-786, 2597-2601. | 0.3 | 0 |
| 68 | A mechanism-based model for deformation twinning in polycrystalline FCC steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 206-218. | 2.6 | 15 |
| 69 | Influence of Shear Banding on the Formation of Brass-type Textures in Polycrystalline fcc Metals with Low Stacking Fault Energy. <i>Journal of Materials Science and Technology</i> , 2014, 30, 408-416. | 5.6 | 41 |
| 70 | A quantitative approach to study the effect of local texture and heterogeneous plastic strain on the deformation micromechanism in RR1000 nickel-based superalloy. <i>Acta Materialia</i> , 2014, 74, 110-124. | 3.8 | 99 |
| 71 | Evolution of Microstructure and Texture During Warm Rolling of a Duplex Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 2180-2191. | 1.1 | 30 |
| 72 | On the evolution and modelling of brass-type texture in cold-rolled twinning-induced plasticity steel. <i>Acta Materialia</i> , 2014, 70, 259-271. | 3.8 | 66 |
| 73 | Effect of Change in Strain Path During Cold Rolling on the Evolution of Microstructure and Texture in Al and Al-2.5%Mg. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 458-468. | 1.2 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 74 | Texture development and microstructure evolution in metastable austenitic steel processed by accumulative roll bonding and subsequent annealing. <i>Journal of Materials Science</i> , 2014, 49, 6570-6578. | 1.7 | 19 |
| 75 | Effect of alloy composition, stacking fault energy, second phase particles, initial thickness, and measurement position on deformation texture development of nanostructured FCC materials fabricated via accumulative roll bonding process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 598, 77-97. | 2.6 | 33 |
| 76 | Self-consistent modelling of lattice strains during the in-situ tensile loading of twinning induced plasticity steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 589, 66-75. | 2.6 | 17 |
| 77 | Microstructure and texture evolution during annealing of equiatomic CoCrFeMnNi high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2014, 587, 544-552. | 2.8 | 413 |
| 78 | Electron backscatter diffraction study of deformation and recrystallization textures of individual phases in a cross-rolled duplex steel. <i>Materials Characterization</i> , 2014, 96, 263-272. | 1.9 | 28 |
| 79 | Unexpected brass-type texture in rolling of ultrafine-grained copper. <i>Scripta Materialia</i> , 2014, 92, 51-54. | 2.6 | 43 |
| 80 | Applying the texture analysis for optimizing thermomechanical treatment of high manganese twinning-induced plasticity steel. <i>Acta Materialia</i> , 2014, 80, 327-340. | 3.8 | 92 |
| 81 | EBSD study on crystallographic texture and microstructure development of cold-rolled FePd alloy. <i>Materials Characterization</i> , 2014, 93, 163-172. | 1.9 | 10 |
| 82 | Modeling of deformation behavior and texture evolution in magnesium alloy using the intermediate $\bar{\rho}$ -model. <i>International Journal of Plasticity</i> , 2014, 52, 77-94. | 4.1 | 20 |
| 83 | Deformation behavior of the cobalt-based superalloy Haynes 25: Experimental characterization and crystal plasticity modeling. <i>Acta Materialia</i> , 2014, 63, 162-168. | 3.8 | 86 |
| 84 | Evolution of crystallographic texture and strain in a fine-grained Ni ₃ Al (Zr, B) intermetallic alloy during cold rolling. <i>Archives of Civil and Mechanical Engineering</i> , 2014, 14, 550-560. | 1.9 | 18 |
| 85 | Texture transition in cold-rolled nickel-40wt.% cobalt alloy. <i>Acta Materialia</i> , 2014, 74, 151-164. | 3.8 | 55 |
| 86 | Recrystallization and cube texture formation in heavily cold-rolled Ni ₇ W alloy substrates for coated conductors. <i>Journal of Materials Research</i> , 2015, 30, 1686-1692. | 1.2 | 4 |
| 87 | Effects of structural heterogeneity of nanostructured copper on the evolution of the sizes of recrystallized grains during annealing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 89, 012033. | 0.3 | 1 |
| 88 | Two-level models of polycrystalline elastoviscoplasticity: Complex loading under large deformations. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2015, 95, 1067-1080. | 0.9 | 3 |
| 89 | Correlation of Grain Size, Stacking Fault Energy, and Texture in Cu-Al Alloys Deformed under Simulated Rolling Conditions. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-12. | 1.0 | 8 |
| 90 | Evolution of microstructure and texture during annealing of Al-2.5Mg-0.2%Sc severely deformed by a combination of accumulative roll bonding (ARB) and conventional rolling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012045. | 0.3 | 2 |
| 91 | Effect of starting grain size on the evolution of microstructure and texture during thermo-mechanical processing of CoCrFeMnNi high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2015, 647, 82-96. | 2.8 | 66 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 92 | Strain softening during tension in cold drawn Cu–Ag alloys. <i>Materials Characterization</i> , 2015, 108, 145-151. | 1.9 | 8 |
| 93 | Microstructure evolution of alumina dispersion strengthened copper alloy deformed under different conditions. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 3953-3958. | 1.7 | 2 |
| 94 | Inhomogeneous Deformation of Multilayered Roll-Bonded Brass/Cu Composites. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 600-607. | 1.5 | 7 |
| 95 | Defect-interface interactions. <i>Progress in Materials Science</i> , 2015, 74, 125-210. | 16.0 | 450 |
| 96 | Microstructure, Texture, and Mechanical Property Analysis of Gas Metal Arc Welded AISI 304 Austenitic Stainless Steel. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 1125-1139. | 1.2 | 40 |
| 97 | Texture Evolution in Nanocrystalline Nickel: Critical Role of Strain Path. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 915-925. | 1.1 | 6 |
| 98 | Grain size dependent texture evolution in severely rolled pure copper. <i>Materials Characterization</i> , 2015, 101, 180-188. | 1.9 | 36 |
| 99 | Analytical expressions of incompatibility stresses at $\Sigma 111$ twin boundaries and consequences on single-slip promotion parallel to twin plane. <i>Philosophical Magazine</i> , 2015, 95, 12-31. | 0.7 | 11 |
| 100 | Suppression of twinning and phase transformation in an ultrafine grained 2 GPa strong metastable austenitic steel: Experiment and simulation. <i>Acta Materialia</i> , 2015, 97, 305-315. | 3.8 | 79 |
| 101 | Nucleation behavior and formation of recrystallization texture in pre-recovery treated heavily cold and warm-rolled Al–2.5 wt.%Mg alloy. <i>Materials Characterization</i> , 2015, 106, 141-151. | 1.9 | 11 |
| 102 | Microstructure, texture and mechanical properties of 5A02 aluminum alloy tubes under electromagnetic bulging. <i>Materials and Design</i> , 2015, 82, 106-113. | 3.3 | 20 |
| 103 | An experimental study of the polycrystalline plasticity of austenitic stainless steel. <i>International Journal of Plasticity</i> , 2015, 74, 92-109. | 4.1 | 154 |
| 104 | Evolution of texture and its influence on the failure of components in some aluminium alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012110. | 0.3 | 0 |
| 105 | Role of stacking fault energy on texture evolution revisited. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012031. | 0.3 | 7 |
| 106 | Analysis of microstructure and microtexture during grain growth in low stacking fault energy equiatomic CoCrFeMnNi high entropy and Ni–60wt.%Co alloys. <i>Journal of Alloys and Compounds</i> , 2015, 637, 267-276. | 2.8 | 64 |
| 107 | Quantitative comparison between simulated and experimental FCC rolling textures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012011. | 0.3 | 0 |
| 108 | Annealing texture of a cold-rolled Fe–Mn–Al–Si–C alloy. <i>Philosophical Magazine</i> , 2015, 95, 3002-3013. | 0.7 | 2 |
| 109 | Deformation Twinning in Zirconium: Direct Experimental Observations and Polycrystal Plasticity Predictions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 5058-5071. | 1.1 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 110 | Evolution of microstructure and texture of cold-drawn polycrystalline Ag with low stacking fault energy. <i>Science China Technological Sciences</i> , 2015, 58, 1146-1153. | 2.0 | 9 |
| 111 | Effect of cold-rolling strain on the evolution of annealing texture of equiatomic CoCrFeMnNi high entropy alloy. <i>Materials Characterization</i> , 2015, 109, 189-197. | 1.9 | 65 |
| 112 | Effect of Prior Recovery Treatment on the Evolution of Cube Texture During Annealing of Severely Warm-Rolled Al-2.5Åwt pctMg Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 4966-4977. | 1.1 | 7 |
| 113 | Analysis of shear deformation by slip and twinning in low and high/medium stacking fault energy fcc metals using the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>İ</mml:mi></mml:mrow></mml:math>-model. <i>International Journal of Plasticity</i> , 2015, 68, 132-149. | 4.1 | 12 |
| 114 | Texture evolution in the Fe-30.5Mn-8.0Al-1.2C and Fe-30.5Mn-2.1Al-1.2C steels upon cold rolling. <i>Revista Escola De Minas</i> , 2016, 69, 59-65. | 0.1 | 3 |
| 115 | Microstructural analysis in the Fe-30.5Mn-8.0Al-1.2C and Fe-30.5Mn-2.1Al-1.2C steels upon cold rolling. <i>Revista Escola De Minas</i> , 2016, 69, 167-173. | 0.1 | 0 |
| 116 | Modeling of the Mechanical Response During Reversal Shear Loading: Application to Steels. <i>Steel Research International</i> , 2016, 87, 850-858. | 1.0 | 1 |
| 117 | Evolutions of the texture and microstructure of a heavily cold-rolled Ni9W alloy during recrystallization. <i>Journal of Materials Research</i> , 2016, 31, 2438-2444. | 1.2 | 7 |
| 118 | Inhomogeneous Texture Distribution in a Cu-Ag Lamellar Composite Processed by Cold Rolling. <i>Materials Transactions</i> , 2016, 57, 119-126. | 0.4 | 1 |
| 120 | Effects of Deformation Texture and Microstructure on Recrystallization and Grain Growth in Twip Steels. , 2016, , 137-145. | | 0 |
| 121 | An investigation on rolling texture transition in copper preprocessed by equal channel angular pressing. <i>Journal of Materials Science</i> , 2016, 51, 5609-5624. | 1.7 | 11 |
| 122 | Manganese: High Content in Steels. , 2016, , 2098-2113. | | 0 |
| 123 | Investigation on Grain Size Effect of Rolling Texture in Copper. <i>Materials Science Forum</i> , 0, 850, 857-863. | 0.3 | 4 |
| 124 | Weakening rolling texture in a nanotwinned copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 670, 90-96. | 2.6 | 1 |
| 125 | Micro-mechanisms of deformation texture evolution in nanocrystalline nickel-cobalt alloys. <i>Acta Materialia</i> , 2016, 121, 46-58. | 3.8 | 25 |
| 126 | Micro-mechanical aspects of texture evolution in nickel and nickel-cobalt alloys: role of stacking fault energy. <i>Philosophical Magazine</i> , 2016, 96, 3177-3199. | 0.7 | 28 |
| 127 | Microstructure and micro-texture evolution during the dynamic recrystallisation of a Ni-30Fe-Nb-C model alloy. <i>Journal of Alloys and Compounds</i> , 2016, 689, 250-265. | 2.8 | 12 |
| 128 | Effect of equal channel angular pressing on the thermal-annealing-induced microstructure and texture evolution of cold-rolled copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 674, 186-192. | 2.6 | 33 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 129 | Effects of Deformation Texture and Microstructure on Recrystallization and Grain Growth in Twip Steels. , 2016, , 137-145. | | 1 |
| 130 | Cube texture evolution of Ni5W alloy substrates and Laâ€œZrâ€œO buffer layer of YBCO-coated conductors. Rare Metals, 2016, , 1. | 3.6 | 2 |
| 131 | Mechanical properties of copper/bronze laminates: Role of interfaces. Acta Materialia, 2016, 116, 43-52. | 3.8 | 507 |
| 132 | Evolution of microstructure and texture during thermo-mechanical processing of a two phase Al0.5CoCrFeMnNi high entropy alloy. Materials Characterization, 2016, 118, 417-424. | 1.9 | 65 |
| 133 | Semi-quantitative evaluation of texture components and fatigue properties in 2524 T3 aluminum alloy sheets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 657, 15-25. | 2.6 | 40 |
| 134 | Deciphering micro-mechanisms of plastic deformation in a novel single phase fcc-based MnFeCoNiCu high entropy alloy using crystallographic texture. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 657, 224-233. | 2.6 | 96 |
| 135 | Evolution of Texture and Microstructure in Deformed and Annealed Copper-Iron Multilayer. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 852-868. | 1.1 | 7 |
| 136 | Softening behavior by excessive twinning and adiabatic heating at high strain rate in a Feâ€œ20Mnâ€œ0.6C TWIP steel. Acta Materialia, 2016, 103, 229-242. | 3.8 | 107 |
| 137 | The effect of strain distribution on microstructural developments during forging in a newly developed nickel base superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 654, 317-328. | 2.6 | 59 |
| 138 | Experimental studies on detwinning of face-centered cubic deformation twins. Acta Materialia, 2016, 104, 52-61. | 3.8 | 21 |
| 139 | Microstructure and texture of heavily cold-rolled and annealed fcc equiatomic medium to high entropy alloys. Journal of Alloys and Compounds, 2016, 664, 109-119. | 2.8 | 91 |
| 140 | Effect of heavy cryo-rolling on the evolution of microstructure and texture during annealing of equiatomic CoCrFeMnNi high entropy alloy. Intermetallics, 2016, 69, 1-9. | 1.8 | 108 |
| 141 | Functionally Graded High-Alloy CrMnNi TRIP Steel Produced by Local Heat Treatment Using High-Energy Electron Beam. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 123-138. | 1.1 | 2 |
| 142 | A re-evaluation of â€œThe micromechanics of twinning in a TWIP steelâ€œ. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 649, 184-189. | 2.6 | 5 |
| 143 | Cold-rolling and recrystallization textures of a nano-lamellar AlCoCrFeNi2.1 eutectic high entropy alloy. Intermetallics, 2017, 84, 42-51. | 1.8 | 102 |
| 144 | Microstructural and crystallographic response of shock-loaded pure copper. Journal of Materials Research, 2017, 32, 1484-1498. | 1.2 | 8 |
| 145 | Dislocation cross-slip in fcc solid solution alloys. Acta Materialia, 2017, 128, 135-148. | 3.8 | 68 |
| 146 | Unexpected Cube texture in cold rolling of copper. Materials Letters, 2017, 202, 111-115. | 1.3 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 147 | Texture development during cold rolling of Fe-Cr-Ni alloy-experiments and simulations. Philosophical Magazine, 2017, 97, 1939-1962. | 0.7 | 15 |
| 148 | Temperature dependence of microstructure and texture in cold drawn aluminum wire. Transactions of Nonferrous Metals Society of China, 2017, 27, 763-770. | 1.7 | 10 |
| 149 | Deformation mechanisms during large strain deformation of high Mn TWIP steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 700, 209-219. | 2.6 | 15 |
| 150 | Leaf-like carbon nanotube-graphene nanoribbon hybrid reinforcements for enhanced load transfer in copper matrix composites. Scripta Materialia, 2017, 138, 17-21. | 2.6 | 63 |
| 151 | Designing duplex, ultrafine-grained Fe-Mn-Al-C steels by tuning phase transformation and recrystallization kinetics. Acta Materialia, 2017, 141, 374-387. | 3.8 | 77 |
| 152 | Correlation of Microstructure and Texture in a Two-Phase High-Mn Twinning-Induced Plasticity Steel During Cold Rolling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4842-4856. | 1.1 | 8 |
| 153 | Effect of Phase Contiguity and Morphology on the Evolution of Deformation Texture in Two-Phase Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 809-827. | 1.1 | 10 |
| 154 | Differential Speed Rolling of Ni ₃ Al-Based Intermetallic Alloy. Electron Backscatter Diffraction and X-Ray Diffraction Study on Structure and Texture Evolution. Advanced Engineering Materials, 2017, 19, 1600618. | 1.6 | 3 |
| 155 | Temperature dependence of work hardening in sparsely twinning zirconium. Acta Materialia, 2017, 123, 337-349. | 3.8 | 24 |
| 156 | Evolution of the Brass texture in an Al-Cu-Mg alloy during hot rolling. Journal of Alloys and Compounds, 2017, 691, 786-799. | 2.8 | 62 |
| 157 | Microstructure and texture evolution in the cryorolled CuZr alloy. Journal of Alloys and Compounds, 2017, 693, 592-600. | 2.8 | 17 |
| 158 | Characteristics of microstructure evolution of two-phase H62 brass alloy during continuous extrusion. Procedia Engineering, 2017, 207, 1123-1128. | 1.2 | 7 |
| 159 | Misorientation-Dependent Twinning Induced Hardening and Texture Evolution of TWIP Steel Sheet in Plastic Deformation Process. Metals, 2017, 7, 348. | 1.0 | 10 |
| 160 | Comparative assessment of microstructure and texture in the Fe-30.5Mn-8.0Al-1.2C and Fe-30.5Mn-2.1Al-1.2C steels under cold rolling. REM: International Engineering Journal, 2017, 70, 299-306. | 0.2 | 1 |
| 161 | Transmission of $\langle 111 \rangle$ twins across grain boundaries in a metastable β -titanium alloy. International Journal of Plasticity, 2018, 105, 195-210. | 4.1 | 44 |
| 162 | Effects of Mode of Deformation and Extent of Reduction on Evolution of $\{111\}$ -Fiber During Cold Rolling of Ni-16Cr Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 2832-2842. | 1.1 | 3 |
| 163 | Evolution of Texture in Some Mn Steel. Lecture Notes in Mechanical Engineering, 2018, , 49-58. | 0.3 | 2 |
| 164 | Advanced High Strength Steel. Lecture Notes in Mechanical Engineering, 2018, , | 0.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 165 | Mechanical and corrosion properties of AA5083 alloy sheets produced by accumulative roll bonding (ARB) and conventional cold rolling (CR). <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018, 69, 858-869. | 0.8 | 10 |
| 166 | Effect of Thermomechanical Processing on Texture and Superelasticity in Fe-Ni-Co-Al-Ti-B Alloy. <i>Shape Memory and Superelasticity</i> , 2018, 4, 102-111. | 1.1 | 15 |
| 167 | Textural changes during recovery annealing of a heavily cold-rolled Fe-Mn-Al-Si-C alloy. <i>Ironmaking and Steelmaking</i> , 2018, 45, 302-308. | 1.1 | 1 |
| 168 | Twinning-induced plasticity (TWIP) steels. <i>Acta Materialia</i> , 2018, 142, 283-362. | 3.8 | 963 |
| 169 | Microstructure and Texture of Ni7W/Ni12W/Ni7W Composite Substrates at Different Intermediate Annealing Temperatures. <i>Rare Metal Materials and Engineering</i> , 2018, 47, 2936-2941. | 0.8 | 0 |
| 170 | Rolling Texture Development in Aluminum-Zinc Solid Solutions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 375, 012024. | 0.3 | 0 |
| 171 | Influences of Interfaces on Dynamic Recrystallization and Texture Evolution During Hot Rolling of Graphene Nanoribbon/Cu Composite. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 6401-6415. | 1.1 | 4 |
| 172 | Strain-Induced Martensitic Transformation and Texture Evolution in Cold-Rolled Co-Cr Alloys. <i>Quantum Beam Science</i> , 2018, 2, 11. | 0.6 | 11 |
| 173 | Numerical simulations of adiabatic shear localization in textured FCC metal based on crystal plasticity finite element method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 737, 348-363. | 2.6 | 15 |
| 174 | Effects of alloying addition on deformation mechanisms, microstructure, texture and mechanical properties in Fe-12Mn-0.5C austenitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 385-397. | 2.6 | 18 |
| 175 | Deciphering the Possible Role of Strain Path on the Evolution of Microstructure, Texture, and Magnetic Properties in a Fe-Cr-Ni Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 3402-3418. | 1.1 | 13 |
| 176 | Activation volume and its relation with plastic instability. <i>Materials Chemistry and Physics</i> , 2018, 217, 98-101. | 2.0 | 3 |
| 177 | Study on microstructure evolution of AISI 304 stainless steel joined by rotary friction welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2018, 62, 1187-1193. | 1.3 | 10 |
| 178 | On the first direct observation of de-twinning in a twinning-induced plasticity steel. <i>Acta Materialia</i> , 2018, 156, 172-182. | 3.8 | 30 |
| 179 | Effects of Changing Hot Rolling Direction on Microstructure, Texture and Mechanical Properties of Cu-2.7Be Sheets. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 3532-3543. | 1.2 | 3 |
| 180 | Texture evolution in medium Mn containing TWIP steel: Experiments and Simulation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 375, 012020. | 0.3 | 2 |
| 181 | Deformation behaviour of Al-Cu-Li alloy containing T ₁ precipitates. <i>Materials Science and Technology</i> , 2018, 34, 2105-2113. | 0.8 | 13 |
| 182 | On the correlation of shear band formation and texture evolution in α -brass during accumulative roll bonding. <i>Scripta Materialia</i> , 2018, 154, 172-175. | 2.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 183 | Evolution of twinning systems and variants during sequential twinning in cryo-rolled titanium. <i>International Journal of Plasticity</i> , 2019, 112, 52-67. | 4.1 | 54 |
| 184 | Development and homogeneity of microstructure and texture in a lamellar AlCoCrFeNi _{2.1} eutectic high-entropy alloy severely strained in the warm-deformation regime. <i>Journal of Materials Research</i> , 2019, 34, 687-699. | 1.2 | 21 |
| 185 | Effects of Stacking Fault Energy on Deformation Mechanisms in Al-Added Medium Mn TWIP Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 3683-3696. | 1.1 | 15 |
| 186 | Quasi in situ characterization of texture evolution in a copper-manganese alloy deformed by cold rolling. <i>Materials Research Express</i> , 2019, 6, 0865e4. | 0.8 | 0 |
| 187 | Microstructure and mechanical properties of cold drawing CoCrFeMnNi high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2019, 795, 45-53. | 2.8 | 42 |
| 188 | Texture and Microstructure Development of Tensile Deformed High-Mn Steel during Early Stage of Recrystallization. <i>Physics of Metals and Metallography</i> , 2019, 120, 32-40. | 0.3 | 5 |
| 189 | The addition of silver affects the deformation mechanism of a twinning-induced plasticity steel: Potential for thinner degradable stents. <i>Acta Biomaterialia</i> , 2019, 98, 103-113. | 4.1 | 13 |
| 190 | Tensile deformation and fracture behaviours of cold rolled Cu-3wt.%Ag-0.5wt.%Zr thin sheets with different annealed microstructures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 756, 27-34. | 2.6 | 18 |
| 191 | Mechanical behavior and texture evolution of aluminum alloys subjected to strain path changes: Experiments and modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 757, 32-41. | 2.6 | 14 |
| 192 | Experimental and Self-Consistent Modeling Study of De-twinning in a Twinning-Induced Plasticity Steel. <i>Jom</i> , 2019, 71, 1396-1403. | 0.9 | 3 |
| 193 | Uncharacteristic evolution of copper type texture in the presence of shearable precipitates. <i>Materials Chemistry and Physics</i> , 2019, 229, 61-65. | 2.0 | 0 |
| 194 | Brass-texture induced grain structure evolution in room temperature rolled ODS copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 749, 118-128. | 2.6 | 19 |
| 195 | Effect of Cyclic Expansion-Extrusion Process on Microstructure, Deformation and Dynamic Recrystallization Mechanisms, and Texture Evolution of AZ80 Magnesium Alloy. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-10. | 1.0 | 4 |
| 196 | Texture Evolution and Its Effect on Fatigue Crack Propagation in Two 2000 Series Alloys. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 1324-1336. | 1.2 | 11 |
| 197 | Microstructure development and high tensile properties of He/H ₂ milled oxide dispersion strengthened copper. <i>Journal of Alloys and Compounds</i> , 2019, 783, 674-679. | 2.8 | 9 |
| 198 | DAMASK – The Düsseldorf Advanced Material Simulation Kit for modeling multi-physics crystal plasticity, thermal, and damage phenomena from the single crystal up to the component scale. <i>Computational Materials Science</i> , 2019, 158, 420-478. | 1.4 | 440 |
| 199 | Significant strengthening in superlight Al-Mg alloy with an exceptionally large amount of Mg (13 wt%) after cold rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 744, 36-44. | 2.6 | 52 |
| 200 | Four unusual texture transitions in high purity copper during cold deformation followed by quenching. <i>Materials Research Express</i> , 2019, 6, 016513. | 0.8 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 201 | An investigation on shear banding and crystallographic texture of Ag–Cu alloys deformed by high-pressure torsion. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 794-806. | 1.1 | 3 |
| 202 | Effect of Heterophase Interfaces on Microstructure and Crystallographic Texture Evolution During Rolling of Directionally Solidified Ag-Cu Eutectic Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 368-379. | 1.1 | 1 |
| 203 | Differences in texture evolution from low-entropy to high-entropy face-centered cubic alloys during tension test. Intermetallics, 2020, 118, 106635. | 1.8 | 5 |
| 204 | On the microstructural evolution pattern toward nano-scale of an AISI 304 stainless steel during high strain rate surface deformation. Journal of Materials Science and Technology, 2020, 44, 148-159. | 5.6 | 16 |
| 205 | Microstructure development in cryogenically rolled oxide dispersion strengthened copper. Materialia, 2020, 9, 100520. | 1.3 | 8 |
| 206 | Effect of Stacking Fault Energy on Microstructure and Texture Evolution during the Rolling of Non-Equiatomic CrMnFeCoNi High-Entropy Alloys. Crystals, 2020, 10, 607. | 1.0 | 7 |
| 207 | A study on crystal plasticity of face-centered cubic structures induced by deformation twinning. Acta Materialia, 2020, 197, 146-162. | 3.8 | 11 |
| 208 | Evolution of Deformation Texture in Low Modulus $\text{Ti-34Nb-2Ta-(0, 3)Zr-0.5O}$ Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 4045-4058. | 1.1 | 3 |
| 209 | Reduce the Planar Anisotropy of AA6016 Aluminum Sheets by Texture and Microstructure Control. Crystals, 2020, 10, 1027. | 1.0 | 3 |
| 210 | Structure and Texture Evolution of the Metastable Austenitic Steel during Cold Working. Physics of Metals and Metallography, 2020, 121, 675-682. | 0.3 | 2 |
| 211 | Study on Fabrication of Ni8W/Ni12W/Ni8W Composite Substrate for Coated Conductors. Advanced Engineering Materials, 2020, 22, 2000735. | 1.6 | 0 |
| 212 | Influence of Surface Texture and Composition on Graphene Growth by Chemical Vapor Deposition on Cu–Ni Alloys for Field Emission Application. ACS Applied Nano Materials, 2020, 3, 9804-9812. | 2.4 | 1 |
| 213 | The Effects of Reduction and Thermal Treatment on the Recrystallization and Crystallographic Texture Evolution of 5182 Aluminum Alloy. Metals, 2020, 10, 1380. | 1.0 | 12 |
| 214 | Texture transition in Al–Mg alloys: effect of magnesium. Philosophical Magazine, 2020, 100, 2143-2164. | 0.7 | 4 |
| 215 | On the Impact of Texture and Grain Size on the Pseudoelastic Properties of Polycrystalline Fe–Ni–Co–Al–Ti Alloy. Shape Memory and Superelasticity, 2020, 6, 191-201. | 1.1 | 6 |
| 216 | Evolution of rotated Brass texture by cross rolling: Implications on formability. Materials Science and Technology, 2020, 36, 1272-1281. | 0.8 | 1 |
| 217 | Evolution of Goss texture in an Al–Cu–Mg alloy during cold rolling. Archives of Civil and Mechanical Engineering, 2020, 20, 1. | 1.9 | 16 |
| 218 | Texture formation in face-centered cubic high-entropy alloys. Journal of Alloys and Compounds, 2020, 826, 154183. | 2.8 | 42 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 219 | The effects of precipitates on microstructure and $\hat{\rho}^2$ -fiber texture in an Al-Cu-Li alloy during hot rolling. <i>Materials Characterization</i> , 2020, 162, 110186. | 1.9 | 15 |
| 220 | Formation of Recrystallization Cube Texture in Highly Rolled Ni-9.3 at % W. <i>Physics of Metals and Metallography</i> , 2020, 121, 248-253. | 0.3 | 4 |
| 221 | Elucidating the deformation modes in incremental sheet forming process: Insights from crystallographic texture, microstructure and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139311. | 2.6 | 18 |
| 222 | A Comprehensive Study on Texture Development and Twin-Related Domain Evolution Following Hot Compression in a Super Austenitic Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 3535-3551. | 1.1 | 11 |
| 223 | Design of a FeMnAlC steel with TWIP effect and evaluation of its tensile and fatigue properties. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154806. | 2.8 | 19 |
| 224 | On the low-cycle fatigue response of CoCrNiFeMn high entropy alloy with ultra-fine grain structure. <i>Acta Materialia</i> , 2021, 205, 116540. | 3.8 | 69 |
| 225 | Severe warm-rolling mediated microstructure and texture of equiatomic CoCrFeMnNi high entropy alloy: A comparison with cold-rolling. <i>Intermetallics</i> , 2021, 129, 107029. | 1.8 | 15 |
| 226 | Kink band and shear band localization in anisotropic perfectly plastic solids. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 146, 104183. | 2.3 | 19 |
| 227 | Multistep Cross Rolling of UNS S32101 Steel: Microstructure, Texture, and Magnetic Properties. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 2916-2929. | 1.2 | 15 |
| 228 | Microstructure Evolution and Texture Characteristics of Pure Nickel N6 During Cold Rolling Process. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 1361-1371. | 0.7 | 3 |
| 229 | Evolution of microstructure, texture and mechanical properties of Fe-30Mn-11Al-1.2C low-density steel during cold rolling. <i>Materials Characterization</i> , 2021, 174, 111013. | 1.9 | 25 |
| 230 | Deformation mechanisms and texture evolution in high entropy alloy during cold rolling. <i>International Journal of Plasticity</i> , 2021, 141, 102989. | 4.1 | 45 |
| 231 | An in-situ electron backscattering diffraction and viscoplastic self-consistent study of OFHC copper subjected to uniaxial tension. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 819, 141184. | 2.6 | 4 |
| 232 | Microstructure and Texture Evolution During Cold Rolling of 316L Stainless Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 4100-4111. | 1.1 | 8 |
| 233 | Incorporating latent hardening in visco-plastic self-consistent framework for performing texture simulations. <i>Materials Science and Technology</i> , 2021, 37, 752-764. | 0.8 | 4 |
| 234 | Influences of Thermomechanical Processing by Severe Cold and Warm Rolling on the Microstructure, Texture, and Mechanical Properties of an Equiatomic CoCrNi Medium-Entropy Alloy. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 8956-8971. | 1.2 | 11 |
| 235 | Multiplicative Representation of the Deformation Gradient Tensor in Geometrically Nonlinear Multilevel Constitutive Models. <i>Lobachevskii Journal of Mathematics</i> , 2021, 42, 2047-2055. | 0.1 | 1 |
| 236 | A Study about Ni-8 at % W Alloy Substrates Used for REBCO Coated Conductors. <i>Physics of Metals and Metallography</i> , 2021, 122, 1473-1481. | 0.3 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 237 | A general approach to determine texture patterns using pole figure. Journal of Materials Research and Technology, 2021, 14, 1284-1291. | 2.6 | 9 |
| 238 | Investigation on the Strengthening Mechanism of Flow Control Extrusion by Using Experiment and Numerical Simulation. Materials, 2021, 14, 5001. | 1.3 | 0 |
| 239 | Factors that govern the electric permittivity of carbon materials in the graphite allotrope family. Carbon, 2021, 184, 245-252. | 5.4 | 11 |
| 240 | Microstructure and texture of CoCrNi medium entropy alloy (MEA) processed by severe cryo-rolling: A study vis-a-vis cold-rolling. Intermetallics, 2021, 138, 107345. | 1.8 | 15 |
| 241 | Strain rate effects on microstructure and texture evolution in cold-sheared Al-6 Mg alloys during low-temperature annealing. Journal of Alloys and Compounds, 2021, 889, 161630. | 2.8 | 3 |
| 242 | Modeling in Crystal Plasticity: From Theory to Application. , 2022, , 552-560. | | 0 |
| 243 | Enhanced formability and hardness of AA2195-T6 during electromagnetic forming. Journal of Alloys and Compounds, 2022, 890, 161891. | 2.8 | 15 |
| 244 | The origin of annealing texture in a cold-rolled Incoloy 800H/HT after different strain paths. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 619, 334-344. | 2.6 | 14 |
| 245 | Texture Formation in a Polycrystalline Fe-Ni-Co-Al-Ti-B Shape Memory Alloy. ISIJ International, 2020, 60, 2973-2982. | 0.6 | 5 |
| 246 | Recrystallisation of Cold Rolled CuMgSn Alloys Produced from Thin Cast Slabs. , 2013, , 2607-2614. | | 0 |
| 247 | Lattice Rotation Definition and Predicted Textures of Tensile and Compression Deformation. Archives of Metallurgy and Materials, 2016, 61, 1529-1536. | 0.6 | 3 |
| 248 | Effect of Asymmetric Cold Rolling on Texture of a Commercially Pure Copper. Acta Physica Polonica A, 2016, 130, 1049-1052. | 0.2 | 1 |
| 249 | Cold Rolling Practice of Martensitic Steel. , 2017, , 450-481. | | 0 |
| 250 | Evolution of microstructures and properties leading to layer instabilities during accumulative roll bonding of Fe Cu, Fe Ag, and Fe Al. Materials and Design, 2021, 212, 110204. | 3.3 | 12 |
| 251 | Rolling Texture of Cu-30%Zn Alloy Using Taylor Model Based on Twinning and Coplanar Slip. Crystals, 2021, 11, 1351. | 1.0 | 1 |
| 252 | Development of the Cube Component $\left(\left\{ 001 \right\} \left\ \left\{ 100 \right\} \right. \right)$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Nucleation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 503-522. | 1.1 | 5 |
| 253 | The Research on Recrystallization Behaviors and Mechanism of a Medium-Density Ni-Based Alloy. Metals, 2022, 12, 137. | 1.0 | 0 |
| 254 | Unidirectional cold rolling of Fe-21Cr-5Mn-1.5Ni alloy - Microstructure, texture and magnetic properties. Journal of Magnetism and Magnetic Materials, 2022, 549, 169040. | 1.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 255 | Relationship with Hot Workability and Texture Evolution in an Al-Zn-Mg-Cu Alloy Under Hot Compressive Stress Mode. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 256 | A crystal plasticity investigation on the influence of orientation relationships on texture evolution during rolling in fcc/bcc two phase materials. Materials Today Communications, 2022, 31, 103300. | 0.9 | 4 |
| 257 | Role of Twin Boundaries and Copper Content on the Mechanism of Recrystallization in Ni-Cu Alloys. Materialia, 2022, , 101428. | 1.3 | 1 |
| 258 | Microstructure and unusually strong recrystallization texture of the FCC phase of a cost-effective high-strength dual-phase AlCrFe2Ni2 high entropy alloy. Intermetallics, 2022, 145, 107559. | 1.8 | 10 |
| 259 | Effects of deep cold rolling on the evolution of microstructure, microtexture, and mechanical properties of 2507 duplex stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 845, 143224. | 2.6 | 11 |
| 260 | On the dual-stage partial recrystallization and the corresponding mechanical response of the Cantor alloy. Journal of Alloys and Compounds, 2022, 918, 165651. | 2.8 | 4 |
| 261 | Enhancement of mechanical properties of a novel single phase Ni1.5FeCrCu0.5 HEA through cold rolling and subsequent annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 848, 143360. | 2.6 | 10 |
| 262 | Unveiling the room-temperature softening phenomenon and texture evolution in room-temperature- and cryogenic-rolled ETP copper. International Journal of Plasticity, 2022, 156, 103340. | 4.1 | 11 |
| 263 | Anisotropic work hardening behaviour in duplex stainless steel under uni-axial loading: Interplay between phase morphology and crystallographic texture. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 849, 143418. | 2.6 | 2 |
| 264 | The evolution of main textures and the formation of P orientation with nanoprecipitates after friction stir processing. Journal of Manufacturing Processes, 2022, 80, 591-599. | 2.8 | 2 |
| 265 | Investigations on the interface-dominated deformation mechanisms of two-dimensional MAX-phase Ti3Al(Cu)C2 nanoflakes reinforced copper matrix composites. Acta Materialia, 2022, 240, 118363. | 3.8 | 6 |
| 266 | Influence of Co content on the simultaneous enhancement of strength and ductility in severely drawn textured Ni-Co microwires. Philosophical Magazine Letters, 0, , 1-13. | 0.5 | 1 |
| 267 | Microstructure and texture of heavily cold-rolled and annealed extremely low stacking fault energy Cr26Mn20Fe20Co20Ni14 high entropy alloy: Comparative insights. Journal of Alloys and Compounds, 2023, 930, 167418. | 2.8 | 6 |
| 268 | Unveiling the self-annealing phenomenon and texture evolution in room-temperature-rolled Cu-Fe-P alloy sheets. International Journal of Plasticity, 2022, 159, 103473. | 4.1 | 5 |
| 269 | Texture Evolution of a Single Crystal Cu-8% at. Al Subjected to the Drawing Process. Crystals, 2022, 12, 1435. | 1.0 | 0 |
| 270 | Experimental analysis of deformation texture evolutions in pure Cu, Cu-37Zn, Al-6Mg, and ~8Mg alloys at cold-rolling processes. Journal of Alloys and Compounds, 2023, 934, 167879. | 2.8 | 9 |
| 271 | Effect of ultrasonic-assisted surface plastic deformation on the microstructures and tensile properties of discrete laser hardening treated Cr~Ni~Mo alloyed steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2023, 862, 144495. | 2.6 | 7 |
| 272 | Tensile overload-induced texture effects on the fatigue resistance of a CoCrFeMnNi high-entropy alloy. Acta Materialia, 2023, 245, 118585. | 3.8 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 273 | Effect of cold rolling on microstructure, texture, and tensile properties of a Ni-Fe-based superalloy. Journal of Alloys and Compounds, 2023, 937, 168383. | 2.8 | 6 |
| 274 | Non-monotonic evolution of microstructure and fatigue properties of round bar plate rotary friction welding joints in 304 austenitic stainless steel. Materials and Design, 2022, 224, 111400. | 3.3 | 5 |
| 275 | Optimization of Solution Heat Treatment Processes for AA7075-H18 Alloy Sheets. Journal of Materials Engineering and Performance, 0, , . | 1.2 | 0 |
| 276 | Analysis of microstructure evolution and deformation mechanism of nano-oxides Al ₂ O ₃ dispersion strengthened copper alloy during compression at room temperature. Journal of Alloys and Compounds, 2023, 949, 169837. | 2.8 | 2 |
| 277 | Cryo-rolling and annealing-mediated nano/ultrafine structure, texture, and properties of extremely low stacking-fault energy high entropy alloys: Comparative perspectives. Journal of Alloys and Compounds, 2023, 953, 170025. | 2.8 | 4 |
| 278 | Texture evolution and twinnability prediction of the most compliant orientation in GH3536 superalloy during cold rolling. Journal of Materials Research and Technology, 2023, 24, 2743-2756. | 2.6 | 3 |
| 279 | Development of Fe-Ni-Co-Al-based superelastic alloys. Critical Reviews in Solid State and Materials Sciences, 2024, 49, 308-333. | 6.8 | 1 |