

Dorte Juul Jensen

List of Publications by Year in descending order

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183
papers

5,839
citations

61984

43
h-index

85541

71
g-index

190
all docs

190
docs citations

190
times ranked

2694
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of grain orientation on deformation structure in cold-rolled polycrystalline aluminium. <i>Acta Materialia</i> , 1998, 46, 5819-5838.	7.9	450
2	Three-dimensional maps of grain boundaries and the stress state of individual grains in polycrystals and powders. <i>Journal of Applied Crystallography</i> , 2001, 34, 751-756.	4.5	320
3	Development of microstructure in FCC metals during cold work. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 1447-1469.	3.4	296
4	Watching the Growth of Bulk Grains During Recrystallization of Deformed Metals. <i>Science</i> , 2004, 305, 229-232.	12.6	234
5	Growth rates and misorientation relationships between growing nuclei/grains and the surrounding deformed matrix during recrystallization. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 4117-4129.	1.8	180
6	Microstructures and boundary populations in materials produced by equal channel angular extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 342, 320-328.	5.6	142
7	Large strain deformation structures in aluminium crystals with rolling texture orientations. <i>Acta Metallurgica Et Materialia</i> , 1994, 42, 3105-3114.	1.8	138
8	Flow stress anisotropy in aluminium. <i>Acta Metallurgica Et Materialia</i> , 1990, 38, 1369-1380.	1.8	114
9	Quantitative analysis of grain subdivision in cold rolled aluminium. <i>Acta Materialia</i> , 2001, 49, 2441-2451.	7.9	114
10	Microstructural path and temperature dependence of recrystallization in commercial aluminum. <i>Acta Materialia</i> , 2001, 49, 2083-2094.	7.9	110
11	Recrystallization kinetics of individual bulk grains in 90% cold-rolled aluminium. <i>Acta Materialia</i> , 2003, 51, 4423-4435.	7.9	104
12	Texture development during recrystallization of aluminium containing large particles. <i>Acta Metallurgica</i> , 1985, 33, 2155-2162.	2.1	98
13	Kinetics of individual grains during recrystallization. <i>Scripta Materialia</i> , 2000, 43, 561-566.	5.2	91
14	Recrystallization kinetics of warm-rolled tungsten in the temperature range 1150–1350 Å°C. <i>Journal of Nuclear Materials</i> , 2014, 455, 591-594.	2.7	89
15	Recovery and recrystallization in commercial purity aluminum cold rolled to an ultrahigh strain. <i>Acta Materialia</i> , 2013, 61, 5354-5364.	7.9	86
16	Towards an integrated materials characterization toolbox. <i>Journal of Materials Research</i> , 2011, 26, 1341-1383.	2.6	84
17	X-ray microscopy in four dimensions. <i>Materials Today</i> , 2006, 9, 18-25.	14.2	81
18	Direct observation of 3-D grain growth in Al–0.1% Mn. <i>Scripta Materialia</i> , 2008, 59, 491-494.	5.2	79

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19	Flow stress anisotropy caused by geometrically necessary boundaries. <i>Acta Metallurgica Et Materialia</i> , 1992, 40, 3265-3275.	1.8	75
20	Microstructure and local crystallography of cold rolled aluminium. <i>Acta Metallurgica Et Materialia</i> , 1995, 43, 2563-2579.	1.8	67
21	Recrystallisation of channel die deformed single crystals of typical rolling orientations. <i>Acta Materialia</i> , 2001, 49, 2429-2440.	7.9	67
22	Thermal stability of a highly-deformed warm-rolled tungsten plate in the temperature range 1100â€“1250 Å°C. <i>Fusion Engineering and Design</i> , 2015, 98-99, 1924-1928.	1.9	67
23	Fabricating interstitial-free steel with simultaneous high strength and good ductility with homogeneous layer and lamella structure. <i>Scripta Materialia</i> , 2017, 141, 111-114.	5.2	63
24	Deformed metals â€“ structure, recrystallisation and strength. <i>Materials Science and Technology</i> , 2011, 27, 1229-1240.	1.6	62
25	Enhanced strength in pure Ti via design of alternating coarse- and fine-grain layers. <i>Acta Materialia</i> , 2021, 206, 116627.	7.9	62
26	Microstructural parameters and flow stress in Alâ€“0.13% Mg deformed by ECAE processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 387-389, 235-239.	5.6	60
27	Phase-field simulation study of the migration of recrystallization boundaries. <i>Physical Review B</i> , 2013, 88, .	3.2	60
28	Non-destructive characterization of recrystallization kinetics using three-dimensional X-ray diffraction microscopy. <i>Scripta Materialia</i> , 2006, 55, 51-56.	5.2	59
29	Three-dimensional investigation of recrystallization nucleation in a particle-containing Al alloy. <i>Scripta Materialia</i> , 2012, 67, 320-323.	5.2	57
30	The effect of roll gap geometry on microstructure in cold-rolled aluminum. <i>Acta Materialia</i> , 2004, 52, 5761-5770.	7.9	56
31	Modelling flow stress anisotropy caused by deformation induced dislocation boundaries. <i>Acta Materialia</i> , 1997, 45, 2455-2465.	7.9	54
32	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
33	Recrystallization microstructure in cold-rolled aluminum composites reinforced by silicon carbide whiskers. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1989, 20, 1743-1753.	1.4	52
34	Analysis of the growth of individual grains during recrystallization in pure nickel. <i>Acta Materialia</i> , 2009, 57, 2631-2639.	7.9	52
35	Automatic determination of recrystallization parameters based on EBSD mapping. <i>Materials Characterization</i> , 2008, 59, 794-800.	4.4	51
36	Simulations of boundary migration during recrystallization using molecular dynamics. <i>Acta Materialia</i> , 2007, 55, 6383-6391.	7.9	49

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37	Local boundary migration during recrystallization in pure aluminium. Scripta Materialia, 2011, 64, 331-334.	5.2	49
38	Growth of nuclei with different crystallographic orientations during recrystallization. Scripta Metallurgica Et Materialia, 1992, 27, 533-538.	1.0	48
39	Recrystallization kinetics in copper: Comparison between techniques. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 1717-1724.	2.2	47
40	Direct non-destructive observation of bulk nucleation in 30% deformed aluminum. Scripta Materialia, 2009, 61, 875-878.	5.2	47
41	Effects of heterogeneity on recrystallization kinetics of nanocrystalline copper prepared by dynamic plastic deformation. Acta Materialia, 2014, 72, 252-261.	7.9	47
42	Orientation relationships between recrystallization nuclei at triple junctions and deformed structures. Acta Materialia, 2003, 51, 3999-4011.	7.9	46
43	Deformation and recrystallization textures in commercially pure aluminum. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1986, 17, 253-259.	1.4	45
44	Non-destructive mapping of grains in three dimensions. Scripta Materialia, 2003, 49, 1093-1096.	5.2	44
45	Oriented growth during recrystallization revisited in three dimensions. Scripta Materialia, 2014, 72-73, 9-12.	5.2	43
46	Effect of grain orientation on microstructures during hot deformation of AA 3104 aluminium alloy by plane strain compression. Acta Materialia, 2001, 49, 3347-3367.	7.9	42
47	Growth rates for different texture components during recrystallization of IF steel. Scripta Materialia, 2001, 44, 435-441.	5.2	41
48	Recrystallization in hot vs cold deformed commercial aluminum: a microstructure path comparison. Acta Materialia, 2003, 51, 3005-3018.	7.9	41
49	Modeling microstructural evolution of multiple texture components during recrystallization. Acta Metallurgica Et Materialia, 1994, 42, 2427-2436.	1.8	39
50	Orientation correlations in aluminium deformed by ECAE. Scripta Materialia, 2002, 47, 289-294.	5.2	38
51	Evolution of Microstructure and Texture during Annealing of Aluminum AA1050 Cold Rolled to High and Ultrahigh Strains. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 2936-2948.	2.2	38
52	A three-dimensional X-ray diffraction microscope for deformation studies of polycrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 319-321, 179-181.	5.6	37
53	Microstructural-Based Measurement of Local Stored Energy Variations in Deformed Metals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 2329-2339.	2.2	37
54	Modelling of microstructure development during recrystallization. Scripta Metallurgica Et Materialia, 1992, 27, 1551-1556.	1.0	36

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55	The three dimensional X-ray diffraction technique. <i>Materials Characterization</i> , 2012, 72, 1-7.	4.4	36
56	Annealing behaviour of a nanostructured Cu-45At.%Ni alloy. <i>Journal of Materials Science</i> , 2013, 48, 4183-4190.	3.7	35
57	Orientations of recrystallization nuclei developed in columnar-grained Ni at triple junctions and a high-angle grain boundary. <i>Acta Materialia</i> , 2007, 55, 4955-4964.	7.9	34
58	Recovery and recrystallization in Cold-Rolled Al-SiCu composites. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1992, 23, 807-819.	1.4	31
59	Quantifying recrystallization nucleation and growth kinetics of cold-worked copper by microstructural analysis. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1995, 26, 2227-2235.	2.2	31
60	Three-Dimensional X-Ray Diffraction Microscopy Using High-Energy X-Rays. <i>MRS Bulletin</i> , 2004, 29, 166-169.	3.5	31
61	3D EBSD characterization of deformation structures in commercial purity aluminum. <i>Materials Characterization</i> , 2010, 61, 1203-1210.	4.4	31
62	In situ measurements of growth rates and grain-averaged activation energies of individual grains during recrystallization of 50% cold-rolled aluminium. <i>Scripta Materialia</i> , 2011, 64, 1003-1006.	5.2	30
63	Automatic Recognition of Deformed and Recrystallized Regions in Partly Recrystallized Samples Using Electron Back Scattering Patterns. <i>Materials Science Forum</i> , 1994, 157-162, 149-158.	0.3	28
64	Nucleation of recrystallization observed in situ in the bulk of a deformed metal. <i>Scripta Materialia</i> , 2005, 53, 553-557.	5.2	28
65	The role of grain size and strain in work hardening and texture development. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1989, 20, 2803-2810.	1.4	26
66	In-Situ Investigation of Local Boundary Migration During Recrystallization. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 2899-2905.	2.2	26
67	Nondestructive approaches for 3-D materials characterization. <i>Jom</i> , 2006, 58, 40-44.	1.9	25
68	Application of high-energy synchrotron radiation for texture studies. <i>Journal of Applied Crystallography</i> , 2000, 33, 364-371.	4.5	24
69	Direct Observation of Grain Boundary Migration during Recrystallization within the Bulk of a Moderately Deformed Aluminium Single Crystal. <i>Materials Transactions</i> , 2014, 55, 128-136.	1.2	24
70	Direct observation of nucleation in the bulk of an opaque sample. <i>Scientific Reports</i> , 2017, 7, 42508.	3.3	23
71	Effects of distributions of growth rates on recrystallization kinetics and microstructure. <i>Scripta Materialia</i> , 2007, 57, 345-348.	5.2	22
72	Recrystallisation kinetics of aluminium AA1200 cold rolled to true strain of 2. <i>Materials Science and Technology</i> , 2005, 21, 1407-1411.	1.6	21

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73	In-situ investigation of the evolution of annealing twins in high purity aluminium. <i>Scripta Materialia</i> , 2018, 153, 68-72.	5.2	21
74	Importance of Non-uniform Boundary Migration for Recrystallization Kinetics. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 5246-5258.	2.2	21
75	Comparative characterization of Cu–Ni substrates for coated conductors. <i>Journal of Alloys and Compounds</i> , 2014, 601, 9-13.	5.5	20
76	On the estimation of cahn-hagel interface migration rates. <i>Scripta Metallurgica Et Materialia</i> , 1994, 30, 1575-1580.	1.0	19
77	Analytical expression for the evolution of interfacial area density between transformed grains during nucleation and growth transformations. <i>Scripta Materialia</i> , 2006, 54, 1509-1513.	5.2	19
78	Molecular dynamics simulations of grain boundary migration during recrystallization employing tilt and twist dislocation boundaries to provide the driving pressure. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2008, 16, 065002.	2.0	19
79	Microstructural Analysis of Orientation-Dependent Recovery and Recrystallization in a Modified 9Cr-1Mo Steel Deformed by Compression at a High Strain Rate. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 4682-4693.	2.2	19
80	Neutron and Synchrotron X-ray Studies of Recrystallization Kinetics. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008, 39, 3065-3069.	2.2	18
81	Applications of orientation mapping by scanning and transmission electron microscopy. <i>Ultramicroscopy</i> , 1997, 67, 25-34.	1.9	15
82	From 2D to 3D Microtexture Investigations. <i>Materials Science Forum</i> , 2002, 408-412, 49-66.	0.3	15
83	Particle stimulated nucleation revisited in three dimensions: a laboratory-based multimodal X-ray tomography investigation. <i>Materials Research Letters</i> , 2021, 9, 65-70.	8.7	15
84	Three-dimensional geometric simulations of random anisotropic growth during transformation phenomena. <i>Scripta Materialia</i> , 2008, 58, 279-282.	5.2	14
85	Fast Texture Measurements Using a Position Sensitive Detector. <i>Textures and Microstructures</i> , 1989, 10, 361-373.	0.2	13
86	Importance of Local Structural Variations on Recrystallization. <i>Materials Science Forum</i> , 2013, 753, 37-41.	0.3	13
87	Local residual stresses and microstructure within recrystallizing grains in iron. <i>Materials Characterization</i> , 2022, 191, 112113.	4.4	13
88	Effects of clustered nucleation on recrystallization. <i>Scripta Materialia</i> , 2009, 60, 477-480.	5.2	12
89	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
90	Supercube grains leading to a strong cube texture and a broad grain size distribution after recrystallization. <i>Philosophical Magazine</i> , 2015, 95, 2427-2449.	1.6	12

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91	Impact of 3D/4D methods on the understanding of recrystallization. <i>Current Opinion in Solid State and Materials Science</i> , 2020, 24, 100821.	11.5	12
92	Influence of geometrical alignment of the deformation microstructure on local migration of grain boundaries during recrystallization: A phase-field study. <i>Scripta Materialia</i> , 2021, 191, 116-119.	5.2	12
93	Improved grain mapping by laboratory X-ray diffraction contrast tomography. <i>IUCr</i> , 2021, 8, 559-573.	2.2	12
94	Importance of deformation-induced local orientation distributions for nucleation of recrystallisation. <i>Acta Materialia</i> , 2021, 210, 116808.	7.9	12
95	A flexible and standalone forward simulation model for laboratory X-ray diffraction contrast tomography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 652-663.	0.1	12
96	Analysis of Orientation Relations Between Deformed Grains and Recrystallization Nuclei. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1400-1408.	2.2	11
97	Optimizing laboratory X-ray diffraction contrast tomography for grain structure characterization of pure iron. <i>Journal of Applied Crystallography</i> , 2021, 54, 99-110.	4.5	11
98	Automatic determination of recrystallization parameters in metals by electron backscatter pattern line scans. <i>Materials Characterization</i> , 2003, 51, 271-282.	4.4	10
99	Towards atomic level simulations of recrystallisation "setting up suitable geometry. <i>Materials Science and Technology</i> , 2005, 21, 1373-1375.	1.6	10
100	<i>In-situ</i> measurement of annealing kinetics of individual bulk grains in nanostructured aluminium. <i>Philosophical Magazine</i> , 2012, 92, 3381-3391.	1.6	10
101	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
102	Effects of orientation correlations on misorientation distributions in cold-deformed aluminium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 234-236, 762-765.	5.6	9
103	Recrystallisation kinetics: from statics to dynamics and from 2D to 3D. <i>Materials Science and Technology</i> , 2005, 21, 1365-1372.	1.6	9
104	Crack formation within a Hadfield manganese steel crossing nose. <i>Wear</i> , 2019, 438-439, 203049.	3.1	9
105	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
106	Effects of dislocation boundary spacings and stored energy on boundary migration during recrystallization: A phase-field analysis. <i>Acta Materialia</i> , 2021, 221, 117377.	7.9	9
107	Grain Subdivision during Deformation of Polycrystalline Aluminium. <i>Materials Science Forum</i> , 1994, 157-162, 1211-1218.	0.3	8
108	Deformation strain inhomogeneity in columnar grain nickel. <i>Scripta Materialia</i> , 2005, 53, 565-570.	5.2	8

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109	Large Strain Deformation and Annealing of Aluminium. Materials Science Forum, 2006, 519-521, 79-84.	0.3	8
110	Microstructure and Texture Evolution During Cold Rolling of 316L Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4100-4111.	2.2	8
111	An experimentally-based molecular dynamics analysis of grain boundary migration during recrystallization in aluminum. Scripta Materialia, 2022, 211, 114489.	5.2	8
112	Growth kinetics of individual grains during recrystallization with an intermediate cooling cycle. Scripta Materialia, 2003, 48, 513-518.	5.2	7
113	Crystallographic Analysis of Nucleation at Hardness Indentations in High-Purity Aluminum. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 5863-5870.	2.2	7
114	Recrystallization boundary migration in the 3D heterogeneous microstructure near a hardness indent. Scripta Materialia, 2021, 205, 114187.	5.2	7
115	Effect of texture on the development of grain size distribution during normal grain growth. Scripta Materialia, 1996, 34, 1225-1230.	5.2	6
116	Effects of Nuclei Clustering on Recrystallization Kinetics. Materials Science Forum, 2004, 467-470, 193-196.	0.3	6
117	Quantitative Comparison of the Recrystallization Kinetics of Two Industrially Processed 5xxx Aluminum Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4827-4840.	2.2	6
118	Analysis of Deformation Structures in FCC Materials Using EBSD and TEM Techniques. , 2009, , 263-275.		6
119	EBSD Contra TEM Characterization of a Deformed Aluminum Single Crystal. , 2000, , 265-276.		6
120	Annealing Textures in Aluminium Deformed by Hot Plane Strain Compression. Materials Science Forum, 1994, 157-162, 1991-1996.	0.3	5
121	Texture Development in Al 3003 during Hot Plane Strain Compression. Materials Science Forum, 1994, 157-162, 745-752.	0.3	5
122	Deformation induced dislocation boundaries: Alignment and effect on mechanical properties. Computational Materials Science, 1997, 9, 251-260.	3.0	5
123	Time Evolution in 3D Metal Microstructures — Recrystallization. Materials Transactions, 2009, 50, 1655-1659.	1.2	5
124	Kinetics of Thermal Grooving during Low Temperature Recrystallization of Pure Aluminum. Materials Science Forum, 2013, 753, 117-120.	0.3	5
125	Unsupervised Deep Learning for Laboratory-Based Diffraction Contrast Tomography. Integrating Materials and Manufacturing Innovation, 2020, 9, 315-321.	2.6	5
126	Deep learning for improving non-destructive grain mapping in 3D. IUCrJ, 2021, 8, 719-731.	2.2	5

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127	Twinning during recrystallization and its correlation with the deformation microstructure. Scripta Materialia, 2022, 219, 114852.	5.2	5
128	A determination of the texture of a directionally solidified sample of high-purity copper. Journal of Materials Science, 1986, 21, 1688-1692.	3.7	4
129	TEXTURE TRANSFORMATION DURING ANNEALING. IN-SITU MEASUREMENTS AND COMPUTER MODELLING. Nondestructive Testing and Evaluation, 1990, 5, 335-347.	2.1	4
130	Kinetic texture measurements. Neutron News, 1992, 3, 20-23.	0.2	4
131	Textural and Microstructural Evolution during Cold-Rolling of Pure Nickel. Materials Science Forum, 1994, 157-162, 693-700.	0.3	4
132	Misorientation Aspects of Growth during Recrystallization. Materials Science Forum, 2007, 558-559, 85-92.	0.3	4
133	3D Spatial Distribution of Nuclei in 90% Cold Rolled Aluminium. Materials Science Forum, 2007, 558-559, 345-350.	0.3	4
134	Boundary Migration during Recrystallization of Heavily Deformed Pure Nickel. Materials Science Forum, 2012, 715-716, 329-332.	0.3	4
135	New 3DXRD Results on Recrystallization and Grain Growth. Materials Science Forum, 2012, 715-716, 393-398.	0.3	4
136	Boundary Fractal Analysis of Two Cube-oriented Grains in Partly Recrystallized Copper. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012006.	0.6	4
137	In Situ Investigation of Bulk Nucleation by X-Ray Diffraction. Materials Science Forum, 2004, 467-470, 81-86.	0.3	3
138	In-Situ Measurements of Growth of Nuclei within the Bulk of Deformed Aluminium Single Crystals. Materials Science Forum, 2004, 467-470, 189-192.	0.3	3
139	Simulation of Recrystallization Using Molecular Dynamics; Effects of the Interatomic Potential. Materials Science Forum, 2007, 558-559, 1081-1086.	0.3	3
140	Effect of Annealing Temperature on Recrystallisation in Al (AA1200) Cold Rolled to a True Strain of 4. Materials Science Forum, 2007, 558-559, 395-400.	0.3	3
141	Effects of Initial Parameters on the Development of Cube Texture during Recrystallization of Copper. Materials Science Forum, 0, 702-703, 398-401.	0.3	3
142	Evolution of microstructure and texture during recovery and recrystallization in heavily rolled aluminum. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012083.	0.6	3
143	Boundary migration during recrystallization: experimental observations. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012015.	0.6	3
144	The effect of bending and straightening on rolling texture and microstructure in brass. Scripta Metallurgica Et Materialia, 1990, 24, 2431-2435.	1.0	2

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145	Comparison of texture measurements on two phase α/β -brass obtained by X-ray and neutron diffraction. <i>Scripta Metallurgica Et Materialia</i> , 1994, 30, 25-30.	1.0	2
146	Growth Rate Distributions during Recrystallization of Copper. <i>Materials Science Forum</i> , 2004, 467-470, 197-202.	0.3	2
147	Three Dimensional Characterization of Grain Structures by EBSP and 3DXRD. <i>Materials Science Forum</i> , 2007, 558-559, 751-756.	0.3	2
148	Microstructural path model and strain dependence of recrystallisation in commercial aluminium. <i>Materials Science and Technology</i> , 2009, 25, 403-406.	1.6	2
149	Dark field X-ray microscopy for studies of recrystallization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 89, 012016.	0.6	2
150	36th RisÅ, International Symposium on Materials Science. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 89, 011001.	0.6	2
151	Kinetics of individual grains during recrystallization of cold-rolled copper. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 82, 012048.	0.6	2
152	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
153	In Situ Synchrotron X-ray Micro-Diffraction Investigation of Elastic Strains in Laminated Ti-Al Composites. <i>Metals</i> , 2021, 11, 668.	2.3	2
154	3D Characterization of Recrystallization Boundaries. , 2012, , 31-36.		2
155	Residual strain-stress in manganese steel railway crossing determined by synchrotron and laboratory X-rays. <i>Materials Science and Technology</i> , 2021, 37, 6-13.	1.6	2
156	The effect of voids on boundary migration during recrystallization in additive manufactured samples—a phase field study. <i>Scripta Materialia</i> , 2022, 214, 114675.	5.2	2
157	In-situ measurement of phase transformation kinetics using neutron diffraction. <i>Scripta Metallurgica</i> , 1988, 22, 287-291.	1.2	1
158	Modeling Microstructural Evolution of Multiple Texture Components during Recrystallization. <i>Materials Science Forum</i> , 1994, 157-162, 1887-1894.	0.3	1
159	EBSP Studies of Growth Rates during Recrystallization. <i>Materials Science Forum</i> , 1996, 204-206, 713-722.	0.3	1
160	Through-Thickness Texture Variations Determined Non-Destructively by High Energy Synchrotron Radiation. <i>Materials Science Forum</i> , 1998, 273-275, 271-276.	0.3	1
161	Special Feature of Crystalline Structure and Magnetic Properties of Grain Oriented 3% Si Steels. <i>Materials Science Forum</i> , 2001, 373-376, 737-740.	0.3	1
162	Reply to comment on “Microstructural path and temperature dependence of recrystallization in commercial aluminum”. <i>Scripta Materialia</i> , 2003, 48, 1565-1567.	5.2	1

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163	Recrystallization Kinetics in the Bulk and at the Surface. Materials Science Forum, 2004, 467-470, 147-152.	0.3	1
164	The Orientations of Nuclei at Triple Junctions in Deformed Columnar Grain Ni. Materials Science Forum, 2005, 495-497, 1309-1314.	0.3	1
165	Mapping Partially Recrystallised Structures by 3DXRD. Materials Science Forum, 2007, 558-559, 389-394.	0.3	1
166	Effects of Widening during Rolling on the Subsequent Recrystallization Kinetics of Copper. Materials Science Forum, 2013, 753, 285-288.	0.3	1
167	3D X-RAY DIFFRACTION MICROSCOPY. , 2014, , 205-253.		1
168	Effects of structural heterogeneity of nanostructured copper on the evolution of the sizes of recrystallized grains during annealing. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012033.	0.6	1
169	Nucleation at hardness indentations in cold rolled Al. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012054.	0.6	1
170	Local strain distributions in partially recrystallized copper determined by in situ tensile investigation. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012103.	0.6	1
171	Characterization of boundary roughness of two cube grains in partly recrystallized copper. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012044.	0.6	1
172	Three-Dimensional Orientation Imaging. , 2000, , 91-104.		1
173	DXRD and Its Applications Leading to New Modelling. , 2009, , 247-254.		1
174	3D Spatial Distribution of Nuclei in 90% Cold Rolled Aluminium. Materials Science Forum, 0, , 345-350.	0.3	1
175	Future Trends: Texture Analysis for Structure-Sensitive Properties. Materials Science Forum, 1998, 273-275, 29-40.	0.3	0
176	Recrystallization of AA1050 Studied by 3DXRD. Materials Science Forum, 2006, 519-521, 1569-1578.	0.3	0
177	The Influence of Strain on Annealing Behaviour of Heavily Rolled Aluminium AA1050. Materials Science Forum, 0, 715-716, 297-302.	0.3	0
178	Orientations of recrystallization nuclei developed in columnar-grained Ni at triple junctions. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012044.	0.6	0
179	In-situ observations of nucleation in Al-0.1Mg. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012051.	0.6	0
180	Metallurgical Investigation of Crossing Noses. Springer Series in Reliability Engineering, 2021, , 81-91.	0.5	0

#	ARTICLE	IF	CITATIONS
181	3D Characterization of Recrystallization Boundaries. , 0, , 31-36.		0
182	Flow Stress Anisotropy in Commercially Pure Aluminium. , 1989, , 373-378.		0
183	Axisymmetric Textures in Alumina. Textures and Microstructures, 1995, 24, 67-73.	0.2	0