

The brass-type texture and its deviation from the copper

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Improved magnetostriction in cold-rolled and annealed Mn50Fe50 alloy. Scripta Materialia, 2009, 61, 427-430.	5.2	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.	3.7	10
3	A comparison of viscoplastic intermediate approaches for deformation texture evolution in face-centered cubic polycrystals. Acta Materialia, 2009, 57, 2496-2508.	7.9	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.	0.4	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.	7.9	172
6	Multisite model prediction of texture induced anisotropy in brass. International Journal of Material Forming, 2010, 3, 251-254.	2.0	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.	5.6	13
8	Linear friction welding of AISI 316L stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 680-690.	5.6	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.	3.7	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.	1.7	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.	1.6	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 $\dot{\gamma}_i$ -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.	5.2	81
17	Microtexture analysis of cold-rolled and annealed twinning-induced plasticity steel. Scripta Materialia, 2011, 65, 560-563.	5.2	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.	3.7	19

#	ARTICLE	IF	CITATIONS
19	Texture evolution of cold rolled and annealed Fe-24Mn-3Al-2Si-1Ni-0.06C TWIP steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4537-4549.	5.6	113
20	Microstructural effects on yield surface evolution in cubic metals using the viscoplastic ĩ-model. International Journal of Plasticity, 2011, 27, 102-120.	8.8	17
21	Texture evolution via combined slip and deformation twinning in rolled silver-copper cast eutectic nanocomposite. International Journal of Plasticity, 2011, 27, 121-146.	8.8	127
22	Synchrotron X-Ray Diffraction Study of Texture Evolution in 904L Stainless Steel under Dynamic Shock Compression. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 81-88.	2.2	3
23	Strain Mode Dependence of Deformation Texture Developments: Microstructural Origin. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 2113-2124.	2.2	38
24	Modeling of large plastic deformation behavior and anisotropy evolution in cold rolled bcc steels using the viscoplastic ĩ-model-based grain-interaction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5840-5853.	5.6	15
25	Effect of strain path change on the evolution of texture and microstructure during rolling of copper and nickel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7739-7750.	5.6	113
26	Role of stacking fault energy on the deformation characteristics of copper alloys processed by plane strain compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7579-7588.	5.6	22
27	Strain heterogeneity and local anisotropy in TWIP steels. AIP Conference Proceedings, 2011, , .	0.4	1
28	Evolution of Crystallographic Texture in Cold Rolled Al-Zn-Mg Alloys Used in Space Applications. Materials Science Forum, 0, 702-703, 315-319.	0.3	3
29	On the reverse mode of fcc deformation twinning. Acta Materialia, 2012, 60, 6413-6420.	7.9	16
30	Evolution of Crystallographic Texture and Microstructure During Cold Rolling of Twinning-Induced Plasticity (TWIP) Steel: Experiments and Simulations. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 5193-5201.	2.2	31
31	Microstructure and texture evolution during accumulative roll bonding of aluminium alloys AA2219/AA5086 composite laminates. Journal of Materials Science, 2012, 47, 6402-6419.	3.7	35
32	Non-crystallographic shear banding in crystal plasticity FEM simulations: Example of texture evolution in ĩ±-brass. Acta Materialia, 2012, 60, 1099-1115.	7.9	87
33	Crystal plasticity modeling of texture development and hardening in TWIP steels. Acta Materialia, 2012, 60, 2135-2145.	7.9	84
34	Orientation dependence of shear banding in face-centered-cubic single crystals. Acta Materialia, 2012, 60, 3415-3434.	7.9	129
35	Modelling the combined effect of grain size and grain shape on plastic anisotropy of metals. International Journal of Plasticity, 2012, 32-33, 70-84.	8.8	43
36	Development of microstructure and texture in Copper during warm accumulative roll bonding. Materials Characterization, 2012, 70, 74-82.	4.4	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.	5.2	61
39	Heterogeneous deformation in twinning-induced plasticity steel. <i>Scripta Materialia</i> , 2012, 66, 986-991.	5.2	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.	7.9	40
41	Multilevel crystal plasticity models of single- and polycrystals. Statistical models. <i>Physical Mesomechanics</i> , 2013, 16, 23-33.	1.9	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.	2.2	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.	8.8	51
44	Nanoscale characterization of the evolution of the twinâ€‘matrix orientation in Feâ€‘Mnâ€‘C twinning-induced plasticity steel by means of transmission electron microscopy orientation mapping. <i>Scripta Materialia</i> , 2013, 68, 400-403.	5.2	21
45	New experimental insight into the mechanisms of nanoplasticity. <i>Acta Materialia</i> , 2013, 61, 7271-7284.	7.9	72
46	Multilevel model of inelastic deformation of FCC polycrystalline with description of structure evolution. <i>Computational Materials Science</i> , 2013, 79, 429-441.	3.0	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.	2.2	67
48	Microstructure and texture evolution in a twinning-induced-plasticity steel during uniaxial tension. <i>Acta Materialia</i> , 2013, 61, 2671-2691.	7.9	88
49	On the feasibility of twinning nucleation via extrinsic faulting in twinning-induced plasticity steel. <i>Scripta Materialia</i> , 2013, 68, 436-439.	5.2	19
50	Coupled effects of the lattice rotation definition, twinning and interaction strength on the FCC rolling texture evolution using the viscoplastic Î·-model. <i>International Journal of Plasticity</i> , 2013, 46, 23-36.	8.8	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.	4.4	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.	2.2	17
53	Effects of cold rolling on microstructure and mechanical properties of Feâ€‘30Mnâ€‘3Siâ€‘4Alâ€‘0.093C TWIP steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 561, 329-337.	5.6	46
54	Deformation behaviour at macro- and nano-length scales: The development of orientation gradients. <i>Materials Letters</i> , 2013, 99, 81-85.	2.6	21

#	ARTICLE	IF	CITATIONS
55	On the lattice rotations accompanying slip. <i>Materials Science and Technology</i> , 2013, 29, 129-133.	1.6	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.	1.8	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.	5.6	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.	12.3	18
61	The Influence of Grain Interactions on the Plastic Stability of Heterophase Interfaces. <i>Materials</i> , 2014, 7, 302-322.	2.9	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.	7.9	47
63	Deformation of nanograined Ni-60Co alloy with low stacking fault energy. <i>Philosophical Magazine Letters</i> , 2014, 94, 548-555.	1.2	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.	1.8	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.	5.6	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.	10.7	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.	7.9	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.	2.2	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.	7.9	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.	2.5	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.	3.7	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.	5.6	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.	5.6	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.	5.5	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.	4.4	28
79	Unexpected brass-type texture in rolling of ultrafine-grained copper. <i>Scripta Materialia</i> , 2014, 92, 51-54.	5.2	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.	7.9	92
81	EBSD study on crystallographic texture and microstructure development of cold-rolled FePd alloy. <i>Materials Characterization</i> , 2014, 93, 163-172.	4.4	10
82	Modeling of deformation behavior and texture evolution in magnesium alloy using the intermediate $\bar{\mu}$ -model. <i>International Journal of Plasticity</i> , 2014, 52, 77-94.	8.8	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.	7.9	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.	3.8	18
85	Texture transition in cold-rolled nickel-40wt.% cobalt alloy. <i>Acta Materialia</i> , 2014, 74, 151-164.	7.9	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.	2.6	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.	0.6	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.	1.6	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.	1.8	8
90	Evolution of microstructure and texture during annealing of Al-2.5%Mg-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.	0.6	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.	5.5	66

#	ARTICLE	IF	CITATIONS
92	Strain softening during tension in cold drawn Cu–Ag alloys. <i>Materials Characterization</i> , 2015, 108, 145-151.	4.4	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.	4.2	2
94	Inhomogeneous Deformation of Multilayered Roll-Bonded Brass/Cu Composites. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 600-607.	2.9	7
95	Defect-interface interactions. <i>Progress in Materials Science</i> , 2015, 74, 125-210.	32.8	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.	2.5	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.	2.2	6
98	Grain size dependent texture evolution in severely rolled pure copper. <i>Materials Characterization</i> , 2015, 101, 180-188.	4.4	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.	1.6	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.	7.9	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.	4.4	11
102	Microstructure, texture and mechanical properties of 5A02 aluminum alloy tubes under electromagnetic bulging. <i>Materials and Design</i> , 2015, 82, 106-113.	7.0	20
103	An experimental study of the polycrystalline plasticity of austenitic stainless steel. <i>International Journal of Plasticity</i> , 2015, 74, 92-109.	8.8	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.	0.6	0
105	Role of stacking fault energy on texture evolution revisited. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012031.	0.6	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.	5.5	64
107	Quantitative comparison between simulated and experimental FCC rolling textures. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012011.	0.6	0
108	Annealing texture of a cold-rolled Fe–Mn–Al–Si–C alloy. <i>Philosophical Magazine</i> , 2015, 95, 3002-3013.	1.6	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.	2.2	17

#	ARTICLE	IF	CITATIONS
110	Evolution of microstructure and texture of cold-drawn polycrystalline Ag with low stacking fault energy. Science China Technological Sciences, 2015, 58, 1146-1153.	4.0	9
111	Effect of cold-rolling strain on the evolution of annealing texture of equiatomic CoCrFeMnNi high entropy alloy. Materials Characterization, 2015, 109, 189-197.	4.4	65
112	Effect of Prior Recovery Treatment on the Evolution of Cube Texture During Annealing of Severely Warm-Rolled Al-2.5Åwt pctMg Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 4966-4977.	2.2	7
113	Analysis of shear deformation by slip and twinning in low and high/medium stacking fault energy fcc metals using the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \tilde{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -model. International Journal of Plasticity, 2015, 68, 132-149.	8.8	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. Revista Escola De Minas, 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. Revista Escola De Minas, 2016, 69, 167-173.	0.1	0
116	Modeling of the Mechanical Response During Reversal Shear Loading: Application to Steels. Steel Research International, 2016, 87, 850-858.	1.8	1
117	Evolutions of the texture and microstructure of a heavily cold-rolled Ni9W alloy during recrystallization. Journal of Materials Research, 2016, 31, 2438-2444.	2.6	7
118	Inhomogeneous Texture Distribution in a Cu-Ag Lamellar Composite Processed by Cold Rolling. Materials Transactions, 2016, 57, 119-126.	1.2	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. Journal of Materials Science, 2016, 51, 5609-5624.	3.7	11
122	Manganese: High Content in Steels. , 2016, , 2098-2113.		0
123	Investigation on Grain Size Effect of Rolling Texture in Copper. Materials Science Forum, 0, 850, 857-863.	0.3	4
124	Weakening rolling texture in a nanotwinned copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 670, 90-96.	5.6	1
125	Micro-mechanisms of deformation texture evolution in nanocrystalline nickel-cobalt alloys. Acta Materialia, 2016, 121, 46-58.	7.9	25
126	Micro-mechanical aspects of texture evolution in nickel and nickel-cobalt alloys: role of stacking fault energy. Philosophical Magazine, 2016, 96, 3177-3199.	1.6	28
127	Microstructure and micro-texture evolution during the dynamic recrystallisation of a Ni-30Fe-Nb-C model alloy. Journal of Alloys and Compounds, 2016, 689, 250-265.	5.5	12
128	Effect of equal channel angular pressing on the thermal-annealing-induced microstructure and texture evolution of cold-rolled copper. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 186-192.	5.6	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€“Zrâ€“O buffer layer of YBCO-coated conductors. Rare Metals, 2016, , 1.	7.1	2
131	Mechanical properties of copper/bronze laminates: Role of interfaces. Acta Materialia, 2016, 116, 43-52.	7.9	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.	4.4	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.	5.6	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.	5.6	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.	2.2	7
136	Softening behavior by excessive twinning and adiabatic heating at high strain rate in a Feâ€“20Mnâ€“0.6C TWIP steel. Acta Materialia, 2016, 103, 229-242.	7.9	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.	5.6	59
138	Experimental studies on detwinning of face-centered cubic deformation twins. Acta Materialia, 2016, 104, 52-61.	7.9	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.	5.5	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.	3.9	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.	2.2	2
142	A re-evaluation of â€œThe micromechanics of twinning in a TWIP steelâ€•. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 649, 184-189.	5.6	5
143	Cold-rolling and recrystallization textures of a nano-lamellar AlCoCrFeNi2.1 eutectic high entropy alloy. Intermetallics, 2017, 84, 42-51.	3.9	102
144	Microstructural and crystallographic response of shock-loaded pure copper. Journal of Materials Research, 2017, 32, 1484-1498.	2.6	8
145	Dislocation cross-slip in fcc solid solution alloys. Acta Materialia, 2017, 128, 135-148.	7.9	68
146	Unexpected Cube texture in cold rolling of copper. Materials Letters, 2017, 202, 111-115.	2.6	26

148	Temperature dependence of microstructure and texture in cold drawn aluminum wire. Transactions of Nonferrous Metals Society of China, 2017, 27, 763-770.	4.2	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.	5.6	15
150	Leaf-like carbon nanotube-graphene nanoribbon hybrid reinforcements for enhanced load transfer in copper matrix composites. Scripta Materialia, 2017, 138, 17-21.	5.2	63
151	Designing duplex, ultrafine-grained Fe-Mn-Al-C steels by tuning phase transformation and recrystallization kinetics. Acta Materialia, 2017, 141, 374-387.	7.9	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.	2.2	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.	2.2	10
154	Differential Speed Rolling of Ni ₃ Al-Based Intermetallic Alloy's Electron Backscatter Diffraction and X-Ray Diffraction Study on Structure and Texture Evolution. Advanced Engineering Materials, 2017, 19, 1600618.	3.5	3
155	Temperature dependence of work hardening in sparsely twinning zirconium. Acta Materialia, 2017, 123, 337-349.	7.9	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.	5.5	62
157	Microstructure and texture evolution in the cryorolled CuZr alloy. Journal of Alloys and Compounds, 2017, 693, 592-600.	5.5	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.	2.3	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.	0.4	1
161	Transmission of $\langle 111 \rangle$ twins across grain boundaries in a metastable β^2 -titanium alloy. International Journal of Plasticity, 2018, 105, 195-210.	8.8	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.	2.2	3
163	Evolution of Texture in Some Mn Steel. Lecture Notes in Mechanical Engineering, 2018, , 49-58.	0.4	2
164	Advanced High Strength Steel. Lecture Notes in Mechanical Engineering, 2018, , .	0.4	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.	1.5	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.	2.2	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.	2.1	1
168	Twinning-induced plasticity (TWIP) steels. <i>Acta Materialia</i> , 2018, 142, 283-362.	7.9	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.	0.6	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.	2.2	4
172	Strain-Induced Martensitic Transformation and Texture Evolution in Cold-Rolled Co-Cr Alloys. <i>Quantum Beam Science</i> , 2018, 2, 11.	1.2	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.	5.6	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.	5.6	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.	2.2	13
176	Activation volume and its relation with plastic instability. <i>Materials Chemistry and Physics</i> , 2018, 217, 98-101.	4.0	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.	2.5	10
178	On the first direct observation of de-twinning in a twinning-induced plasticity steel. <i>Acta Materialia</i> , 2018, 156, 172-182.	7.9	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.	2.5	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.	0.6	2
181	Deformation behaviour of Al-Cu-Li alloy containing T ₁ precipitates. <i>Materials Science and Technology</i> , 2018, 34, 2105-2113.	1.6	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.	5.2	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.	8.8	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.	2.6	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.	2.2	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.	1.6	0
187	Microstructure and mechanical properties of cold drawing CoCrFeMnNi high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2019, 795, 45-53.	5.5	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.	1.0	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.	8.3	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.	5.6	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.	5.6	14
192	Experimental and Self-Consistent Modeling Study of De-twinning in a Twinning-Induced Plasticity Steel. <i>Jom</i> , 2019, 71, 1396-1403.	1.9	3
193	Uncharacteristic evolution of copper type texture in the presence of shearable precipitates. <i>Materials Chemistry and Physics</i> , 2019, 229, 61-65.	4.0	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.	5.6	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.	1.8	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.	2.5	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.	5.5	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.	3.0	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.	5.6	52
200	Four unusual texture transitions in high purity copper during cold deformation followed by quenching. <i>Materials Research Express</i> , 2019, 6, 016513.	1.6	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.	2.1	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.	2.2	1
203	Differences in texture evolution from low-entropy to high-entropy face-centered cubic alloys during tension test. Intermetallics, 2020, 118, 106635.	3.9	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.	10.7	16
205	Microstructure development in cryogenically rolled oxide dispersion strengthened copper. Materialia, 2020, 9, 100520.	2.7	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.	2.2	7
207	A study on crystal plasticity of face-centered cubic structures induced by deformation twinning. Acta Materialia, 2020, 197, 146-162.	7.9	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.	2.2	3
209	Reduce the Planar Anisotropy of AA6016 Aluminum Sheets by Texture and Microstructure Control. Crystals, 2020, 10, 1027.	2.2	3
210	Structure and Texture Evolution of the Metastable Austenitic Steel during Cold Working. Physics of Metals and Metallography, 2020, 121, 675-682.	1.0	2
211	Study on Fabrication of Ni8W/Ni12W/Ni8W Composite Substrate for Coated Conductors. Advanced Engineering Materials, 2020, 22, 2000735.	3.5	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.	5.0	1
213	The Effects of Reduction and Thermal Treatment on the Recrystallization and Crystallographic Texture Evolution of 5182 Aluminum Alloy. Metals, 2020, 10, 1380.	2.3	12
214	Texture transition in Al–Mg alloys: effect of magnesium. Philosophical Magazine, 2020, 100, 2143-2164.	1.6	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.	2.2	6
216	Evolution of rotated Brass texture by cross rolling: Implications on formability. Materials Science and Technology, 2020, 36, 1272-1281.	1.6	1
217	Evolution of Goss texture in an Al–Cu–Mg alloy during cold rolling. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	16
218	Texture formation in face-centered cubic high-entropy alloys. Journal of Alloys and Compounds, 2020, 826, 154183.	5.5	42

#	ARTICLE	IF	CITATIONS
219	The effects of precipitates on microstructure and $\hat{\Gamma}^2$ -fiber texture in an Al-Cu-Li alloy during hot rolling. <i>Materials Characterization</i> , 2020, 162, 110186.	4.4	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.	1.0	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.	5.6	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.	2.2	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.	5.5	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.	7.9	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.	3.9	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.	4.8	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.	2.5	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.	1.5	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.	4.4	25
230	Deformation mechanisms and texture evolution in high entropy alloy during cold rolling. <i>International Journal of Plasticity</i> , 2021, 141, 102989.	8.8	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.	5.6	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.	2.2	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.	1.6	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.	2.5	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.	0.9	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.	1.0	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.	5.8	9
238	Investigation on the Strengthening Mechanism of Flow Control Extrusion by Using Experiment and Numerical Simulation. Materials, 2021, 14, 5001.	2.9	0
239	Factors that govern the electric permittivity of carbon materials in the graphite allotrope family. Carbon, 2021, 184, 245-252.	10.3	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.	3.9	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.	5.5	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.	5.5	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.	5.6	14
245	Texture Formation in a Polycrystalline Fe-Ni-Co-Al-Ti-B Shape Memory Alloy. ISIJ International, 2020, 60, 2973-2982.	1.4	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.	0.5	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.	7.0	12
251	Rolling Texture of Cu-30%Zn Alloy Using Taylor Model Based on Twinning and Coplanar Slip. Crystals, 2021, 11, 1351.	2.2	1
252	Development of the Cube Component $\left(\left\{ 001 \right\} \left\langle 100 \right\rangle \right) T_j$ ETQq1 1 0.784314 rgBT /Overlock 10 T5 Nucleation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 503-522.	2.2	5
253	The Research on Recrystallization Behaviors and Mechanism of a Medium-Density Ni-Based Alloy. Metals, 2022, 12, 137.	2.3	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.	2.3	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.	1.9	4
257	Role of Twin Boundaries and Copper Content on the Mechanism of Recrystallization in Ni-Cu Alloys. Materialia, 2022, , 101428.	2.7	1
258	Microstructure and unusually strong recrystallization texture of the FCC phase of a cost-effective high-strength dual-phase AlCrFe ₂ Ni ₂ high entropy alloy. Intermetallics, 2022, 145, 107559.	3.9	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.	5.6	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.	5.5	4
261	Enhancement of mechanical properties of a novel single phase Ni _{1.5} FeCrCu _{0.5} HEA through cold rolling and subsequent annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 848, 143360.	5.6	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.	8.8	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.	5.6	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.	5.9	2
265	Investigations on the interface-dominated deformation mechanisms of two-dimensional MAX-phase Ti ₃ Al(Cu)C ₂ nanoflakes reinforced copper matrix composites. Acta Materialia, 2022, 240, 118363.	7.9	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.	1.2	1
267	Microstructure and texture of heavily cold-rolled and annealed extremely low stacking fault energy Cr ₂₆ Mn ₂₀ Fe ₂₀ Co ₂₀ Ni ₁₄ high entropy alloy: Comparative insights. Journal of Alloys and Compounds, 2023, 930, 167418.	5.5	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.	8.8	5
269	Texture Evolution of a Single Crystal Cu-8% at. Al Subjected to the Drawing Process. Crystals, 2022, 12, 1435.	2.2	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.	5.5	9
271	Effect of ultrasonic-assisted surface plastic deformation on the microstructures and tensile properties of discrete laser hardening treated Crâ€“Niâ€“Mo alloyed steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2023, 862, 144495.	5.6	7
272	Tensile overload-induced texture effects on the fatigue resistance of a CoCrFeMnNi high-entropy alloy. Acta Materialia, 2023, 245, 118585.	7.9	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.	5.5	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.	7.0	5
275	Optimization of Solution Heat Treatment Processes for AA7075-H18 Alloy Sheets. Journal of Materials Engineering and Performance, 0, , .	2.5	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.	5.5	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.	5.5	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.	5.8	3
279	Development of Fe-Ni-Co-Al-based superelastic alloys. Critical Reviews in Solid State and Materials Sciences, 2024, 49, 308-333.	12.3	1
280	Microstructure and texture evolution of pure nickel during cryorolling and subsequent annealing. Journal of Materials Research and Technology, 2023, 24, 6739-6752.	5.8	1
281	Effect of cryogenic rolling on the microstructure and texture of CuCrZr alloy. Journal of Alloys and Compounds, 2023, 960, 170729.	5.5	0
282	Understanding the mechanisms behind the development of cube orientation in the non-cube grains during plane strain compression of medium to high stacking-fault energy FCC metals. Acta Materialia, 2023, 255, 119080.	7.9	1
283	Effect of Modes of Deformation by Cold Rolling on Microstructure, Texture and Mechanical Properties of Ni-16Cr and Ni-16Mo Alloys. Journal of Materials Engineering and Performance, 0, , .	2.5	0
284	Remarkable effect of warm-rolling temperature on the homogeneity of microstructure and texture of a cost-effective AlCrFe ₂ Ni ₂ high entropy alloy. Materials Characterization, 2023, 201, 112957.	4.4	4
285	Unveiling slip/nanotwin/nano shear band deformation mechanisms at the copper side in a roll-welded aluminum/copper couple. Materials Characterization, 2023, 203, 113039.	4.4	3
286	Effect of annealing twins, strain-recrystallization processing and γ' -phase fraction on microtexture and evaluation of mechanical properties of nickel-based superalloy 718. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2023, 881, 145341.	5.6	0
287	New insight of texture and microstructure evolution, and the connections between with tensile performance in as-annealed Al-Cu-Mg-Zr sheet. Journal of Alloys and Compounds, 2023, 967, 171784.	5.5	1
288	Study on Rolling Defects of Al-Mg Alloys with High Mg Content in Normal Rolling and Cross-Rolling Processes. Materials, 2023, 16, 6260.	2.9	0
289	Effects of Cold Rolling Reduction Rate on the Microstructure and Properties of Cu-1.16Ni-0.36Cr Alloy after Thermo-Mechanical Treatment. Materials, 2023, 16, 6508.	2.9	1
290	Effect of variation of cold-rolling strain-paths on the microstructure, texture and mechanical properties of alloy Ni-16Cr-8Fe. Materials Today Communications, 2023, 37, 107070.	1.9	0

#	ARTICLE	IF	CITATIONS
291	Recrystallization tuning to optimize mechanical properties in heavily rolled CoCrFeNi medium entropy alloy. <i>Journal of Alloys and Compounds</i> , 2023, 968, 172153.	5.5	0
292	Reversion of strain induced martensite to achieve high strength and ductility in AISI 304 L. <i>Materials Characterization</i> , 2023, 205, 113353.	4.4	0
293	Field fluctuations viscoplastic self-consistent crystal plasticity: Applications to predicting texture evolution during deformation and recrystallization of cubic polycrystalline metals. <i>Acta Materialia</i> , 2023, 261, 119395.	7.9	2
294	Relationship between hot workability and texture evolution in an Al–Zn–Mg–Cu alloy under hot compressive stress mode. <i>Journal of Materials Science</i> , 2023, 58, 16537-16549.	3.7	0
296	Effect of deformation temperature on strain localization phenomena in an austenitic Fe-30Mn-6.5Al-0.3C low-density steel. <i>Acta Materialia</i> , 2024, 264, 119566.	7.9	0
297	Twinning-Induced Plasticity Behavior of Pulse Laser Powder Bed-Fused 316L Stainless Steels. <i>Journal of Materials Engineering and Performance</i> , 0, , .	2.5	0
298	Evolution of microstructure and texture in Al-containing CoCrNi medium entropy alloys during severe warm-rolling. <i>Materials Characterization</i> , 2024, 207, 113546.	4.4	0
299	Microstructure and mechanical properties of longitudinal weld in 6005A aluminum alloy profile extruded by a porthole die. <i>Journal of Materials Research and Technology</i> , 2024, 28, 2552-2571.	5.8	0
300	Dependence of microstructure evolution of novel CoreFlow [®] aluminium alloy wire on wire diameter. <i>Journal of Materials Research and Technology</i> , 2024, 28, 2442-2454.	5.8	0
301	Complementary Shear Banding During Warm Rolling of Alloy 625 Leads to Uncharacteristic Development of $\{3\}$ -Fiber Texture. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 0, , .	2.2	0
302	Microstructure and Texture of Ultra-High Purity Copper under Changed Rolling Strain Paths and Subsequent Recrystallization Annealing. <i>Physics of Metals and Metallography</i> , 2023, 124, 1392-1403.	1.0	0
303	Multi-scale investigation of microstructure and texture evolution during equal channel angular pressing of silver. <i>Journal of Materials Science</i> , 2024, 59, 5698-5716.	3.7	0
304	Tailoring elastic, mechanical and texture properties of Cu-37Zn brass by ultrasonic impact treatment applied at ambient and cryogenic temperatures. <i>Materials Today Communications</i> , 2024, 38, 108325.	1.9	0
305	Deformation substructure and texture evolution of (VCoNi) _{99.9} Co _{0.1} medium-entropy alloy under different rolling reductions. <i>Journal of Alloys and Compounds</i> , 2024, 983, 173817.	5.5	0
306	Deformation twinning and the role of stacking fault energy during cryogenic testing of Ni-based superalloy 625. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2024, 898, 146404.	5.6	0
307	Deformation behavior, twinning propensity model, and twinnability map for laser powder bed fused austenitic steel homogenized by hot isostatic pressing. <i>International Journal of Plasticity</i> , 2024, 175, 103940.	8.8	0
308	Microstructural studies of CuCrFeNi ₂ Mn _{0.5} high entropy alloy during cold rolling. <i>Journal of Alloys and Compounds</i> , 2024, 987, 174197.	5.5	0