Thierry Baudin

List of Publications by Year in descending order

288 papers	5,470 citations	87723 38 h-index	118652 62 g-index
295 all docs	295 docs citations	295 times ranked	4115 citing authors

#	Article	IF	Citations
1	Subduction and obduction processes in the Swiss Alps. Tectonophysics, 1998, 296, 159-204.	0.9	299
2	Texture control of 316L parts by modulation of the melt pool morphology in selective laser melting. Journal of Materials Processing Technology, 2019, 264, 21-31.	3.1	258
3	Intermetallic compounds in Al 6016/IF-steel friction stir spot welds. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4505-4509.	2.6	214
4	Ultrafine grains and the Hallâ€“Petch relationship in an Alâ€“Mgâ€“Si alloy processed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 532, 139-145.	2.6	141
5	Microstructural evolution in an Al-6061 alloy processed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4864-4869.	2.6	119
6	On the role of crystallographic texture in mitigating hydrogen-induced cracking in pipeline steels. Corrosion Science, 2011, 53, 4204-4212.	3.0	116
7	Recrystallization mechanisms in 5251 H14 and 5251 O aluminum friction stir welds. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 445-446, 94-99.	2.6	99
8	Measurement of stored energy in Feâ€“48%Ni alloys strongly cold-rolled using three approaches: Neutron diffraction, Dillamore and KAM approaches. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 614, 193-198.	2.6	99
9	Simulation of normal grain growth by cellular automata. Scripta Materialia, 1996, 34, 1679-1683.	2.6	96
10	A study on the formation mechanisms of the cube recrystallization texture in cold rolled Feâ€“36%Ni alloys. Acta Materialia, 2001, 49, 1105-1122.	3.8	93
11	Influence of FSSW parameters on fracture mechanisms of 5182 aluminium welds. Journal of Materials Processing Technology, 2010, 210, 1429-1435.	3.1	92
12	U-Pb zircon (ID-TIMS and SHRIMP) evidence for the early ordovician intrusion of metagranites in the late Proterozoic Canaveilles Group of the Pyrenees and the Montagne Noire (France). Bulletin - Societie Geologique De France, 2005, 176, 269-282.	0.9	91
13	Additive layer manufacturing of titanium matrix composites using the direct metal deposition laser process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 677, 171-181.	2.6	90
14	EBSD study of hydrogen-induced cracking in API-5L-X46 pipeline steel. Scripta Materialia, 2005, 52, 147-152.	2.6	84
15	Influence of stored energy on twin formation during primary recrystallization. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 589, 112-118.	2.6	83
16	Fertility and Childlessness in the United States. American Economic Review, 2015, 105, 1852-1882.	4.0	81
17	Geochronological constraints on the polycyclic magmatism in the Bou Azzer-El Graara inlier (Central) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	78
18	Polycyclic magmatism in the Tagragra dâ€™Akka and Kerdousâ€“Tafeltast inliers (Western Anti-Atlas,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	74

#	Article	IF	Citations
19	Evolution of Strength and Homogeneity in a Magnesium AZ31 Alloy Processed by Highâ€Pressure Torsion at Different Temperatures. Advanced Engineering Materials, 2012, 14, 1018-1026.	1.6	74
20	Role of Crystallographic Texture in Hydrogen-Induced Cracking of Low Carbon Steels for Sour Service Piping. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 1022-1031.	1.1	70
21	Influence of the Goss grain environment during secondary recrystallisation of conventional grain oriented Feâ€“3%Si steels. Scripta Materialia, 2002, 47, 725-730.	2.6	68
22	Microstructures and textures of a Cuâ€“Niâ€“Si alloy processed by high-pressure torsion. Journal of Alloys and Compounds, 2013, 574, 361-367.	2.8	68
23	Investigation of microstructure and texture evolution of a Mg/Al laminated composite elaborated by accumulative roll bonding. Materials Characterization, 2019, 147, 242-252.	1.9	67
24	Influence of the cold rolled reduction on the stored energy and the recrystallization texture in a Feâ€“53%Ni alloy. Scripta Materialia, 2002, 46, 311-317.	2.6	59
25	Annealing twin formation and recrystallization study of cold-drawn copper wires from EBSD measurements. Materials Characterization, 2007, 58, 947-952.	1.9	57
26	Characterization of Explosive Weld Joints by TEM and SEM/EBSD. Archives of Metallurgy and Materials, 2014, 59, 1129-1136.	0.6	54
27	Formation of annealing twins during primary recrystallization of two low stacking fault energy Ni-based alloys. Journal of Materials Science, 2015, 50, 2167-2177.	1.7	52
28	Shear zone patterns and strain distribution at the scale of a Penninic nappe: the Suretta nappe (Eastern Swiss Alps). Journal of Structural Geology, 1996, 18, 753-764.	1.0	50
29	Effect of aging on microstructural development in an Alâ€“Mgâ€“Si alloy processed by high-pressure torsion. Journal of Materials Science, 2012, 47, 7815-7820.	1.7	47
30	Analysis of laser shock waves and resulting surface deformations in an Alâ€“Cuâ€“Li aluminum alloy. Journal Physics D: Applied Physics, 2012, 45, 335304.	1.3	46
31	New geochemical, geochronological and structural constraints on the Ediacaran evolution of the south Sirwa, Agadir-Melloul and Iguerda inliers, Anti-Atlas, Morocco. Journal of African Earth Sciences, 2014, 98, 47-71.	0.9	46
32	An examination of microstructural evolution in a Cuâ€“Niâ€“Si alloy processed by HPT and ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 576, 149-155.	2.6	45
33	Constraints on the Ediacaran inertial interchange true polar wander hypothesis: A new paleomagnetic study in Morocco (West African Craton). Precambrian Research, 2017, 295, 90-116.	1.2	45
34	Texture evolution in high-pressure torsion processing. Progress in Materials Science, 2022, 125, 100886.	16.0	45
35	Shortening of the European Dauphinois margin (Oisans Massif, Western Alps): New insights from RSCM maximum temperature estimates and 40Ar/39Ar in situ dating. Journal of Geodynamics, 2015, 83, 37-64.	0.7	43
36	Basement-cover relationships in the Tambo nappe (Central Alps, Switzerland): geometry, structure and kinematics. Journal of Structural Geology, 1993, 15, 543-553.	1.0	42

#	Article	IF	Citations
37	Experimental study of microstructure changes due to low cycle fatigue of a steel nanocrystallised by Surface Mechanical Attrition Treatment (SMAT). Materials Characterization, 2017, 124, 117-121.	1.9	42
38	Zircon Uâ€“Pb geochronology of Ordovician magmatism in the polycyclic Ruitor Massif (Internal W) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	40
39	Texture and microhardness of Mg-Rare Earth (Nd and Ce) alloys processed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 724, 477-485.	2.6	40
40	Microstructural and textural characterization of copper processed by ECAE. Materials Characterization, 2006, 56, 19-25.	1.9	39
41	Effect of recrystallization and degree of order on the magnetic and mechanical properties of soft magnetic FeCoâ€“2V alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 578, 215-221.	2.6	37
42	Thermal stability of Cu-Cr-Zr alloy processed by equal-channel angular pressing. Materials Characterization, 2016, 118, 527-534.	1.9	37
43	Evaluating the textural and mechanical properties of an Mg-Dy alloy processed by high-pressure torsion. Journal of Alloys and Compounds, 2019, 778, 61-71.	2.8	37
44	Effect of impurities on the recrystallization texture in commercially pure copper-ETP wires. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 456, 261-269.	2.6	36
45	Study of Inconel 718 weldability using MIG CMT process. Science and Technology of Welding and Joining, 2011, 16, 477-482.	1.5	36
46	Monte Carlo simulation of recrystallization in Feâ€“50%Ni starting from EBSD and bulk texture measurements. Scripta Materialia, 2002, 46, 829-835.	2.6	35
47	Effect of temperature on the processing of a magnesium alloy by high-pressure torsion. Journal of Materials Science, 2012, 47, 7796-7806.	1.7	34
48	Laser cladding of Ni based powder on a Cu-Ni-Al glassmold: Influence of the process parameters on bonding quality and coating geometry. Journal of Alloys and Compounds, 2019, 771, 1018-1028.	2.8	34
49	A ROLE FOR CULTURAL TRANSMISSION IN FERTILITY TRANSITIONS. Macroeconomic Dynamics, 2010, 14, 454-481.	0.6	33
50	Microstructure and texture evolution in a magnesium alloy during processing by high-pressure torsion. Materials Research, 2013, 16, 577-585.	0.6	33
51	Role of microtexture in the interaction and coalescence of hydrogen-induced cracks. Corrosion Science, 2009, 51, 1140-1145.	3.0	32
52	Microstructure, mechanical properties and texture of an AA6061/AA5754 composite fabricated by cross accumulative roll bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 640, 235-242.	2.6	32
53	Microstructural evolution and mechanical properties on an ARB processed IF steel studied by X-ray diffraction and EBSD. Materials Characterization, 2016, 118, 332-339.	1.9	32
54	Relation between the deformation sub-structure after rolling or tension and the recrystallization mechanisms of an IF steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 473, 342-354.	2.6	31

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55	Texture and microstructure evolution of Feâ€“Ni alloy after accumulative roll bonding. Journal of Alloys and Compounds, 2014, 610, 352-360.	2.8	31
56	Determination of the total texture. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1993, 24, 2299-2311.	1.4	29
57	Geodynamic evolution of a wide plate boundary in the Western Mediterranean, near-fieldversusfar-field interactions. Bulletin - Societie Geologique De France, 2021, 192, 48.	0.9	29
58	On the non-existence of a Cadomian basement in southern France (Pyrenees, Montagne Noire): implications for the significance of the pre-Variscan (pre-Upper Ordovician) series. Bulletin - Societie Geologique De France, 2004, 175, 643-655.	0.9	28
59	Basement shear zones development and shortening kinematics in the Ecrins Massif, Western Alps. Tectonics, 2014, 33, 84-111.	1.3	28
60	Observations of and model for insular grains and grain clusters formed during anomalous grain growth in N18 superalloy. Journal of Applied Physics, 1998, 84, 6366-6371.	1.1	26
61	Characterization at a local scale of a laser-shock peened aluminum alloy surface. Applied Surface Science, 2011, 257, 7195-7203.	3.1	26
62	Microstructure and texture evolution during the ultra grain refinement of the Armco iron deformed by accumulative roll bonding (ARB). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 561, 60-66.	2.6	26
63	Religion and fertility: The French connection. Demographic Research, 0, 32, 397-420.	2.0	26
64	Microstructural characterization in a hot-rolled, two-phase steel. Materials Characterization, 2001, 47, 365-373.	1.9	25
65	Stored energy evolution in both phases of a duplex steel as a function of cold rolling reduction. Scripta Materialia, 2006, 54, 683-688.	2.6	25
66	Orientation changes inside shear bands occurring in channel-die compressed (112)[1ì„1ì„1]copper single crystals. Scripta Materialia, 1996, 35, 397-403.	2.6	24
67	Microstructure and texture evolution in a Cuâ€“Niâ€“Si alloy processed by equal-channel angular pressing. Journal of Alloys and Compounds, 2015, 638, 88-94.	2.8	24
68	On the evolution of microstructure, texture and corrosion behavior of a hot-rolled and annealed AZ31 alloy. Materials Chemistry and Physics, 2021, 267, 124598.	2.0	24
69	â€œin-situâ€•neutron diffraction study of the cube crystallographic texture development in Fe53%-Ni alloy during recrystallization. Scripta Materialia, 2000, 43, 325-330.	2.6	23
70	Simulation of primary recrystallization from tem orientation data. Scripta Materialia, 2000, 43, 63-68.	2.6	22
71	Influence of neighbourhood on abnormal Goss grain growth in Feâ€“3% Si steels: Formation of island grains in the large growing grain. Scripta Materialia, 2006, 55, 641-644.	2.6	22
72	Peneplanation and lithosphere dynamics in the Pyrenees. Comptes Rendus - Geoscience, 2016, 348, 194-202.	0.4	22

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73	Contribution to the analysis of the Î±/Î² interface in some titanium alloys. Journal of Materials Research, 1991, 6, 987-998.	1.2	21
74	TEM study of recovery and recrystallization mechanisms after 40% cold rolling in an IF-Ti steel. Scripta Materialia, 2005, 53, 1001-1006.	2.6	21
75	Texture evolution of an Feâ€“Ni alloy sheet produced by cross accumulative roll bonding. Materials Characterization, 2014, 97, 140-149.	1.9	21
76	An EBSD analysis of Fe-36%Ni alloy processed by HPT at ambient and a warm temperature. Journal of Alloys and Compounds, 2018, 753, 46-53.	2.8	21
77	Thermal Stability of an Mgâ€“Nd Alloy Processed by Highâ€Pressure Torsion. Advanced Engineering Materials, 2019, 21, 1900801.	1.6	21
78	Deformation textures in wire drawn perlitic steel. International Journal of Material Forming, 2010, 3, 7-11.	0.9	20
79	Elaboration and structural characterization of glasses inside the ternary SrO-TiO2-P2O5 system. Journal of Physics and Chemistry of Solids, 2012, 73, 961-968.	1.9	20
80	Microstructural and textural investigation of an Mgâ€“Dy alloy after hot plane strain compression. Journal of Magnesium and Alloys, 2020, 8, 1198-1207.	5.5	20
81	3D Modeling and Kinematics of the External Zone of the French Western Alps (Belledonne and Grand) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	19
82	Early Stages of Recrystallization in Equal-Channel Angular Pressing (ECAP)-Deformed AA3104 Alloy Investigated Using Scanning Electron Microscopy (SEM) and Transmission Electron Microscopy (TEM) Orientation Mappings. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 4777-4793.	1.1	19
83	Barkhausen noise measurements give direct observation of magnetocrystalline anisotropy energy in ferromagnetic polycrystals. Journal Physics D: Applied Physics, 2013, 46, 392001.	1.3	19
84	EBSD study of the development of cube recrystallization texture in Feâ€“50%Ni. Scripta Materialia, 2001, 45, 413-420.	2.6	18
85	Simulation of primary recrystallization from TEM observations and neutron diffraction measurements. Scripta Materialia, 2004, 51, 427-430.	2.6	18
86	In Situ Electron Backscatter Diffraction Investigation of Recrystallization in a Copper Wire. Microscopy and Microanalysis, 2013, 19, 969-977.	0.2	18
87	On the stored energy evolution after accumulative roll-bonding of invar alloy. Materials Chemistry and Physics, 2017, 201, 408-415.	2.0	18
88	Estimation of the Minimum Grain Number for the Orientation Distribution Function Calculation from Individual Orientation Measurements on Feâ€“3%Si and Tiâ€“4Alâ€“6V Alloys. Journal of Applied Crystallography, 1995, 28, 582-589.	1.9	17
89	Grain growth simulation starting from experimental data. Scripta Materialia, 1997, 36, 789-794.	2.6	17
90	Reinforcement of the Cube texture during recrystallization of a 1050 aluminum alloy partially recrystallized and 10% cold-rolled. Materials Characterization, 2012, 64, 1-7.	1.9	17

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91	On the evaluation of dislocation densities in pure tantalum from EBSD orientation data. Materiaux Et Techniques, 2018, 106, 604.	0.3	17
92	Primary Recrystallization of Invar, Feâ€36%Ni Alloy: Origin and Development of the Cubic Texture. Advanced Engineering Materials, 2010, 12, 1047-1052.	1.6	15
93	Quantitative infrared analysis of welding processes: temperature measurement during RSW and CMT-MIG welding. Science and Technology of Welding and Joining, 2014, 19, 38-43.	1.5	15
94	The effect of Ti/Y ratio on the recrystallisation behaviour of Feâ€“14%Cr oxide dispersion-strengthened alloys. Journal of Nuclear Materials, 2014, 452, 359-363.	1.3	15
95	Comparison of four arc welding processes used for aluminium alloy cladding. Science and Technology of Welding and Joining, 2015, 20, 75-81.	1.5	15
96	An investigation of the stored energy and thermal stability in a Cuâ€“Niâ€“Si alloy processed by high-pressure torsion. Philosophical Magazine, 2020, 100, 688-712.	0.7	15
97	Basementâ€Cover Decoupling During the Inversion of a Hyperextended Basin: Insights From the Eastern Pyrenees. Tectonics, 2021, 40, e2020TC006512.	1.3	15
98	Monte Carlo simulation of primary recrystallization and annealing twinning. Acta Materialia, 2014, 81, 457-468.	3.8	14
99	Effect of long range order on mechanical properties of partially recrystallized Fe49Coâ€“2V alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 592, 70-76.	2.6	14
100	Compromise between magnetic shielding and mechanical strength of thin Al/Steel/Al sandwiches produced by cold roll bonding: Experimental and numerical approaches. Journal of Alloys and Compounds, 2019, 798, 67-81.	2.8	14
101	Simulation of the anisotropic growth of goss grains in Fe3%Si sheets (grade HiB). Scripta Materialia, 1999, 40, 1111-1116.	2.6	13
102	Sur lâ€™origine karstique et lâ€™Ã¢ge plio-quaternaire des accumulations brÃ©chiques dites Â«brÃ¨ches marines et palÃ©ocÃ¨nesÂ» dâ€™AmÃ©lie-les-Bains (PyrÃ©nÃ©es-Orientales, France). Eclogae Geologicae Helveticae, 2006, 99, 49-64.	0.6	13
103	In Situ EBSD Investigation of Recrystallization in a Partially Annealed and Coldâ€Rolled Aluminum Alloy of Commercial Purity. Advanced Engineering Materials, 2012, 14, 39-44.	1.6	13
104	Texture and grain size dependence of grain boundary character distribution in recrystallized Fe-50%Ni. Scripta Materialia, 1999, 41, 847-853.	2.6	12
105	Comparison between recrystallization mechanisms in copper and Ti-IF steel after a low amount of deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3829-3832.	2.6	12
106	Accumulative Roll Bonding at Room Temperature of a Biâ€Metallic AA5754/AA6061 Composite: Impact of Strain Path on Microstructure, Texture, and Mechanical Properties. Advanced Engineering Materials, 2018, 20, 1700285.	1.6	12
107	Effect of heat treatment on the mechanical properties and microstructure of HSLA steels processed by various technologies. Materials Today Communications, 2021, 28, 102598.	0.9	12
108	Selective electrodeposition of PbO2 on anodised-polycrystalline titanium. Electrochimica Acta, 2004, 49, 2369-2377.	2.6	11

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109	Neutron Diffraction Measurements of Deformation and Recrystallization Textures in Cold Wire-Drawn Copper. Materials Science Forum, 2005, 495-497, 919-926.	0.3	11
110	Dynamic Recrystallization Modeling during Hot Forging of a Nickel Based Superalloy. Materials Science Forum, 0, 638-642, 2321-2326.	0.3	11
111	The deformation and recrystallization behaviour of an Mg-Dy alloy processed by plane strain compression. Materials Today Communications, 2020, 24, 101239.	0.9	11
112	Orientation correlations in primary recrystallized Fe-50%Ni. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 298, 227-234.	2.6	10
113	Texture Evolution in Invar^{Â®} Deformed by Asymmetrical Rolling. Materials Science Forum, 2007, 550, 551-556.	0.3	10
114	The Effect of the Strain Path and the Second Phase Particles on the Microstructure and the Texture Evolution of the AA3104 Alloy Processed by ECAP. Archives of Metallurgy and Materials, 2011, 56, .	0.6	10
115	Microstructural Evolution and Texture Analysis in a Thermomechanically Processed Low SFE Superâ€Austenitic Steel (Alloyâ€28). Advanced Engineering Materials, 2018, 20, 1700928.	1.6	10
116	A stored energy analysis of grains with shear texture orientations in Cu-Ni-Si and Fe-Ni alloys processed by high-pressure torsion. Journal of Alloys and Compounds, 2021, 864, 158142.	2.8	10
117	Development of the PC-GMAW welding technology for TMCP steel in accordance with welding thermal cycle, welding technique, structure, and properties of welded joints. Reports in Mechanical Engineering, 2020, 1, 26-33.	4.9	10
118	Impurities Effects on the Stored Elastic Energy in Cold-drawn Copper Wires. Journal of Neutron Research, 2004, 12, 249-254.	0.4	9
119	A Study of Local Microstructure and Texture Heterogeneities in a CGO Fe3%Si Alloy from Hot Rolling to Primary Recrystallization. Materials Science Forum, 2005, 495-497, 483-488.	0.3	9
120	Effect of TiO2 and SrO additions on some physical properties of 33Na2Oâ€“xSrOâ€“xTiO2â€“(50Ââ^'Â2x)B2O3â€“17P2O5 glasses. Journal of Thermal Analysis and Calorimetry, 2013, 111, 401-408.	2.3	9
121	Study of the Relation between Microstructure and Properties (Mechanical/Electrical) of Copper Wire Drawing and Annealed. Acta Physica Polonica A, 2013, 123, 470-472.	0.2	9
122	Relaxation path of nanoparticles in an oxygen-enriched ferritic oxide-dispersion-strengthened alloy. Scripta Materialia, 2017, 136, 37-40.	2.6	9
123	Magnetic Shielding at Low Frequencies: Application for an Aluminum/Steel Composite Elaborated by Accumulative Roll Bonding. Advanced Engineering Materials, 2019, 21, 1800967.	1.6	9
124	Welding Thermal Cycle Impact on the Microstructure and Mechanical Properties of Thermoâ€“Mechanical Control Process Steels. Steel Research International, 2021, 92, 2000645.	1.0	9
125	Comparison of several methods for the reproduction of the orientation distribution function from pole figures in medium to strong textured materials. EPJ Applied Physics, 2001, 15, 85-96.	0.3	8
126	Study of the development of the cube texture in Fe-50%Ni during recrystallization and normal grain growth. EPJ Applied Physics, 2002, 20, 77-89.	0.3	8

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127	Title is missing!. Journal of Materials Science, 2002, 10, 303-309.	1.2	8
128	Microstructural Changes in Copper Processed by Equal Channel Angular Extrusion and Static Annealing. Materials Science Forum, 2003, 426-432, 2723-2728.	0.3	8
129	Monte Carlo Method for Simulating Grain Growth in 3D Influence of Lattice Site Arrangements. Materials Science Forum, 2004, 467-470, 1117-1122.	0.3	8
130	Strain-induced dissolution of Yâ€“Tiâ€“O nano-oxides in a consolidated ferritic oxide dispersion strengthened (ODS) steel. Materialia, 2018, 4, 444-448.	1.3	8
131	Microstructural Evolutions and Mechanical Properties of Drawn Medium Carbon Steel Wire. International Journal of Engineering Research in Africa, 0, 41, 1-7.	0.7	8
132	Probabilistic and deterministic full field approaches to simulate recrystallization in ODS steels. Computational Materials Science, 2020, 179, 109646.	1.4	8
133	Optimization of the pulsed arc welding parameters for wire arc additive manufacturing in austenitic steel applications. International Journal of Advanced Manufacturing Technology, 2022, 119, 5175-5193.	1.5	8
134	Characterization of Recrystallization Textures in Fe-3% Si Sheets by EBSP: Comparison With X Ray Diffraction. Textures and Microstructures, 1991, 14, 597-610.	0.2	7
135	Deformation textures and plastic anisotropy of steels using the Taylor and nonhomogeneous models. International Journal of Plasticity, 1994, 10, 643-661.	4.1	7
136	Automatic Orientation Measurements in TEM for Studying Fe-Ni Recrystallization Mechanisms. Materials Science Forum, 2002, 408-412, 523-528.	0.3	7
137	Texture and Evolution of Recrystallization in Low Carbon Steel Wire. Materials Science Forum, 2006, 514-516, 554-558.	0.3	7
138	INCONEL 718 Recrystallization in the Delta Supersolvus Domain. Advanced Materials Research, 0, 409, 751-756.	0.3	7
139	Microstructure and microtexture evolution with aging treatment in an Alâ€“Mgâ€“Si alloy severely deformed by HPT. Journal of Materials Science, 2013, 48, 4573-4581.	1.7	7
140	Recrystallization texture development by multiple twinning in the Invar (Fe-36 %Ni) alloy. Revue De Metallurgie, 2003, 100, 193-202.	0.3	6
141	Estimation of Stored Energy Distribution from EBSD Measurements. Materials Science Forum, 2004, 467-470, 51-56.	0.3	6
142	Temperature and Deformation Effects on the Recrystallization Microstructure and Texture of Wire Draw Steel. Materials Science Forum, 2007, 550, 447-452.	0.3	6
143	In-situ EBSD investigation of thermal stability of a 316L stainless steel nanocrystallized by Surface Mechanical Attrition Treatment. Materials Letters, 2020, 263, 127249.	1.3	6
144	Characterization of untransformed ferrite in 10Cr and 12Cr ODS steels. Materialia, 2021, 16, 101066.	1.3	6

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145	Effect of ECAP and Subsequent Annealing on Microstructure, Texture, and Microhardness of an AA6060 Aluminum Alloy. Journal of Materials Engineering and Performance, 2022, 31, 2606-2623.	1.2	6
146	Microtexture determination in Feâ€“Si alloy sheets by etch pitting. Comparison with the electron back-scattering pattern technique. Journal of Applied Crystallography, 1994, 27, 924-933.	1.9	5
147	Percolation Properties of Internal Wetted Polycrystals: Effect of Stresses and Material Structure. Materials Science Forum, 2002, 404-407, 373-380.	0.3	5
148	Formation and Control of the Cube Texture in Fe-Ni Alloys. Materials Science Forum, 2002, 408-412, 739-748.	0.3	5
149	Study of Deformation Microstructure and Static Recovery in Copper after Cold Drawing. Materials Science Forum, 2004, 467-470, 27-32.	0.3	5
150	Monte Carlo Modeling of Low Carbon Steel Recrystallization: Role of Thermo-Mechanical Treatment and Chemical Composition. Materials Science Forum, 2005, 495-497, 507-512.	0.3	5
151	Microstructural Evolution in an Al-6061 Alloy Processed by High-Pressure Torsion and Rapid Annealing. Materials Science Forum, 0, 667-669, 223-228.	0.3	5
152	The Optimal Trade-Off Between Quality and Quantity with Unknown Number of Survivors. Mathematical Population Studies, 2012, 19, 94-113.	0.8	5
153	Influence of Sulfur on the Recrystallization and {100}â€˜001â€‰ Cube Texture Formation in Fe48%Ni Alloys Tapes. Advanced Engineering Materials, 2014, 16, 933-939.	1.6	5
154	Comparison between ARB and CARB processes on an AA5754/AA6061 composite. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012090.	0.3	5
155	Grain boundary character distribution of CuNiSi and FeNi alloys processed by severe plastic deformation. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012076.	0.3	5
156	EBSD characterization of an IF steel processed by Accumulative Roll Bonding. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012077.	0.3	5
157	Effect of Annealing Atmosphere on the Recrystallized Texture and Abnormal Grain Growth of Niâ€“5%W Alloy Sheets. Advanced Engineering Materials, 2015, 17, 1568-1572.	1.6	5
158	The Influence of Aging on Industrially Cold Drawn Aluminum Alloy (6101) Used in the Electric Transmission Lines. International Journal of Engineering Research in Africa, 2016, 24, 9-16.	0.7	5
159	Study of the microstructure and texture heterogeneities of Feâ€“48wt%Ni alloy severely deformed by equal channel angular pressing. Journal of Materials Science, 2019, 54, 4354-4365.	1.7	5
160	Mechanical Properties and Texture Evolution of High-Carbon Steel Wires during Wire Drawing: Strand Manufacturing. International Journal of Engineering Research in Africa, 0, 49, 130-138.	0.7	5
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