Dorte Juul Jensen

List of Publications by Year
in descending order

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183	5,839	71004	97045
papers	citations	43 h-index	71 g-index

190	190	190	2955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of grain orientation on deformation structure in cold-rolled polycrystalline aluminium. Acta Materialia, 1998, 46, 5819-5838.	3.8	450
2	Three-dimensional maps of grain boundaries and the stress state of individual grains in polycrystals and powders. Journal of Applied Crystallography, 2001, 34, 751-756.	1.9	320
3	Development of microstructure in FCC metals during cold work. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1999, 357, 1447-1469.	1.6	296
4	Watching the Growth of Bulk Grains During Recrystallization of Deformed Metals. Science, 2004, 305, 229-232.	6.0	234
5	Growth rates and misorientation relationships between growing nuclei/grains and the surrounding deformed matrix during recrystallization. Acta Metallurgica Et Materialia, 1995, 43, 4117-4129.	1.9	180
6	Microstructures and boundary populations in materials produced by equal channel angular extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 342, 320-328.	2.6	142
7	Large strain deformation structures in aluminium crystals with rolling texture orientations. Acta Metallurgica Et Materialia, 1994, 42, 3105-3114.	1.9	138
8	Flow stress anisotropy in aluminium. Acta Metallurgica Et Materialia, 1990, 38, 1369-1380.	1.9	114
9	Quantitative analysis of grain subdivision in cold rolled aluminium. Acta Materialia, 2001, 49, 2441-2451.	3.8	114
10	Microstructural path and temperature dependence of recrystallization in commercial aluminum. Acta Materialia, 2001, 49, 2083-2094.	3.8	110
11	Recrystallization kinetics of individual bulk grains in 90% cold-rolled aluminium. Acta Materialia, 2003, 51, 4423-4435.	3.8	104
12	Texture development during recrystallization of aluminium containing large particles. Acta Metallurgica, 1985, 33, 2155-2162.	2.1	98
13	Kinetics of individual grains during recrystallization. Scripta Materialia, 2000, 43, 561-566.	2.6	91
14	Recrystallization kinetics of warm-rolled tungsten in the temperature range 1150â€“1350 Â°C. Journal of Nuclear Materials, 2014, 455, 591-594.	1.3	89
15	Recovery and recrystallization in commercial purity aluminum cold rolled to an ultrahigh strain. Acta Materialia, 2013, 61, 5354-5364.	3.8	86
16	Towards an integrated materials characterization toolbox. Journal of Materials Research, 2011, 26, 1341-1383.	1.2	84
17	X-ray microscopy in four dimensions. Materials Today, 2006, 9, 18-25.	8.3	81
18	Direct observation of 3-D grain growth in Alâ€“0.1% Mn. Scripta Materialia, 2008, 59, 491-494.	2.6	79

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19	Flow stress anisotropy caused by geometrically necessary boundaries. Acta Metallurgica Et Materialia, 1992, 40, 3265-3275.	1.9	75
20	Microstructure and local crystallography of cold rolled aluminium. Acta Metallurgica Et Materialia, 1995, 43, 2563-2579.	1.9	67
21	Recrystallisation of channel die deformed single crystals of typical rolling orientations. Acta Materialia, 2001, 49, 2429-2440.	3.8	67
22	Thermal stability of a highly-deformed warm-rolled tungsten plate in the temperature range 1100â€“1250 Â°C. Fusion Engineering and Design, 2015, 98-99, 1924-1928.	1.0	67
23	Fabricating interstitial-free steel with simultaneous high strength and good ductility with homogeneous layer and lamella structure. Scripta Materialia, 2017, 141, 111-114.	2.6	63
24	Deformed metals â€“ structure, recrystallisation and strength. Materials Science and Technology, 2011, 27, 1229-1240.	0.8	62
25	Enhanced strength in pure Ti via design of alternating coarse- and fine-grain layers. Acta Materialia, 2021, 206, 116627.	3.8	62
26	Microstructural parameters and flow stress in Alâ€“0.13% Mg deformed by ECAE processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 235-239.	2.6	60
27	Phase-field simulation study of the migration of recrystallization boundaries. Physical Review B, 2013, 88, .	1.1	60
28	Non-destructive characterization of recrystallization kinetics using three-dimensional X-ray diffraction microscopy. Scripta Materialia, 2006, 55, 51-56.	2.6	59
29	Three-dimensional investigation of recrystallization nucleation in a particle-containing Al alloy. Scripta Materialia, 2012, 67, 320-323.	2.6	57
30	The effect of roll gap geometry on microstructure in cold-rolled aluminum. Acta Materialia, 2004, 52, 5761-5770.	3.8	56
31	Modelling flow stress anisotropy caused by deformation induced dislocation boundaries. Acta Materialia, 1997, 45, 2455-2465.	3.8	54
32	Development of the cube texture at low annealing temperatures in highly rolled pure nickel. Acta Materialia, 2007, 55, 3531-3540.	3.8	53
33	Recrystallization microstructure in cold-rolled aluminum composites reinforced by silicon carbide whiskers. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1989, 20, 1743-1753.	1.4	52
34	Analysis of the growth of individual grains during recrystallization in pure nickel. Acta Materialia, 2009, 57, 2631-2639.	3.8	52
35	Automatic determination of recrystallization parameters based on EBSD mapping. Materials Characterization, 2008, 59, 794-800.	1.9	51
36	Simulations of boundary migration during recrystallization using molecular dynamics. Acta Materialia, 2007, 55, 6383-6391.	3.8	49

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37	Local boundary migration during recrystallization in pure aluminium. Scripta Materialia, 2011, 64, 331-334.	2.6	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.	1.1	47
40	Direct non-destructive observation of bulk nucleation in 30% deformed aluminum. Scripta Materialia, 2009, 61, 875-878.	2.6	47
41	Effects of heterogeneity on recrystallization kinetics of nanocrystalline copper prepared by dynamic plastic deformation. Acta Materialia, 2014, 72, 252-261.	3.8	47
42	Orientation relationships between recrystallization nuclei at triple junctions and deformed structures. Acta Materialia, 2003, 51, 3999-4011.	3.8	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.	2.6	44
45	Oriented growth during recrystallization revisited in three dimensions. Scripta Materialia, 2014, 72-73, 9-12.	2.6	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.	3.8	42
47	Growth rates for different texture components during recrystallization of IF steel. Scripta Materialia, 2001, 44, 435-441.	2.6	41
48	Recrystallization in hot vs cold deformed commercial aluminum: a microstructure path comparison. Acta Materialia, 2003, 51, 3005-3018.	3.8	41
49	Modeling microstructural evolution of multiple texture components during recrystallization. Acta Metallurgica Et Materialia, 1994, 42, 2427-2436.	1.9	39
50	Orientation correlations in aluminium deformed by ECAE. Scripta Materialia, 2002, 47, 289-294.	2.6	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.	1.1	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.	2.6	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.	1.1	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. Materials Characterization, 2012, 72, 1-7.	1.9	36
56	Annealing behaviour of a nanostructured Cuâ€“45Âat.%Ni alloy. Journal of Materials Science, 2013, 48, 4183-4190.	1.7	35
57	Orientations of recrystallization nuclei developed in columnar-grained Ni at triple junctions and a high-angle grain boundary. Acta Materialia, 2007, 55, 4955-4964.	3.8	34
58	Recovery and recrystallization in Cold-Rolled Al-SiCw composites. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 807-819.	1.4	31
59	Quantifying recrystallization nucleation and growth kinetics of cold-worked copper by microstructural analysis. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 2227-2235.	1.1	31
60	Three-Dimensional X-Ray Diffraction Microscopy Using High-Energy X-Rays. MRS Bulletin, 2004, 29, 166-169.	1.7	31
61	3D EBSD characterization of deformation structures in commercial purity aluminum. Materials Characterization, 2010, 61, 1203-1210.	1.9	31
62	In situ measurements of growth rates and grain-averaged activation energies of individual grains during recrystallization of 50% cold-rolled aluminium. Scripta Materialia, 2011, 64, 1003-1006.	2.6	30
63	Automatic Recognition of Deformed and Recrystallized Regions in Partly Recrystallized Samples Using Electron Back Scattering Patterns. Materials Science Forum, 1994, 157-162, 149-158.	0.3	28
64	Nucleation of recrystallization observed in situ in the bulk of a deformed metal. Scripta Materialia, 2005, 53, 553-557.	2.6	28
65	The role of grain size and strain in work hardening and texture development. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1989, 20, 2803-2810.	1.4	26
66	In-Situ Investigation of Local Boundary Migration During Recrystallization. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2899-2905.	1.1	26
67	Nondestructive approaches for 3-D materials characterization. Jom, 2006, 58, 40-44.	0.9	25
68	Application of high-energy synchrotron radiation for texture studies. Journal of Applied Crystallography, 2000, 33, 364-371.	1.9	24
69	Direct Observation of Grain Boundary Migration during Recrystallization within the Bulk of a Moderately Deformed Aluminium Single Crystal. Materials Transactions, 2014, 55, 128-136.	0.4	24
70	Direct observation of nucleation in the bulk of an opaque sample. Scientific Reports, 2017, 7, 42508.	1.6	23
71	Effects of distributions of growth rates on recrystallization kinetics and microstructure. Scripta Materialia, 2007, 57, 345-348.	2.6	22
72	Recrystallisation kinetics of aluminium AA1200 cold rolled to true strain of 2. Materials Science and Technology, 2005, 21, 1407-1411.	0.8	21

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73	In-situ investigation of the evolution of annealing twins in high purity aluminium. Scripta Materialia, 2018, 153, 68-72.	2.6	21
74	Importance of Non-uniform Boundary Migration for Recrystallization Kinetics. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 5246-5258.	1.1	21
75	Comparative characterization of Cuâ€“Ni substrates for coated conductors. Journal of Alloys and Compounds, 2014, 601, 9-13.	2.8	20
76	On the estimation of cahn-hagel interface migration rates. Scripta Metallurgica Et Materialia, 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. Scripta Materialia, 2006, 54, 1509-1513.	2.6	19
78	Molecular dynamics simulations of grain boundary migration during recrystallization employing tilt and twist dislocation boundaries to provide the driving pressure. Modelling and Simulation in Materials Science and Engineering, 2008, 16, 065002.	0.8	19
79	Microstructural Analysis of Orientation-Dependent Recovery and Recrystallization in a Modified 9Cr-1Mo Steel Deformed by Compression at a High Strain Rate. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4682-4693.	1.1	19
80	Neutron and Synchrotron X-ray Studies of Recrystallization Kinetics. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 3065-3069.	1.1	18
81	Applications of orientation mapping by scanning and transmission electron microscopy. Ultramicroscopy, 1997, 67, 25-34.	0.8	15
82	From 2D to 3D Microtexture Investigations. Materials Science Forum, 2002, 408-412, 49-66.	0.3	15
83	Particle stimulated nucleation revisited in three dimensions: a laboratory-based multimodal X-ray tomography investigation. Materials Research Letters, 2021, 9, 65-70.	4.1	15
84	Three-dimensional geometric simulations of random anisotropic growth during transformation phenomena. Scripta Materialia, 2008, 58, 279-282.	2.6	14
85	Fast Texture Measurements Using a Position Sensitive Detector. Textures and Microstructures, 1989, 10, 361-373.	0.2	13
86	Importance of Local Structural Variations on Recrystallization. Materials Science Forum, 2013, 753, 37-41.	0.3	13
87	Local residual stresses and microstructure within recrystallizing grains in iron. Materials Characterization, 2022, 191, 112113.	1.9	13
88	Effects of clustered nucleation on recrystallization. Scripta Materialia, 2009, 60, 477-480.	2.6	12
89	Evolution of orientations and deformation structures within individual grains in cold rolled columnar grained nickel. Acta Materialia, 2011, 59, 5451-5461.	3.8	12
90	Supercube grains leading to a strong cube texture and a broad grain size distribution after recrystallization. Philosophical Magazine, 2015, 95, 2427-2449.	0.7	12

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91	Impact of 3D/4D methods on the understanding of recrystallization. Current Opinion in Solid State and Materials Science, 2020, 24, 100821.	5.6	12
92	Influence of geometrical alignment of the deformation microstructure on local migration of grain boundaries during recrystallization: A phase-field study. Scripta Materialia, 2021, 191, 116-119.	2.6	12
93	Improved grain mapping by laboratory X-ray diffraction contrast tomography. IUCrJ, 2021, 8, 559-573.	1.0	12
94	Importance of deformation-induced local orientation distributions for nucleation of recrystallisation. Acta Materialia, 2021, 210, 116808.	3.8	12
95	A flexible and standalone forward simulation model for laboratory X-ray diffraction contrast tomography. Acta Crystallographica Section A: Foundations and Advances, 2020, 76, 652-663.	0.0	12
96	Analysis of Orientation Relations Between Deformed Grains and Recrystallization Nuclei. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1400-1408.	1.1	11
97	Optimizing laboratory X-ray diffraction contrast tomography for grain structure characterization of pure iron. Journal of Applied Crystallography, 2021, 54, 99-110.	1.9	11
98	Automatic determination of recrystallization parameters in metals by electron backscatter pattern line scans. Materials Characterization, 2003, 51, 271-282.	1.9	10
99	Towards atomic level simulations of recrystallisation â€“ setting up suitable geometry. Materials Science and Technology, 2005, 21, 1373-1375.	0.8	10
100	In-situmeasurement of annealing kinetics of individual bulk grains in nanostructured aluminium. Philosophical Magazine, 2012, 92, 3381-3391.	0.7	10
101	A phase-field simulation study of irregular grain boundary migration during recrystallization. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012037.	0.3	10
102	Effects of orientation correlations on misorientation distributions in cold-deformed aluminium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 234-236, 762-765.	2.6	9
103	Recrystallisation kinetics: from statics to dynamics and from 2D to 3D. Materials Science and Technology, 2005, 21, 1365-1372.	0.8	9
104	Crack formation within a Hadfield manganese steel crossing nose. Wear, 2019, 438-439, 203049.	1.5	9
105	Surface patterning for combined digital image correlation and electron backscatter diffraction in-situ deformation experiments. Materials Characterization, 2020, 164, 110332.	1.9	9
106	Effects of dislocation boundary spacings and stored energy on boundary migration during recrystallization: A phase-field analysis. Acta Materialia, 2021, 221, 117377.	3.8	9
107	Grain Subdivision during Deformation of Polycrystalline Aluminium. Materials Science Forum, 1994, 157-162, 1211-1218.	0.3	8
108	Deformation strain inhomogeneity in columnar grain nickel. Scripta Materialia, 2005, 53, 565-570.	2.6	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.	1.1	8
111	An experimentally-based molecular dynamics analysis of grain boundary migration during recrystallization in aluminum. Scripta Materialia, 2022, 211, 114489.	2.6	8
112	Growth kinetics of individual grains during recrystallization with an intermediate cooling cycle. Scripta Materialia, 2003, 48, 513-518.	2.6	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.	1.1	7
114	Recrystallization boundary migration in the 3D heterogeneous microstructure near a hardness indent. Scripta Materialia, 2021, 205, 114187.	2.6	7
115	Effect of texture on the development of grain size distribution during normal grain growth. Scripta Materialia, 1996, 34, 1225-1230.	2.6	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.	1.1	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.	1.4	5
123	Time Evolution in 3D Metal Microstructures — Recrystallization. Materials Transactions, 2009, 50, 1655-1659.	0.4	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.	1.2	5
126	Deep learning for improving non-destructive grain mapping in 3D. IUCrJ, 2021, 8, 719-731.	1.0	5

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127	Twinning during recrystallization and its correlation with the deformation microstructure. Scripta Materialia, 2022, 219, 114852.	2.6	5
128	A determination of the texture of a directionally solidified sample of high-purity copper. Journal of Materials Science, 1986, 21, 1688-1692.	1.7	4
129	TEXTURE TRANSFORMATION DURING ANNEALING. IN-SITU MEASUREMENTS AND COMPUTER MODELLING. Nondestructive Testing and Evaluation, 1990, 5, 335-347.	1.1	4
130	Kinetic texture measurements. Neutron News, 1992, 3, 20-23.	0.1	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.	0.3	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.	0.3	3
143	Boundary migration during recrystallization: experimental observations. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012015.	0.3	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 Î±/Î²-brass obtained by X-ray and neutron diffraction. Scripta Metallurgica Et Materialia, 1994, 30, 25-30.	1.0	2
146	Growth Rate Distributions during Recrystallization of Copper. Materials Science Forum, 2004, 467-470, 197-202.	0.3	2
147	Three Dimensional Characterization of Grain Structures by EBSP and 3DXRD. Materials Science Forum, 2007, 558-559, 751-756.	0.3	2
148	Microstructural path model and strain dependence of recrystallisation in commercial aluminium. Materials Science and Technology, 2009, 25, 403-406.	0.8	2
149	Dark field X-ray microscopy for studies of recrystallization. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012016.	0.3	2
150	36th RisÃ¸ International Symposium on Materials Science. IOP Conference Series: Materials Science and Engineering, 2015, 89, 011001.	0.3	2
151	Kinetics of individual grains during recrystallization of cold-rolled copper. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012048.	0.3	2
152	Alignment of sample position and rotation during in situ synchrotron X-ray micro-diffraction experiments using a Laue cross-correlation approach. Journal of Applied Crystallography, 2019, 52, 1119-1127.	1.9	2
153	In Situ Synchrotron X-ray Micro-Diffraction Investigation of Elastic Strains in Laminated Ti-Al Composites. Metals, 2021, 11, 668.	1.0	2
154	3D Characterization of Recrystallization Boundaries. , 2012, , 31-36.		2
155	Residual strainâ€“stress in manganese steel railway crossing determined by synchrotron and laboratory X-rays. Materials Science and Technology, 2021, 37, 6-13.	0.8	2
156	The effect of voids on boundary migration during recrystallization in additive manufactured samplesâ€”a phase field study. Scripta Materialia, 2022, 214, 114675.	2.6	2
157	In-situ measurement of phase transformation kinetics using neutron diffraction. Scripta Metallurgica, 1988, 22, 287-291.	1.2	1
158	Modeling Microstructural Evolution of Multiple Texture Components during Recrystallization. Materials Science Forum, 1994, 157-162, 1887-1894.	0.3	1
159	EBSP Studies of Growth Rates during Recrystallization. Materials Science Forum, 1996, 204-206, 713-722.	0.3	1
160	Through-Thickness Texture Variations Determined Non-Destructively by High Energy Synchrotron Radiation. Materials Science Forum, 1998, 273-275, 271-276.	0.3	1
161	Special Feature of Crystalline Structure and Magnetic Properties of Grain Oriented 3% Si Steels. Materials Science Forum, 2001, 373-376, 737-740.	0.3	1
162	Reply to comment on â€œMicrostructural path and temperature dependence of recrystallization in commercial aluminumâ€• Scripta Materialia, 2003, 48, 1565-1567.	2.6	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.	0.3	1
169	Nucleation at hardness indentations in cold rolled Al. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012054.	0.3	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.	0.3	1
171	Characterization of boundary roughness of two cube grains in partly recrystallized copper. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012044.	0.3	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.	0.3	0
179	In-situ observations of nucleation in Al-0.1Mg. IOP Conference Series: Materials Science and Engineering, 2015, 89, 012051.	0.3	0
180	Metallurgical Investigation of Crossing Noses. Springer Series in Reliability Engineering, 2021, , 81-91.	0.3	0

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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