

Dorte Juul Jensen

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180
papers

4,990
citations

40
h-index

66
g-index

190
ext. papers

5,367
ext. citations

3.6
avg, IF

5.62
L-index

#	Paper	IF	Citations
180	Effect of grain orientation on deformation structure in cold-rolled polycrystalline aluminium. <i>Acta Materialia</i> , 1998 , 46, 5819-5838	8.4	401
179	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	3.8	276
178	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	261
177	Watching the growth of bulk grains during recrystallization of deformed metals. <i>Science</i> , 2004 , 305, 229-323	3.3	211
176	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		165
175	Large strain deformation structures in aluminium crystals with rolling texture orientations. <i>Acta Metallurgica Et Materialia</i> , 1994 , 42, 3105-3114		133
174	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	5.3	129
173	Flow stress anisotropy in aluminium. <i>Acta Metallurgica Et Materialia</i> , 1990 , 38, 1369-1380		106
172	Quantitative analysis of grain subdivision in cold rolled aluminium. <i>Acta Materialia</i> , 2001 , 49, 2441-2451	8.4	101
171	Microstructural path and temperature dependence of recrystallization in commercial aluminum. <i>Acta Materialia</i> , 2001 , 49, 2083-2094	8.4	98
170	Recrystallization kinetics of individual bulk grains in 90% cold-rolled aluminium. <i>Acta Materialia</i> , 2003 , 51, 4423-4435	8.4	88
169	Texture development during recrystallization of aluminium containing large particles. <i>Acta Metallurgica</i> , 1985 , 33, 2155-2162		83
168	Kinetics of individual grains during recrystallization. <i>Scripta Materialia</i> , 2000 , 43, 561-566	5.6	81
167	Recovery and recrystallization in commercial purity aluminum cold rolled to an ultrahigh strain. <i>Acta Materialia</i> , 2013 , 61, 5354-5364	8.4	76
166	Towards an integrated materials characterization toolbox. <i>Journal of Materials Research</i> , 2011 , 26, 1341-1383	1.3	75
165	Direct observation of 3-D grain growth in Al-0.1% Mn. <i>Scripta Materialia</i> , 2008 , 59, 491-494	5.6	75
164	Flow stress anisotropy caused by geometrically necessary boundaries. <i>Acta Metallurgica Et Materialia</i> , 1992 , 40, 3265-3275		75

163	X-ray microscopy in four dimensions. <i>Materials Today</i> , 2006 , 9, 18-25	21.8	68
162	Recrystallization kinetics of warm-rolled tungsten in the temperature range 1150–1350 °C. <i>Journal of Nuclear Materials</i> , 2014 , 455, 591-594	3.3	67
161	Microstructure and local crystallography of cold rolled aluminium. <i>Acta Metallurgica Et Materialia</i> , 1995 , 43, 2563-2579		61
160	Recrystallisation of channel die deformed single crystals of typical rolling orientations. <i>Acta Materialia</i> , 2001 , 49, 2429-2440	8.4	60
159	Deformed metals structure, recrystallisation and strength. <i>Materials Science and Technology</i> , 2011 , 27, 1229-1240	1.5	53
158	Modelling flow stress anisotropy caused by deformation induced dislocation boundaries. <i>Acta Materialia</i> , 1997 , 45, 2455-2465	8.4	51
157	Analysis of the growth of individual grains during recrystallization in pure nickel. <i>Acta Materialia</i> , 2009 , 57, 2631-2639	8.4	50
156	Microstructural parameters and flow stress in Al-13% Mg deformed by ECAE processing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 387-389, 235-239	5.3	50
155	Non-destructive characterization of recrystallization kinetics using three-dimensional X-ray diffraction microscopy. <i>Scripta Materialia</i> , 2006 , 55, 51-56	5.6	49
154	Phase-field simulation study of the migration of recrystallization boundaries. <i>Physical Review B</i> , 2013 , 88,	3.3	48
153	The effect of roll gap geometry on microstructure in cold-rolled aluminum. <i>Acta Materialia</i> , 2004 , 52, 5761-5770	8.4	48
152	Growth of nuclei with different crystallographic orientations during recrystallization. <i>Scripta Metallurgica Et Materialia</i> , 1992 , 27, 533-538		47
151	Development of the cube texture at low annealing temperatures in highly rolled pure nickel. <i>Acta Materialia</i> , 2007 , 55, 3531-3540	8.4	46
150	Thermal stability of a highly-deformed warm-rolled tungsten plate in the temperature range 1100–1250 °C. <i>Fusion Engineering and Design</i> , 2015 , 98-99, 1924-1928	1.7	45
149	Automatic determination of recrystallization parameters based on EBSD mapping. <i>Materials Characterization</i> , 2008 , 59, 794-800	3.9	44
148	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	5.6	43
147	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		43
146	Deformation and recrystallization textures in commercially pure aluminum. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1986 , 17, 253-259		43

145	Direct non-destructive observation of bulk nucleation in 30% deformed aluminum. <i>Scripta Materialia</i> , 2009 , 61, 875-878	5.6	42
144	Simulations of boundary migration during recrystallization using molecular dynamics. <i>Acta Materialia</i> , 2007 , 55, 6383-6391	8.4	41
143	Orientation relationships between recrystallization nuclei at triple junctions and deformed structures. <i>Acta Materialia</i> , 2003 , 51, 3999-4011	8.4	41
142	Three-dimensional investigation of recrystallization nucleation in a particle-containing Al alloy. <i>Scripta Materialia</i> , 2012 , 67, 320-323	5.6	40
141	Non-destructive mapping of grains in three dimensions. <i>Scripta Materialia</i> , 2003 , 49, 1093-1096	5.6	40
140	Local boundary migration during recrystallization in pure aluminium. <i>Scripta Materialia</i> , 2011 , 64, 331-334	6	39
139	Recrystallization kinetics in copper: Comparison between techniques. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1995 , 26, 1717-1724	2.3	39
138	Effects of heterogeneity on recrystallization kinetics of nanocrystalline copper prepared by dynamic plastic deformation. <i>Acta Materialia</i> , 2014 , 72, 252-261	8.4	38
137	Recrystallization in hot vs cold deformed commercial aluminum: a microstructure path comparison. <i>Acta Materialia</i> , 2003 , 51, 3005-3018	8.4	38
136	Modeling microstructural evolution of multiple texture components during recrystallization. <i>Acta Metallurgica Et Materialia</i> , 1994 , 42, 2427-2436		38
135	Oriented growth during recrystallization revisited in three dimensions. <i>Scripta Materialia</i> , 2014 , 72-73, 9-12	5.6	37
134	Evolution of Microstructure and Texture during Annealing of Aluminum AA1050 Cold Rolled to High and Ultrahigh Strains. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 2936-2948	2.3	37
133	Effect of grain orientation on microstructures during hot deformation of AA 3104 aluminium alloy by plane strain compression. <i>Acta Materialia</i> , 2001 , 49, 3347-3367	8.4	37
132	Orientation correlations in aluminium deformed by ECAE. <i>Scripta Materialia</i> , 2002 , 47, 289-294	5.6	35
131	Growth rates for different texture components during recrystallization of IF steel. <i>Scripta Materialia</i> , 2001 , 44, 435-441	5.6	35
130	Modelling of microstructure development during recrystallization. <i>Scripta Metallurgica Et Materialia</i> , 1992 , 27, 1551-1556		35
129	Annealing behaviour of a nanostructured Cu ₄₅ at.%Ni alloy. <i>Journal of Materials Science</i> , 2013 , 48, 4183-4190	4.3	34
128	A three-dimensional X-ray diffraction microscope for deformation studies of polycrystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 319-321, 179-181	5.3	32

127	3D EBSD characterization of deformation structures in commercial purity aluminum. <i>Materials Characterization</i> , 2010 , 61, 1203-1210	3.9	30
126	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	8.4	30
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	2.3	30
124	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	5.6	29
123	Three-Dimensional X-Ray Diffraction Microscopy Using High-Energy X-Rays. <i>MRS Bulletin</i> , 2004 , 29, 166-169	3.9	29
122	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	2.3	29
121	Nucleation of recrystallization observed in situ in the bulk of a deformed metal. <i>Scripta Materialia</i> , 2005 , 53, 553-557	5.6	27
120	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		27
119	The three dimensional X-ray diffraction technique. <i>Materials Characterization</i> , 2012 , 72, 1-7	3.9	26
118	Nondestructive approaches for 3-D materials characterization. <i>Jom</i> , 2006 , 58, 40-44	2.1	25
117	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	0.4	25
116	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		24
115	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	2.3	21
114	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	1.3	20
113	Recrystallisation kinetics of aluminium AA1200 cold rolled to true strain of 2. <i>Materials Science and Technology</i> , 2005 , 21, 1407-1411	1.5	20
112	Direct observation of nucleation in the bulk of an opaque sample. <i>Scientific Reports</i> , 2017 , 7, 42508	4.9	19
111	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	19
110	Effects of distributions of growth rates on recrystallization kinetics and microstructure. <i>Scripta Materialia</i> , 2007 , 57, 345-348	5.6	19

109	Enhanced strength in pure Ti via design of alternating coarse- and fine-grain layers. <i>Acta Materialia</i> , 2021 , 206, 116627	8.4	19
108	In-situ investigation of the evolution of annealing twins in high purity aluminium. <i>Scripta Materialia</i> , 2018 , 153, 68-72	5.6	18
107	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	5.6	16
106	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	2.3	16
105	Comparative characterization of CuNi substrates for coated conductors. <i>Journal of Alloys and Compounds</i> , 2014 , 601, 9-13	5.7	15
104	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	2.3	15
103	On the estimation of cahn-hagel interface migration rates. <i>Scripta Metallurgica Et Materialia</i> , 1994 , 30, 1575-1580		15
102	Applications of orientation mapping by scanning and transmission electron microscopy. <i>Ultramicroscopy</i> , 1997 , 67, 25-34	3.1	14
101	Application of high-energy synchrotron radiation for texture studies. <i>Journal of Applied Crystallography</i> , 2000 , 33, 364-371	3.8	14
100	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	2.3	13
99	From 2D to 3D Microtexture Investigations. <i>Materials Science Forum</i> , 2002 , 408-412, 49-66	0.4	13
98	Effects of clustered nucleation on recrystallization. <i>Scripta Materialia</i> , 2009 , 60, 477-480	5.6	12
97	Importance of Local Structural Variations on Recrystallization. <i>Materials Science Forum</i> , 2013 , 753, 37-41	0.4	11
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	2.3	11
95	Three-dimensional geometric simulations of random anisotropic growth during transformation phenomena. <i>Scripta Materialia</i> , 2008 , 58, 279-282	5.6	11
94	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	10
93	In-situ measurement of annealing kinetics of individual bulk grains in nanostructured aluminium. <i>Philosophical Magazine</i> , 2012 , 92, 3381-3391	1.6	10
92	Towards atomic level simulations of recrystallisation setting up suitable geometry. <i>Materials Science and Technology</i> , 2005 , 21, 1373-1375	1.5	10

91	Fast Texture Measurements Using a Position Sensitive Detector. <i>Textures and Microstructures</i> , 1989 , 10, 361-373		10
90	Evolution of orientations and deformation structures within individual grains in cold rolled columnar grained nickel. <i>Acta Materialia</i> , 2011 , 59, 5451-5461	8.4	9
89	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	5.3	9
88	Automatic determination of recrystallization parameters in metals by electron backscatter pattern line scans. <i>Materials Characterization</i> , 2003 , 51, 271-282	3.9	9
87	A phase-field simulation study of irregular grain boundary migration during recrystallization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 89, 012037	0.4	8
86	Large Strain Deformation and Annealing of Aluminium. <i>Materials Science Forum</i> , 2006 , 519-521, 79-84	0.4	8
85	Recrystallisation kinetics: from statics to dynamics and from 2D to 3D. <i>Materials Science and Technology</i> , 2005 , 21, 1365-1372	1.5	8
84	Growth kinetics of individual grains during recrystallization with an intermediate cooling cycle. <i>Scripta Materialia</i> , 2003 , 48, 513-518	5.6	7
83	Deformation strain inhomogeneity in columnar grain nickel. <i>Scripta Materialia</i> , 2005 , 53, 565-570	5.6	7
82	Grain Subdivision during Deformation of Polycrystalline Aluminium. <i>Materials Science Forum</i> , 1994 , 157-162, 1211-1218	0.4	7
81	Crack formation within a Hadfield manganese steel crossing nose. <i>Wear</i> , 2019 , 438-439, 203049	3.5	6
80	Impact of 3D/4D methods on the understanding of recrystallization. <i>Current Opinion in Solid State and Materials Science</i> , 2020 , 24, 100821	12	6
79	Effects of Nuclei Clustering on Recrystallization Kinetics. <i>Materials Science Forum</i> , 2004 , 467-470, 193-196	6.4	6
78	Crystallographic Analysis of Nucleation at Hardness Indentations in High-Purity Aluminum. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 5863-5870	2.3	6
77	Surface patterning for combined digital image correlation and electron backscatter diffraction in-situ deformation experiments. <i>Materials Characterization</i> , 2020 , 164, 110332	3.9	5
76	Kinetics of Thermal Grooving during Low Temperature Recrystallization of Pure Aluminum. <i>Materials Science Forum</i> , 2013 , 753, 117-120	0.4	5
75	Time Evolution in 3D Metal Microstructures — Recrystallization. <i>Materials Transactions</i> , 2009 , 50, 1655-1659	1.3	5
74	Deformation induced dislocation boundaries: Alignment and effect on mechanical properties. <i>Computational Materials Science</i> , 1997 , 9, 251-260	3.2	5

73	Effect of texture on the development of grain size distribution during normal grain growth. <i>Scripta Materialia</i> , 1996 , 34, 1225-1230	5.6	5
72	Texture Development in Al 3003 during Hot Plane Strain Compression. <i>Materials Science Forum</i> , 1994 , 157-162, 745-752	0.4	5
71	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	1.7	5
70	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	5.6	5
69	Particle stimulated nucleation revisited in three dimensions: a laboratory-based multimodal X-ray tomography investigation. <i>Materials Research Letters</i> , 2021 , 9, 65-70	7.4	5
68	Analysis of Deformation Structures in FCC Materials Using EBSD and TEM Techniques 2009 , 263-275		5
67	Boundary Fractal Analysis of Two Cube-oriented Grains in Partly Recrystallized Copper. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 82, 012006	0.4	4
66	Boundary Migration during Recrystallization of Heavily Deformed Pure Nickel. <i>Materials Science Forum</i> , 2012 , 715-716, 329-332	0.4	4
65	New 3DXRD Results on Recrystallization and Grain Growth. <i>Materials Science Forum</i> , 2012 , 715-716, 393-398	0.4	4
64	Misorientation Aspects of Growth during Recrystallization. <i>Materials Science Forum</i> , 2007 , 558-559, 85-90	0.4	4
63	3D Spatial Distribution of Nuclei in 90% Cold Rolled Aluminium. <i>Materials Science Forum</i> , 2007 , 558-559, 345-350	0.4	4
62	Textural and Microstructural Evolution during Cold-Rolling of Pure Nickel. <i>Materials Science Forum</i> , 1994 , 157-162, 693-700	0.4	4
61	Annealing Textures in Aluminium Deformed by Hot Plane Strain Compression. <i>Materials Science Forum</i> , 1994 , 157-162, 1991-1996	0.4	4
60	TEXTURE TRANSFORMATION DURING ANNEALING. IN-SITU MEASUREMENTS AND COMPUTER MODELLING. <i>Nondestructive Testing and Evaluation</i> , 1990 , 5, 335-347	2	4
59	A determination of the texture of a directionally solidified sample of high-purity copper. <i>Journal of Materials Science</i> , 1986 , 21, 1688-1692	4.3	4
58	Importance of deformation-induced local orientation distributions for nucleation of recrystallisation. <i>Acta Materialia</i> , 2021 , 210, 116808	8.4	4
57	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	0.4	3
56	Boundary migration during recrystallization: experimental observations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 89, 012015	0.4	3

55	Effects of Initial Parameters on the Development of Cube Texture during Recrystallization of Copper. <i>Materials Science Forum</i> , 2011 , 702-703, 398-401	0.4	3
54	Simulation of Recrystallization Using Molecular Dynamics; Effects of the Interatomic Potential. <i>Materials Science Forum</i> , 2007 , 558-559, 1081-1086	0.4	3
53	Effect of Annealing Temperature on Recrystallisation in Al (AA1200) Cold Rolled to a True Strain of 4. <i>Materials Science Forum</i> , 2007 , 558-559, 395-400	0.4	3
52	In Situ Investigation of Bulk Nucleation by X-Ray Diffraction. <i>Materials Science Forum</i> , 2004 , 467-470, 81-86	0.4	3
51	In-Situ Measurements of Growth of Nuclei within the Bulk of Deformed Aluminium Single Crystals. <i>Materials Science Forum</i> , 2004 , 467-470, 189-192	0.4	3
50	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	2.3	3
49	Optimizing laboratory X-ray diffraction contrast tomography for grain structure characterization of pure iron. <i>Journal of Applied Crystallography</i> , 2021 , 54, 99-110	3.8	3
48	EBSDF Contra TEM Characterization of a Deformed Aluminum Single Crystal 2000 , 265-276		3
47	Dark field X-ray microscopy for studies of recrystallization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 89, 012016	0.4	2
46	Microstructural path model and strain dependence of recrystallisation in commercial aluminium. <i>Materials Science and Technology</i> , 2009 , 25, 403-406	1.5	2
45	Three Dimensional Characterization of Grain Structures by EBSP and 3DXRD. <i>Materials Science Forum</i> , 2007 , 558-559, 751-756	0.4	2
44	Growth Rate Distributions during Recrystallization of Copper. <i>Materials Science Forum</i> , 2004 , 467-470, 197-202	0.4	2
43	Kinetic texture measurements. <i>Neutron News</i> , 1992 , 3, 20-23	0.4	2
42	The effect of bending and straightening on rolling texture and microstructure in brass. <i>Scripta Metallurgica Et Materialia</i> , 1990 , 24, 2431-2435		2
41	Unsupervised Deep Learning for Laboratory-Based Diffraction Contrast Tomography. <i>Integrating Materials and Manufacturing Innovation</i> , 2020 , 9, 315-321	2.9	2
40	Improved grain mapping by laboratory X-ray diffraction contrast tomography. <i>IUCrJ</i> , 2021 , 8, 559-573	4.7	2
39	Recrystallization boundary migration in the 3D heterogeneous microstructure near a hardness indent. <i>Scripta Materialia</i> , 2021 , 205, 114187	5.6	2
38	4D Characterization of Metal Microstructures 367-385		2

37	Alignment of sample position and rotation during in situ synchrotron X-ray micro-diffraction experiments using a Laue cross-correlation approach. <i>Journal of Applied Crystallography</i> , 2019 , 52, 1119-1127	3.8	1
36	Local strain distributions in partially recrystallized copper determined by in situ tensile investigation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 82, 012103	0.4	1
35	Characterization of boundary roughness of two cube grains in partly recrystallized copper. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 89, 012044	0.4	1
34	3D X-RAY DIFFRACTION MICROSCOPY 2014 , 205-253		1
33	Mapping Partially Recrystallised Structures by 3DXRD. <i>Materials Science Forum</i> , 2007 , 558-559, 389-394	0.4	1
32	Recrystallization Kinetics in the Bulk and at the Surface. <i>Materials Science Forum</i> , 2004 , 467-470, 147-152	0.4	1
31	The Orientations of Nuclei at Triple Junctions in Deformed Columnar Grain Ni. <i>Materials Science Forum</i> , 2005 , 495-497, 1309-1314	0.4	1
30	Special Feature of Crystalline Structure and Magnetic Properties of Grain Oriented 3% Si Steels. <i>Materials Science Forum</i> , 2001 , 373-376, 737-740	0.4	1
29	Through-Thickness Texture Variations Determined Non-Destructively by High Energy Synchrotron Radiation. <i>Materials Science Forum</i> , 1998 , 273-275, 271-276	0.4	1
28	EBSF Studies of Growth Rates during Recrystallization. <i>Materials Science Forum</i> , 1996 , 204-206, 713-722	0.4	1
27	Modeling Microstructural Evolution of Multiple Texture Components during Recrystallization. <i>Materials Science Forum</i> , 1994 , 157-162, 1887-1894	0.4	1
26	Comparison of texture measurements on two phase brass obtained by X-ray and neutron diffraction. <i>Scripta Metallurgica Et Materialia</i> , 1994 , 30, 25-30		1
25	In-situ measurement of phase transformation kinetics using neutron diffraction. <i>Scripta Metallurgica</i> , 1988 , 22, 287-291		1
24	Effects of dislocation boundary spacings and stored energy on boundary migration during recrystallization: A phase-field analysis. <i>Acta Materialia</i> , 2021 , 221, 117377	8.4	1
23	DXRD and Its Applications Leading to New Modelling 2009 , 247-254		1
22	3D Characterization of Recrystallization Boundaries 2012 , 31-36		1
21	Quantitative Comparison of the Recrystallization Kinetics of Two Industrially Processed 5xxx Aluminum Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 4827	2.3	1
20	Three-Dimensional Orientation Imaging 2000 , 91-104		1

19	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	0.4	o
18	An experimentally-based molecular dynamics analysis of grain boundary migration during recrystallization in aluminum. <i>Scripta Materialia</i> , 2022 , 211, 114489	5.6	o
17	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	1.5	o
16	Deep learning for improving non-destructive grain mapping in 3D. <i>IUCrJ</i> , 2021 , 8, 719-731	4.7	o
15	The effect of voids on boundary migration during recrystallization in additive manufactured samples: a phase field study. <i>Scripta Materialia</i> , 2022 , 214, 114675	5.6	o
14	Orientations of recrystallization nuclei developed in columnar-grained Ni at triple junctions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 82, 012044	0.4	
13	Nucleation at hardness indentations in cold rolled Al. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 89, 012054	0.4	
12	In-situ observations of nucleation in Al-0.1Mg. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 89, 012051	0.4	
11	Effects of Widening during Rolling on the Subsequent Recrystallization Kinetics of Copper. <i>Materials Science Forum</i> , 2013 , 753, 285-288	0.4	
10	Advancement in Characterization and Modeling of Boundary Migration during Recrystallization 2011 , 19-26		
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