

# Andrew Godfrey

## List of Publications by Year in descending order

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170  
papers

4,641  
citations

94433

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123424

61  
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186  
all docs

186  
docs citations

186  
times ranked

2707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unprecedented age-hardening and its structural requirement in a severely deformed Al-Cu-Mg alloy. Scripta Materialia, 2022, 206, 114240.	5.2	7
2	Strengthening mechanisms in selective laser melted 316L stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142434.	5.6	29
3	Surface patterning allowing combined EBSD and DIC investigations during in-situ deformation experiments. Materials Letters, 2022, 308, 131272.	2.6	5
4	Five-parameter grain boundary character distribution of gold nanoparticles based on three dimensional orientation mapping in the TEM. Scripta Materialia, 2022, 214, 114677.	5.2	6
5	Twinning during recrystallization and its correlation with the deformation microstructure. Scripta Materialia, 2022, 219, 114852.	5.2	5
6	Local residual stresses and microstructure within recrystallizing grains in iron. Materials Characterization, 2022, 191, 112113.	4.4	13
7	Cryogenic toughness in a low-cost austenitic steel. Communications Materials, 2021, 2, .	6.9	28
8	Qualification pathways for additively manufactured components for nuclear applications. Journal of Nuclear Materials, 2021, 548, 152846.	2.7	18
9	Atomic-scale insights into quantum-order parameters in bismuth-doped iron garnet. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	5
10	Microstructure and strength of a tantalum-tungsten alloy after cold rolling from small to large strains. Journal of Materials Science and Technology, 2021, 83, 34-48.	10.7	14
11	Quantification of heterogeneity in microstructural refinement in metals and alloys deformed to high plastic strains. Micron, 2021, 148, 103107.	2.2	1
12	Strain distribution and lattice rotations during in-situ tension of aluminum with a transmodal grain structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 828, 142010.	5.6	5
13	A macro-nano-atomic scale high-throughput approach for material research. Science Advances, 2021, 7, eabj8804.	10.3	9
14	Shot peening effect on fatigue life of EN GJS 600-3 grade ductile iron wheel hubs. IOP Conference Series: Materials Science and Engineering, 2020, 770, 012105.	0.6	0
15	Deformation behavior study in a model dual phase system of copper martensitic steel using in-situ synchrotron X-ray diffraction. IOP Conference Series: Materials Science and Engineering, 2020, 895, 012002.	0.6	1
16	2D and 3D orientation mapping in nanostructured metals: A review. Nano Materials Science, 2020, 2, 50-57.	8.8	20
17	Chemical boundary engineering: A new route toward lean, ultrastrong yet ductile steels. Science Advances, 2020, 6, eaay1430.	10.3	120
18	Dislocation density in fine grain-size spark-plasma sintered aluminum measured using high brightness synchrotron radiation. Materials Letters, 2020, 269, 127653.	2.6	6

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19	Microstructure and mechanical properties of a copper–stainless-steel dual-phase system prepared by spark plasma sintering. <i>Materials Science and Technology</i> , 2020, 36, 1364-1371.	1.6	1
20	Surface patterning for combined digital image correlation and electron backscatter diffraction in-situ deformation experiments. <i>Materials Characterization</i> , 2020, 164, 110332.	4.4	9
21	Alignment of sample position and rotation during <i>in situ</i> synchrotron X-ray micro-diffraction experiments using a Laue cross-correlation approach. <i>Journal of Applied Crystallography</i> , 2019, 52, 1119-1127.	4.5	2
22	Enhancement of an additive-manufactured austenitic stainless steel by post-manufacture heat-treatment. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 759, 65-69.	5.6	75
23	Local residual stress in partially recrystallized iron characterized using high resolution electron backscatter diffraction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 580, 012049.	0.6	1
24	Investigation of plastic yielding in near-micrometer grain size aluminum using synchrotron microdiffraction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 580, 012056.	0.6	1
25	In-situ study of the effect of strain path change on dislocation boundary evolution in commercial purity aluminum. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 580, 012057.	0.6	0
26	In-situ study of microstructural evolution and local strain distribution during tensile loading of near-micrometre grain size aluminium. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 580, 012031.	0.6	2
27	Microstructural evolution of Ta-4%W during cold rolling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 580, 012041.	0.6	3
28	Plastic yielding and tensile strength of near-micrometer grain size pure iron. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 744, 764-772.	5.6	7
29	Structure and strength of sub-100-nm lamellar structures in cold-drawn pearlitic steel wire. <i>Materials Science and Technology</i> , 2018, 34, 794-808.	1.6	24
30	Anisotropic tensile behavior and related yield point phenomena in annealed ultrafine-grained pure aluminum. <i>Transactions of Nonferrous Metals Society of China</i> , 2018, 28, 585-591.	4.2	5
31	Controlled annealing of sandwich-structured aluminum AA1050 for optimized combinations of strength and ductility. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 228-235.	5.6	13
32	Direct observation of nucleation in the bulk of an opaque sample. <i>Scientific Reports</i> , 2017, 7, 42508.	3.3	23
33	The influence of multiscale heterogeneity on recrystallization in nickel processed by accumulative roll bonding. <i>Journal of Materials Science</i> , 2017, 52, 2730-2745.	3.7	28
34	Investigation of grain subdivision at very low plastic strains in a magnesium alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 693, 14-21.	5.6	16
35	Microstructure and mechanical strength of near- and sub-micrometre grain size copper prepared by spark plasma sintering. <i>Materials and Design</i> , 2017, 117, 95-103.	7.0	39
36	Effect of pre-existing twinning on strain localization during deformation of a magnesium alloy. <i>Materials Letters</i> , 2017, 209, 94-96.	2.6	14

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37	Boundary migration in a 3D deformed microstructure inside an opaque sample. <i>Scientific Reports</i> , 2017, 7, 4423.	3.3	19
38	Recrystallization texture in nickel heavily deformed by accumulative roll bonding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 219, 012034.	0.6	2
39	Orientation Dependence of the Deformation Microstructure of Ta-4%W after Cold-Rolling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 219, 012051.	0.6	5
40	Quantification of deformation microstructure at ultra-low tensile strain in pure Al prepared by spark plasma sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 219, 012050.	0.6	3
41	Synthesis and characterization of a model dual-phase system using the spark plasma sintering technique. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 219, 012041.	0.6	1
42	Analysis of Stored Energy in Cold-Rolled Copper Using Bulk and Microstructure-Based Techniques. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 313-319.	2.9	4
43	A gradient nanostructure generated in pure copper by platen friction sliding deformation. <i>Scripta Materialia</i> , 2016, 117, 41-45.	5.2	50
44	Effects of normal stress, surface roughness, and initial grain size on the microstructure of copper subjected to platen friction sliding deformation. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 57-69.	4.9	5
45	Dislocation-based plasticity and strengthening mechanisms in sub-20Ånm lamellar structures in pearlitic steel wire. <i>Acta Materialia</i> , 2016, 114, 176-183.	7.9	112
46	Effect of slip on detwinning behavior during multi-direction compression of a wrought magnesium alloy. <i>Materials Letters</i> , 2016, 178, 208-212.	2.6	6
47	Challenges in the prediction of twin transmission at grain boundaries in a magnesium alloy. <i>Scripta Materialia</i> , 2016, 123, 77-80.	5.2	33
48	A phase-field simulation study of irregular grain boundary migration during recrystallization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 89, 012037.	0.6	10
49	Structural coarsening during annealing of an aluminum plate heavily deformed using ECAE. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 89, 012035.	0.6	1
50	Influence of local strain on twinning behavior during compression of AZ31 magnesium alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 640, 330-337.	5.6	19
51	The kinetics of grain growth in near-micrometre grain size copper produced by spark plasma sintering. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 89, 012060.	0.6	5
52	Heat Treatment of a Candidate Material for 700 Å°C A-USC Power Plants. <i>Journal of Iron and Steel Research International</i> , 2015, 22, 150-156.	2.8	9
53	Microstructural evolution of pure copper subjected to friction sliding deformation at room temperature. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 639, 448-455.	5.6	26
54	Evolution of microstructure and texture during recovery and recrystallization in heavily rolled aluminum. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012083.	0.6	3

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55	Deuterium-induced nanostructure formation on tungsten exposed to high-flux plasma. Journal of Nuclear Materials, 2015, 463, 308-311.	2.7	12
56	Suppressed phase transition and giant ionic conductivity in La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> nanowires. Nature Communications, 2015, 6, 8354.	12.8	35
57	Characterization and influence of deformation microstructure heterogeneity on recrystallization. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012003.	0.6	22
58	Observation of a New Mechanism Balancing Hardening and Softening in Metals. Materials Research Letters, 2014, 2, 160-165.	8.7	34
59	Microstructure evolution and mechanical properties of Inconel 740H during aging at 750 °C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 589, 153-164.	5.6	73
60	Enhanced modification of tungsten surface by nanostructure formation during high flux deuterium plasma exposure. Journal of Nuclear Materials, 2014, 447, 22-27.	2.7	34
61	Analysis of through-thickness heterogeneities of microstructure and texture in nickel after accumulative roll bonding. Journal of Materials Science, 2014, 49, 287-293.	3.7	20
62	The Application of Grain Boundary Engineering to a Nickel Base Superalloy for 973 K (700 °C) USC Power Plants. Metallurgical and Materials Transactions E, 2014, 1, 58-66.	0.5	2
63	In-Situ Investigation of Local Boundary Migration During Recrystallization. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2899-2905.	2.2	26
64	Phase-field simulation study of the migration of recrystallization boundaries. Physical Review B, 2013, 88, .	3.2	60
65	Observations of orientation dependence of surface morphology in tungsten implanted by low energy and high flux D plasma. Journal of Nuclear Materials, 2013, 443, 452-457.	2.7	55
66	Influence of grain size in the near-micrometre regime on the deformation microstructure in aluminium. Acta Materialia, 2013, 61, 7072-7086.	7.9	48
67	Structure and strength of aluminum with sub-micrometer/micrometer grain size prepared by spark plasma sintering. Materials & Design, 2013, 49, 360-367.	5.1	90
68	Microstructure and mechanical properties of nickel processed by accumulative roll bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 576, 160-166.	5.6	34
69	Hierarchical structures in cold-drawn pearlitic steel wire. Acta Materialia, 2013, 61, 4898-4909.	7.9	99
70	Recovery and recrystallization in commercial purity aluminum cold rolled to an ultrahigh strain. Acta Materialia, 2013, 61, 5354-5364.	7.9	86
71	Detrimental effect of cellular precipitation on the creep strength of Inconel740H. Philosophical Magazine Letters, 2013, 93, 688-696.	1.2	5
72	Kinetics of Thermal Grooving during Low Temperature Recrystallization of Pure Aluminum. Materials Science Forum, 2013, 753, 117-120.	0.3	5

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73	EFFECTS OF AUSTENITIZATION AND COOLING RATES ON THE MICROSTRUCTURE IN A HYPER-EUTECTOID STEEL. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 583.	0.3	6
74	DEFORMATION BEHAVIOR OF AZ31 MAGNESIUM ALLOY DURING MULTIAXIAL COMPRESSION BY EBSD TRACKING. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 932.	0.3	3
75	MICROSTRUCTURES AND MECHANICAL PROPERTIES OF SINTERED FINE-GRAINED Al. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 939.	0.3	2
76	Boundary Migration during Recrystallization of Heavily Deformed Pure Nickel. Materials Science Forum, 2012, 715-716, 329-332.	0.3	4
77	3D non-destructive grain orientation mapping of polycrystalline materials using 3D-XRD and TEM. Microscopy and Microanalysis, 2012, 18, 728-729.	0.4	0
78	EBSD-Based Techniques for Characterization of Microstructural Restoration Processes during Annealing of Metals Deformed to Large Plastic Strains. Materials Science Forum, 2012, 715-716, 203-210.	0.3	3
79	EBSD Analysis of Deformed and Partially Recrystallized Microstructures in ECAE-Processed Copper. Materials Science Forum, 2012, 715-716, 825-830.	0.3	2
80	Twinning behavior of a strongly basal textured AZ31 Mg alloy during warm rolling. Acta Materialia, 2012, 60, 1986-1998.	7.9	132
81	Plastic deformation of submicron-sized crystals studied by in-situ Kikuchi diffraction and dislocation imaging. Materials Characterization, 2012, 70, 21-27.	4.4	24
82	Orientation dependence of the deformation microstructure in compressed aluminum. Scripta Materialia, 2012, 66, 359-362.	5.2	33
83	Extension twin variant selection during uniaxial compression of a magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 550, 138-145.	5.6	62
84	3D Characterization of Recrystallization Boundaries. , 2012, , 31-36.		2
85	STUDY OF TWIN BEHAVIOR DURING UNIAXIAL COMPRESSION OF AZ31 MAGNESIUM ALLOY. Jinshu Xuebao/Acta Metallurgica Sinica, 2012, 48, 357.	0.3	3
86	INFLUENCE OF ROLLING TEMPERATURE ON THE {1011}-{1012} TWINNING IN ROLLED AZ31 MAGNESIUM ALLOY SHEETS. Jinshu Xuebao/Acta Metallurgica Sinica, 2012, 48, 717.	0.3	6
87	EFFECT OF SAMPLE ORIENTATION ON STATIC RECRYSTALLIZATION OF AZ31 MAGNESIUM ALLOY. Jinshu Xuebao/Acta Metallurgica Sinica, 2012, 48, 915.	0.3	2
88	Study on dislocation slips in ferrite and deformation of cementite in cold drawn pearlitic steel wires from medium to high strain. Materials Science and Technology, 2011, 27, 562-567.	1.6	28
89	Local boundary migration during recrystallization in pure aluminium. Scripta Materialia, 2011, 64, 331-334.	5.2	49
90	Dislocations, boundaries and slip systems in cube grains of rolled aluminium. Scripta Materialia, 2011, 65, 355-358.	5.2	38

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91	Evolution of orientations and deformation structures within individual grains in cold rolled columnar grained nickel. <i>Acta Materialia</i> , 2011, 59, 5451-5461.	7.9	12
92	Microstructure and strengthening mechanisms in cold-drawn pearlitic steel wire. <i>Acta Materialia</i> , 2011, 59, 3422-3430.	7.9	275
93	High strength Al <sub>2</sub> O <sub>3</sub> p composites: Optimization of extrusion parameters. <i>Materials &amp; Design</i> , 2011, 32, 3810-3817.	5.1	23
94	Three-Dimensional Orientation Mapping in the Transmission Electron Microscope. <i>Science</i> , 2011, 332, 833-834.	12.6	114
95	Evolution of cementite morphology in pearlitic steel wire during wet wire drawing. <i>Materials Characterization</i> , 2010, 61, 65-72.	4.4	80
96	3D EBSD characterization of deformation structures in commercial purity aluminum. <i>Materials Characterization</i> , 2010, 61, 1203-1210.	4.4	31
97	Effect of magnetic field on solidification structure of a centrifugal cast high speed steel roll. <i>Materials Science and Technology</i> , 2010, 26, 1177-1183.	1.6	4
98	Microstructure and texture evolution of particle-containing AA3104 alloy cold rolled to large strains. <i>Materials Science and Technology</i> , 2010, 26, 539-546.	1.6	4
99	Investigation of boundary migration during grain growth in fully recrystallised high purity nickel. <i>Materials Science and Technology</i> , 2010, 26, 197-202.	1.6	7
100	EVOLUTIONS OF MICROSTRUCTURE AND FERRITIC MICRO-ORIENTATION AND TEXTURE IN A PEARLITIC STEEL WIRE DURING COLD DRAWING. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2010, 2010, 141-146.	0.3	15
101	Stored energy and structure in top-down processed nanostructured metals. <i>Scripta Materialia</i> , 2009, 60, 1050-1055.	5.2	23
102	Grain orientation dependence of extended planar dislocation boundaries in rolled aluminium. <i>Scripta Materialia</i> , 2009, 61, 237-240.	5.2	35
103	Annealing Behavior of Nanostructured Aluminum Produced by Cold Rolling to Ultrahigh Strains. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 204-214.	2.2	31
104	Dislocation Boundary Structure from Low to Medium Strain of Cold Rolling AA3104 Aluminum Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 1487-1497.	2.2	18
105	The Effect of Long-Time Austenization on the Wear Resistance and Thermal Fatigue Properties of a High-Speed Steel Roll. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 2171-2177.	2.2	17
106	Analysis of the growth of individual grains during recrystallization in pure nickel. <i>Acta Materialia</i> , 2009, 57, 2631-2639.	7.9	52
107	Effect of particles on microstructural evolution during cold rolling of the aluminum alloy AA3104. <i>Journal of Alloys and Compounds</i> , 2009, 482, 264-271.	5.5	49
108	Analysis of Deformation Structures in FCC Materials Using EBSD and TEM Techniques. , 2009, , 263-275.		6



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109	Thermal stability of aluminum cold rolled to large strain. <i>Journal of Materials Science</i> , 2008, 43, 6254-6259.	3.7	20
110	Stored Energy in Nickel Cold Rolled to Large Strains, Measured by Calorimetry and Evaluated from the Microstructure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008, 39, 430-440.	2.2	39
111	Microstructure of ECAE-Processed Copper after Long-Term Room-Temperature Storage. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008, 39, 2923-2930.	2.2	53
112	Microtexture evolution via deformation twinning and slip during compression of magnesium alloy AZ31. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 483-484, 576-579.	5.6	85
113	Microstructureâ€“grain orientation relationship in coarse grain nickel cold-rolled to large strain. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 483-484, 157-160.	5.6	7
114	Identification and analysis of twinning variants during compression of a Mgâ€“Alâ€“Zn alloy. <i>Scripta Materialia</i> , 2008, 58, 122-125.	5.2	105
115	High strength Al <sub>2</sub> O <sub>3</sub> /6061 Al composites: effect of particles, subgrains and precipitates. <i>Materials Science and Technology</i> , 2007, 23, 233-236.	1.6	6
116	Grain Orientation Dependence of Extended Planar Dislocation Boundaries in Cold-Rolled Polycrystalline Aluminium. <i>Key Engineering Materials</i> , 2007, 353-358, 711-714.	0.4	0
117	Nanostructured Aluminium - Recovery and Recrystallization. <i>Materials Science Forum</i> , 2007, 558-559, 201-206.	0.3	3
118	Deformation and Annealing Textures of Extruded and Cold Rolled Pure Ni Single Crystals of Cube Orientation. <i>Key Engineering Materials</i> , 2007, 353-358, 707-710.	0.4	0
119	The Influence of Pre-Annealing on Recrystallization in Heavily Cold-Rolled Nickel. <i>Key Engineering Materials</i> , 2007, 353-358, 703-706.	0.4	1
120	EBSD Analysis and Theoretical Prediction of Twin Orientations during Compression in Mg-3Al-1Zn. <i>Key Engineering Materials</i> , 2007, 353-358, 627-630.	0.4	0
121	Effect of Temperature on Microstructure and Texture during Compression of AZ31. <i>Materials Science Forum</i> , 2007, 546-549, 245-248.	0.3	3
122	Characterization of Boundary Misorientations in a Superplastic Al-Alloy Hot-Deformed by ECAE. <i>Materials Science Forum</i> , 2007, 550, 295-300.	0.3	5
123	Modeling of Cube-Texture Evolution during Grain Growth in Ni Thick-Films based on Experimental Observations. <i>Materials Science Forum</i> , 2007, 558-559, 1043-1050.	0.3	3
124	Development of the cube texture at low annealing temperatures in highly rolled pure nickel. <i>Acta Materialia</i> , 2007, 55, 3531-3540.	7.9	53
125	Microstructural-Based Measurement of Local Stored Energy Variations in Deformed Metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007, 38, 2329-2339.	2.2	37
126	Comparative microstructural characterization of a friction-stir-welded aluminum alloy using TEM and SEM-based techniques. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2006, 37, 489-496.	2.2	24



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127	Processing and interpretation of EBSD data gathered from plastically deformed metals. <i>Materials Science and Technology</i> , 2006, 22, 1263-1270.	1.6	17
128	Effects of electrical field treatment on recrystallization of copper single crystal. <i>Scripta Materialia</i> , 2005, 52, 495-499.	5.2	9
129	Deformation strain inhomogeneity in columnar grain nickel. <i>Scripta Materialia</i> , 2005, 53, 565-570.	5.2	8
130	Stored energy, microstructure, and flow stress of deformed metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005, 36, 2371-2378.	2.2	107
131	Influence of grain orientation on twinning during warm compression of wrought Mg-3Al-1Zn. <i>Materials Science and Technology</i> , 2005, 21, 1417-1422.	1.6	28
132	The Orientations of Nuclei at Triple Junctions in Deformed Columnar Grain Ni. <i>Materials Science Forum</i> , 2005, 495-497, 1309-1314.	0.3	1
133	Monte Carlo Simulation of Cube-Texture Evolution during Grain Growth of High-Purity Nickel. <i>Materials Science Forum</i> , 2005, 475-479, 3149-3152.	0.3	2
134	Effect of Orientation Noise on the Determination of Percolation Thresholds from Electron Back-Scatter Pattern Data. <i>Materials Science Forum</i> , 2005, 495-497, 231-236.	0.3	0
135	Characterization of microtexture in Bi-2223 tapes using electron back-scatter pattern orientation imaging. <i>Superconductor Science and Technology</i> , 2005, 18, 566-571.	3.5	0
136	CHOICE OF Bi2223 UNIT CELL FOR TEXTURE STUDIES USING ORIENTATION DETERMINATION IN THE SCANNING ELECTRON MICROSCOPE. <i>Modern Physics Letters B</i> , 2005, 19, 389-399.	1.9	0
137	Microstructural Parameter-Based Characterization of Annealing Behaviour in Metals Deformed to High Strains. <i>Materials Science Forum</i> , 2004, 467-470, 387-392.	0.3	0
138	Monte Carlo Modeling of Cube Texture Evolution in Ni-Tapes during Grain Growth. <i>Materials Science Forum</i> , 2004, 467-470, 1075-1080.	0.3	4
139	Subdivision of original grains during cold-rolling of interstitial-free steel. <i>Scripta Materialia</i> , 2004, 50, 879-883.	5.2	30
140	Edge preservation near triple junctions during orientation averaging of EBSD data. <i>Scripta Materialia</i> , 2004, 50, 1097-1101.	5.2	18
141	Physical parameters linking deformation microstructures over a wide range of length scale. <i>Scripta Materialia</i> , 2004, 51, 831-836.	5.2	30
142	Evolution of microstructure and local crystallographic orientations in rolled Al-1%Mn single crystals of {001} texture orientation. <i>Acta Materialia</i> , 2004, 52, 149-160.	7.9	25
143	Microstructural evolution of IF-steel during cold rolling. <i>Acta Materialia</i> , 2004, 52, 1069-1081.	7.9	193
144	Critical comparison of dislocation boundary alignment studied by TEM and EBSD: technical issues and theoretical consequences. <i>Acta Materialia</i> , 2004, 52, 4437-4446.	7.9	77

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145	Development and stability during high temperature annealing of the cube texture in rolled Ni substrate materials. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 386, 358-362.	1.2	10
146	EBSP investigation of microstructure and texture evolution during equal channel angular pressing of aluminium. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 361, 9-14.	5.6	79
147	EBSP study of the annealing behavior of aluminum deformed by equal channel angular processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 360, 420-425.	5.6	38
148	Determining dislocation cell sizes for high-strain deformation microstructures using the EBSP technique. <i>Journal of Microscopy</i> , 2003, 211, 219-229.	1.8	26
149	Annealing behavior of aluminium deformed by equal channel angular pressing. <i>Materials Letters</i> , 2003, 57, 3767-3774.	2.6	53
150	Ion-beam bombardment induced texture in nickel substrates for coated high-Tc superconductors. <i>Superconductor Science and Technology</i> , 2003, 16, L29-L31.	3.5	6
151	Local Texture Evolution during Rolling Deformation of Single Crystals of {100}<011> Orientation. <i>Materials Science Forum</i> , 2002, 408-412, 601-606.	0.3	0
152	Characterisation of Orientation Noise during EBSP Investigation of Deformed Samples. <i>Materials Science Forum</i> , 2002, 408-412, 221-226.	0.3	12
153	Microstructure and Texture Evolution during Annealing of an Aluminium ARB Material. <i>Materials Science Forum</i> , 2002, 408-412, 721-726.	0.3	6
154	Texture and Deformation Structure Evolution during Rolling of Individual Grains of Columnar Grain Nickel. <i>Materials Science Forum</i> , 2002, 408-412, 589-594.	0.3	2
155	Investigation of Macroscopic Grain Sub-Division of an IF-Steel during Cold-Rolling. <i>Materials Science Forum</i> , 2002, 408-412, 1185-1190.	0.3	7
156	Determination of boundary area and spacing in prismatic structures with applications to dislocation boundaries. <i>Materials Characterization</i> , 2002, 48, 89-99.	4.4	29
157	A large deformation atomistic study examining crystal orientation effects on the stress-strain relationship. <i>International Journal of Plasticity</i> , 2002, 18, 203-229.	8.8	64
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