

Andrey Belyakov

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1918406/andrey-belyakov-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

221
papers

6,014
citations

40
h-index

73
g-index

247
ext. papers

6,887
ext. citations

2.4
avg, IF

6.05
L-index

#	Paper	IF	Citations
221	Dynamic and post-dynamic recrystallization under hot, cold and severe plastic deformation conditions. <i>Progress in Materials Science</i> , 2014 , 60, 130-207	42.2	1385
220	Grain refinement in copper under large strain deformation. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001 , 81, 2629-2643		219
219	Effect of initial microstructures on grain refinement in a stainless steel by large strain deformation. <i>Acta Materialia</i> , 2003 , 51, 847-861	8.4	181
218	Dynamic recrystallization under warm deformation of a 304 type austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 255, 139-147	5.3	178
217	Continuous recrystallization in austenitic stainless steel after large strain deformation. <i>Acta Materialia</i> , 2002 , 50, 1547-1557	8.4	165
216	Dynamic recrystallization mechanisms operating in a Ni20%Cr alloy under hot-to-warm working. <i>Acta Materialia</i> , 2010 , 58, 3624-3632	8.4	125
215	Effect of large strain cold rolling and subsequent annealing on microstructure and mechanical properties of an austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 545, 176-186	5.3	122
214	Strain-induced grain evolution in polycrystalline copper during warm deformation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998 , 29, 2957-2965	2.3	115
213	Microstructural evolution of a 304-type austenitic stainless steel during rolling at temperatures of 773-273 K. <i>Acta Materialia</i> , 2015 , 82, 244-254	8.4	103
212	Deformation microstructures, strengthening mechanisms, and electrical conductivity in a CuCrZr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 629, 29-40	5.3	100
211	Ultrafine Grain Formation in Ferritic Stainless Steel during Severe Plastic Deformation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008 , 39, 2206-2214	2.3	94
210	Microstructure evolution in dual-phase stainless steel during severe deformation. <i>Acta Materialia</i> , 2006 , 54, 2521-2532	8.4	93
209	Microstructure evolution and strengthening mechanisms of Fe23Mn0.3C0.5Al TWIP steel during cold rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 617, 52-60	5.3	91
208	Structural changes of tempered martensitic 9%Cr2%W3%Co steel during creep at 650°C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 534, 632-639	5.3	88
207	Ultrafine grain development in copper during multidirectional forging at 195 K. <i>Philosophical Magazine Letters</i> , 2007 , 87, 751-766	1	79
206	Grain Refinement under Multiple Warm Deformation in 304 Type Austenitic Stainless Steel.. <i>ISIJ International</i> , 1999 , 39, 592-599	1.7	79
205	Fine-Grained Structure Formation in Austenitic Stainless Steel under Multiple Deformation at 0.5Tm. <i>Materials Transactions, JIM</i> , 2000 , 41, 476-484		79

204	Microstructure Evolution and Pinning of Boundaries by Precipitates in a 9 pct Cr Heat Resistant Steel During Creep. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 162-172	2.3	73
203	Substructures and internal stresses developed under warm severe deformation of austenitic stainless steel. <i>Scripta Materialia</i> , 2000 , 42, 319-325	5.6	71
202	Wear resistance and electroconductivity in copper processed by severe plastic deformation. <i>Wear</i> , 2013 , 305, 89-99	3.5	70
201	Dynamic recrystallization of copper polycrystals with different purities. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 265, 233-239	5.3	69
200	Laves-phase precipitates in a low-carbon 9% Cr martensitic steel during aging and creep at 923 K. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 615, 153-163	5.3	63
199	Effect of cold rolling on recrystallization and tensile behavior of a high-Mn steel. <i>Materials Characterization</i> , 2016 , 112, 180-187	3.9	61
198	Laves phase evolution in a modified P911 heat resistant steel during creep at 923 K. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 532, 71-77	5.3	60
197	Grain refinement kinetics and strengthening mechanisms in Cu _{0.3} Cr _{0.5} Zr alloy subjected to intense plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 654, 131-142	5.3	59
196	Hall-Petch relationship for austenitic stainless steels processed by large strain warm rolling. <i>Acta Materialia</i> , 2017 , 136, 39-48	8.4	59
195	Dynamic recrystallization in ultra fine-grained 304 stainless steel. <i>Scripta Materialia</i> , 2000 , 43, 21-26	5.6	58
194	Structural strengthening of an austenitic stainless steel subjected to warm-to-hot working. <i>Materials Characterization</i> , 2011 , 62, 432-437	3.9	56
193	Microstructure evolution in a 3%Co modified P911 heat resistant steel under tempering and creep conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 1280-1286	5.3	54
192	Grain refinement in a Cu _{0.3} Cr _{0.5} Zr alloy during multidirectional forging. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 380-389	5.3	52
191	Annealing behavior of a 304L stainless steel processed by large strain cold and warm rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 689, 370-383	5.3	48
190	Strain-induced grain evolution in an austenitic stainless steel under warm multiple forging. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 564, 413-422	5.3	48
189	New grain formation during warm deformation of ferritic stainless steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1998 , 29, 161-167	2.3	47
188	Strain-induced submicrocrystalline grains developed in austenitic stainless steel under severe warm deformation. <i>Philosophical Magazine Letters</i> , 2000 , 80, 711-718	1	47
187	Development of Nanocrystalline 304L Stainless Steel by Large Strain Cold Working. <i>Metals</i> , 2015 , 5, 656-668	6.6	46

186	Tempering behavior of a low nitrogen boron-added 9%Cr steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 662, 443-455	5.3	44
185	Recovery and recrystallization in ferritic stainless steel after large strain deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 403, 249-259	5.3	43
184	Structural/textural changes and strengthening of an advanced high-Mn steel subjected to cold rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 651, 763-773	5.3	41
183	Microstructure Evolution in Ferritic Stainless Steels during Large Strain Deformation. <i>Materials Transactions</i> , 2004 , 45, 2812-2821	1.3	41
182	Strengthening of age-hardenable WE43 magnesium alloy processed by high pressure torsion. <i>Materials Letters</i> , 2016 , 170, 5-9	3.3	40
181	Changes in misorientations of grain boundaries in titanium during deformation. <i>Materials Characterization</i> , 2010 , 61, 732-739	3.9	40
180	Microstructure Evolution in an Advanced 9 pct Cr Martensitic Steel during Creep at 923 K (650 °C). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 128-135	2.3	39
179	Tempering-induced structural changes in steel 10Kh9K3V1M1FBR and their effect on the mechanical properties. <i>Metal Science and Heat Treatment</i> , 2010 , 52, 100-110	0.6	39
178	Deformation microstructures and tensile properties of an austenitic stainless steel subjected to multiple warm rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 667, 279-285	5.3	37
177	Effect of chromium and zirconium content on structure, strength and electrical conductivity of Cu-Cr-Zr alloys after high pressure torsion. <i>Materials Letters</i> , 2017 , 199, 46-49	3.3	36
176	Effect of Co on Creep Behavior of a P911 Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 577-583	2.3	35
175	The crystallography of M23C6 carbides in a martensitic 9% Cr steel after tempering, aging and creep. <i>Philosophical Magazine</i> , 2013 , 93, 2259-2268	1.6	34
174	Effect of dispersed particles on microstructure evolved in iron under mechanical milling followed by consolidating rolling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001 , 32, 1769-1776	2.3	33
173	Microstructure and Properties of Fine Grained Cu-Cr-Zr Alloys after Thermo-Mechanical Treatments. <i>Reviews on Advanced Materials Science</i> , 2018 , 54, 56-92	4.8	30
172	On the effect of chemical composition on yield strength of TWIP steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 687, 82-84	5.3	29
171	Comparative study on microstructure evolution upon unidirectional and multidirectional cold working in an Fe-15%Cr ferritic alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 456, 323-331	5.3	29
170	Grain boundary assembles developed in an austenitic stainless steel during large strain warm working. <i>Materials Characterization</i> , 2012 , 70, 14-20	3.9	28
169	Effect of Severe Cold or Warm Deformation on Microstructure Evolution and Tensile Behavior of a 316L Stainless Steel. <i>Advanced Engineering Materials</i> , 2015 , 17, 1812-1820	3.5	28

168	Recrystallization and Related Phenomena. Dynamic Recrystallization under Warm Deformation of Polycrystalline Copper.. <i>ISIJ International</i> , 1998 , 38, 595-601	1.7	28
167	Microstructure and deformation behaviour of submicrocrystalline 304 stainless steel produced by severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 319-321, 867-871	5.3	26
166	Hydrogen induced delayed fracture of ultrafine grained 0.6% O steel with dispersed oxide particles. <i>Scripta Materialia</i> , 2003 , 49, 1111-1116	5.6	24
165	Microstructure and Mechanical Properties of Austenitic Stainless Steels after Dynamic and Post-Dynamic Recrystallization Treatment. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700960	3.5	22
164	Tensile behaviour of submicrocrystalline ferritic steel processed by large-strain deformation. <i>Philosophical Magazine Letters</i> , 2009 , 89, 201-212	1	22
163	Annealing behavior of a ferritic stainless steel subjected to large-strain cold working. <i>Journal of Materials Research</i> , 2007 , 22, 3042-3051	2.5	22
162	Effect of rolling temperature on microstructure and mechanical properties of 18%Mn TWIP/TRIP steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 708, 110-117	5.3	20
161	Evolution of Lath Substructure and Internal Stresses in a 9% Cr Steel during Creep. <i>ISIJ International</i> , 2017 , 57, 540-549	1.7	20
160	Structure and Mechanical and Corrosion Properties of a Magnesium Mg-10Nd-2Zr Alloy after High Pressure Torsion. <i>Russian Metallurgy (Metally)</i> , 2017 , 2017, 912-921	0.5	20
159	CSL boundary distributions in an austenitic stainless steel subjected to multidirectional forging followed by annealing. <i>Philosophical Magazine</i> , 2014 , 94, 4181-4196	1.6	20
158	Incomplete recrystallization in cold worked steel containing TiC. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 471, 50-56	5.3	20
157	Structural changes in metastable austenitic steel during equal channel angular pressing and subsequent cyclic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 723, 141-147	5.3	19
156	Regularities of Deformation Microstructures in Ferritic Stainless Steels during Large Strain Cold Working. <i>ISIJ International</i> , 2008 , 48, 1071-1079	1.7	19
155	On Strengthening of Austenitic Stainless Steel by Large Strain Cold Working. <i>ISIJ International</i> , 2016 , 56, 1289-1296	1.7	19
154	Grain Refinement Kinetics in a Low Alloyed Cu-Cr-Zr Alloy Subjected to Large Strain Deformation. <i>Materials</i> , 2017 , 10,	3.5	17
153	Microstructure evolution in a 316L stainless steel subjected to multidirectional forging and unidirectional bar rolling. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012060	0.4	17
152	Structural changes of ferritic stainless steel during severe plastic deformation. <i>Scripta Materialia</i> , 1995 , 6, 893-896		17
151	Effect of Tungsten on Creep Behavior of 9%Cr-3%Co Martensitic Steels. <i>Metals</i> , 2017 , 7, 573	2.3	16

150	Impact toughness of an S700MC-type steel: Tempforming vs ausforming. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 723, 259-268	5.3	16
149	Static recrystallization of SiO ₂ -particle containing {011} copper single crystals. <i>Acta Materialia</i> , 2003 , 51, 1507-1515	8.4	16
148	Grain refinement in copper under large strain deformation. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2001 , 81, 2629-2643		16
147	Creep behavior and microstructural evolution of a 9%Cr steel with high B and low N contents. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 725, 228-241	5.3	15
146	Three-stage relationship between flow stress and dynamic grain size in titanium in a wide temperature interval. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 628, 104-109	5.3	15
145	Development of a high-strength high-conductivity CuNiP alloy. Part II: Processing by severe deformation. <i>Journal of Electronic Materials</i> , 2006 , 35, 2000-2008	1.9	15
144	Grain refinement and strengthening of austenitic stainless steels during large strain cold rolling. <i>Philosophical Magazine</i> , 2019 , 99, 531-556	1.6	15
143	Development of Σ CSL boundaries in austenitic stainless steels subjected to large strain deformation and annealing. <i>Journal of Materials Science</i> , 2017 , 52, 4210-4223	4.3	14
142	Sources of high creep resistance of modern high-chromium martensitic steels. <i>Doklady Physical Chemistry</i> , 2015 , 464, 191-193	0.8	14
141	Effect of annealing on wear resistance and electroconductivity of copper processed by high-pressure torsion. <i>Journal of Materials Science</i> , 2014 , 49, 2270-2278	4.3	14
140	Evolution of texture and development of Σ grain clusters in 316 austenitic stainless steel during thermal mechanical processing. <i>Journal of Materials Science</i> , 2013 , 48, 997-1004	4.3	14
139	Development of a high-strength high-conductivity Cu-Ni-P alloy. Part I: Characterization of precipitation products. <i>Journal of Electronic Materials</i> , 2006 , 35, 1787-1792	1.9	14
138	Influence of the carbon content on the phase composition and mechanical properties of P92-type steel. <i>Physics of Metals and Metallography</i> , 2015 , 116, 1165-1174	1.2	13
137	Origin of Threshold Stresses in a P92-type Steel. <i>Transactions of the Indian Institute of Metals</i> , 2016 , 69, 223-227	1.2	13
136	Nanocrystalline structures and tensile properties of stainless steels processed by severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012156	0.4	13
135	On Kinetics of Grain Refinement and Strengthening by Dynamic Recrystallization. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800104	3.5	12
134	Experimental and numerical analyses of microstructure evolution of Cu-Cr-Zr alloys during severe plastic deformation. <i>Materials Characterization</i> , 2019 , 156, 109849	3.9	12
133	Annealing behavior of submicrocrystalline oxide-bearing iron produced by mechanical alloying. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 131-138	2.3	12

132	Advanced Thermomechanical Processing for a High-Mn Austenitic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 5704-5708	2.3	12
131	Changes in the grain structure of metallic materials upon plastic treatment. <i>Physics of Metals and Metallography</i> , 2009 , 108, 390-400	1.2	11
130	Evolution of submicrocrystalline iron containing dispersed oxides under mechanical milling followed by consolidation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002 , 33, 3241-3248	2.3	11
129	Microstructure and Mechanical Properties of 18%Mn TWIP/TRIP Steels Processed by Warm or Hot Rolling. <i>Steel Research International</i> , 2017 , 88, 1600123	1.6	10
128	Submicrocrystalline Austenitic Stainless Steel Processed by Cold or Warm High Pressure Torsion. <i>Materials Science Forum</i> , 2016 , 838-839, 398-403	0.4	10
127	Recrystallization behavior of a Ni20%Cr alloy subjected to severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 543, 164-172	5.3	10
126	Regularities of Grain Refinement in an Austenitic Stainless Steel during Multiple Warm Working. <i>Materials Science Forum</i> , 2013 , 753, 411-416	0.4	10
125	Microstructure and Mechanical Properties of a High-Mn TWIP Steel Subjected to Cold Rolling and Annealing. <i>Metals</i> , 2017 , 7, 571	2.3	10
124	Thermal stability of ultra fine-grained steel containing dispersed oxides. <i>Scripta Materialia</i> , 2001 , 45, 1213-1219	5.6	10
123	Microstructural Changes and Strengthening of Austenitic Stainless Steels during Rolling at 473 K. <i>Metals</i> , 2020 , 10, 1614	2.3	9
122	Effect of Nano-Sized Oxides on Annealing Behaviour of Ultrafine Grained Steels. <i>Materials Transactions</i> , 2004 , 45, 2252-2258	1.3	9
121	Grain Boundary Assemblies in Dynamically-Recrystallized Austenitic Stainless Steel. <i>Metals</i> , 2016 , 6, 268	2.3	9
120	Controlling microstructure and mechanical properties of additively manufactured high-strength steels by tailored solidification. <i>Additive Manufacturing</i> , 2020 , 35, 101389	6.1	8
119	Mechanical behavior and brittle-ductile transition of high-chromium martensitic steel. <i>Physics of Metals and Metallography</i> , 2016 , 117, 390-398	1.2	8
118	Evolution of grain boundary assemblies in Fe0.6%O under mechanical milling followed by consolidating rolling. <i>Scripta Materialia</i> , 2003 , 48, 1111-1116	5.6	8
117	Creep strength breakdown and microstructure in a 9%Cr steel with high B and low N contents. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 772, 138821	5.3	8
116	Dynamically Recrystallized Microstructures, Textures, and Tensile Properties of a Hot Worked High-Mn Steel. <i>Metals</i> , 2019 , 9, 30	2.3	8
115	Development of Ultrafine Grained Austenitic Stainless Steels by Large Strain Deformation and Annealing. <i>Materials Science Forum</i> , 2014 , 783-786, 651-656	0.4	7

114	Effect of Tempering on Mechanical Properties and Microstructure of a 9% Cr Heat Resistant Steel. <i>Materials Science Forum</i> , 2012 , 706-709, 841-846	0.4	7
113	Recrystallization Mechanisms in Severely Deformed Dual-Phase Stainless Steel. <i>Materials Science Forum</i> , 2010 , 638-642, 1905-1910	0.4	7
112	High-Temperature Mechanism of Dynamic Recrystallization of Ferritic Steel. <i>Materials Science Forum</i> , 1993 , 113-115, 385-390	0.4	7
111	Tempforming as an Advanced Processing Method for Carbon Steels. <i>Metals</i> , 2020 , 10, 1566	2.3	7
110	On the Strength of a 316L-Type Stainless Steel Subjected to Cold or Warm Rolling Followed by Annealing. <i>Materials</i> , 2020 , 13,	3.5	6
109	Formation of Ultrafine-Grained Structures in 304L and 316L Stainless Steels by Recrystallization and Reverse Phase Transformation. <i>Materials Science Forum</i> , 2016 , 838-839, 410-415	0.4	6
108	Deformation Behavior of High-Mn TWIP Steels Processed by Warm-to-Hot Working. <i>Metals</i> , 2018 , 8, 415	2.3	6
107	Effect of cold rolling on the structure and mechanical properties of austenitic corrosion-resistant 10Kh18N8D3BR steel. <i>Russian Metallurgy (Metally)</i> , 2012 , 2012, 772-778	0.5	6
106	The Formation of Fine-Grained Structure in S304H-Type Austenitic Stainless Steel during Hot-To-Warm Working. <i>Materials Science Forum</i> , 2012 , 715-716, 380-385	0.4	6
105	The Role of Deformation in Coarsening of M23C6 Carbide Particles in 9% Cr Steel. <i>Physics of Metals and Metallography</i> , 2020 , 121, 804-810	1.2	6
104	Recrystallization kinetics of an austenitic high-manganese steel subjected to severe plastic deformation. <i>Russian Metallurgy (Metally)</i> , 2016 , 2016, 812-819	0.5	6
103	On the Fracture Behavior of a Creep Resistant 10% Cr Steel with High Boron and Low Nitrogen Contents at Low Temperatures. <i>Materials</i> , 2019 , 13,	3.5	5
102	Effect of Warm to Hot Rolling on Microstructure, Texture and Mechanical Properties of an Advanced Medium-Mn Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019 , 50, 4245-4256	2.3	5
101	Annealing softening mechanisms operating in cold worked oxide-bearing steels. <i>Scripta Materialia</i> , 2003 , 48, 1463-1468	5.6	5
100	Effect of SPD Processing Technique on Grain Refinement and Properties of an Austenitic Stainless Steel. <i>Materials Science Forum</i> , 2016 , 879, 1957-1962	0.4	5
99	Effect of Tempering on Microstructure and Creep Properties of P911 Steel. <i>Materials Science Forum</i> , 2016 , 879, 1963-1968	0.4	5
98	Influence of cold forging and annealing on microstructure and mechanical properties of a high-Mn TWIP steel. <i>Metallic Materials</i> , 2017 , 55, 161-167	1.3	4
97	Regularities of Microstructure Evolution and Strengthening Mechanisms of Austenitic Stainless Steels Subjected to Large Strain Cold Working. <i>Materials Science Forum</i> , 2016 , 879, 224-229	0.4	4

96	Annealing Behavior and Kinetics of Primary Recrystallization of Copper. <i>Defect and Diffusion Forum</i> , 2018 , 385, 343-348	0.7	4
95	Improving Mechanical Properties of 18%Mn TWIP Steels by Cold Rolling and Annealing. <i>Metals</i> , 2019 , 9, 776	2.3	4
94	Effect of multidirectional forging and equal channel angular pressing on ultrafine grain formation in a Cu- Cr-Zr alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012097	0.4	4
93	Modeling the effect of deformation on strength of a Fe-23Mn-0.3C-1.5Al TWIP steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012059	0.4	4
92	Microstructure Evolution in a 9%Cr Heat Resistant Steel during Creep Tests. <i>Materials Science Forum</i> , 2010 , 638-642, 2315-2320	0.4	4
91	Structural Changes in a 304-Type Austenitic Stainless Steel Processed by Multiple Hot Rolling. <i>Advanced Materials Research</i> , 2011 , 409, 730-735	0.5	4
90	Dynamic Recrystallization Mechanisms Operating under Different Processing Conditions. <i>Materials Science Forum</i> , 2012 , 706-709, 2704-2709	0.4	4
89	Structural changes in refractory steel 10Kh9V2MFBR due to creep at 650°C. <i>Metal Science and Heat Treatment</i> , 2010 , 52, 111-117	0.6	4
88	Structural changes in steel 10Kh9K3V1M1FBR due to creep. <i>Metal Science and Heat Treatment</i> , 2010 , 52, 118-127	0.6	4
87	Grain Refinement in a 304 Type Stainless Steel Caused by Multiple Deformation at 0.5 Tm. <i>ISIJ International</i> , 2000 , 40, S164-S168	1.7	4
86	Deformation Microstructures and Mechanical Properties of an Austenitic Stainless Steel Subjected to Warm Rolling. <i>Materials Science Forum</i> , 2016 , 879, 1414-1419	0.4	4
85	On the transformation-induced plasticity of a medium-manganese steel. <i>Materials Letters</i> , 2021 , 304, 130599	3.3	4
84	Tailoring microstructure and texture of annealed Al-Mn alloy through the variation of homogenization and prior cold deformation strain. <i>Materials Characterization</i> , 2020 , 166, 110438	3.9	3
83	On Regularities of Grain Refinement through Large Strain Deformation. <i>Materials Science Forum</i> , 2016 , 838-839, 314-319	0.4	3
82	Microstructure and Mechanical Properties of an Ultrafine Grained Medium-Mn Steel. <i>Defect and Diffusion Forum</i> , 2018 , 385, 308-313	0.7	3
81	Effect of large plastic deformation on microstructure and mechanical properties of a TWIP steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012064	0.4	3
80	Effect of Cold Rolling on Microstructure and Mechanical Properties of a Fe-23Mn-0.3C-1.5Al TWIP Steel. <i>Advanced Materials Research</i> , 2014 , 922, 394-399	0.5	3
79	Structure and Fatigue Properties of Cr-Ni-Ti Austenitic Steel after Equal Channel Angular Pressing. <i>Materials Science Forum</i> , 2014 , 783-786, 2611-2616	0.4	3

78	Microstructure Evolution in a 304-Type Austenitic Stainless Steel during Multidirectional Forging at Ambient Temperature. <i>Materials Science Forum</i> , 2014 , 783-786, 831-836	0.4	3
77	Zener Pinning Pressure in Tempered Martensite Lath Structure. <i>Materials Science Forum</i> , 2012 , 715-716, 745-750	0.4	3
76	Nanostructure Evolution in an Austenitic Stainless Steel Subjected to Multiple Forging at Ambient Temperature. <i>Materials Science Forum</i> , 2010 , 667-669, 553-558	0.4	3
75	On Structural Mechanism of Continuous Recrystallization in Ferritic Stainless Steel after Large Strain Processing. <i>Materials Science Forum</i> , 2006 , 503-504, 323-328	0.4	3
74	GRAIN BOUNDARY PLANE DISTRIBUTIONS IN 304 STEEL ANNEALED AT HIGH TEMPERATURE AFTER A PARALLEL PROCESSING OF MULTIPLE FORGING AND DIRECT ROLLING. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2012 , 48, 895		3
73	Peculiarities of DRX in a Highly-Alloyed Austenitic Stainless Steel. <i>Materials</i> , 2021 , 14,	3.5	3
72	Microstructure and Strengthening Mechanisms in an HSLA Steel Subjected to Tempforming. <i>Metals</i> , 2022 , 12, 48	2.3	3
71	Grain sizes and dislocation densities in fcc-metallic materials processed by warm to hot working. <i>Journal of Physics: Conference Series</i> , 2019 , 1270, 012039	0.3	2
70	Mechanical characteristics and microstructure of weld joint of high-temperature martensitic steel containing 9% Cr. <i>Physics of Metals and Metallography</i> , 2016 , 117, 378-389	1.2	2
69	Ultrafine-Grained Structure and Mechanical Properties of a High-Mn Twinning Induced Plasticity Steel. <i>Materials Science Forum</i> , 2016 , 838-839, 392-397	0.4	2
68	Evolution of Laves-Phase Particles in a Low Carbon 9%Cr Martensitic Steel during Creep at 650°C. <i>Advanced Materials Research</i> , 2014 , 922, 155-160	0.5	2
67	The Formation of Submicrometer Scale Grains in a Super304H Steel during Multiple Compressions at 700°C. <i>Materials Science Forum</i> , 2010 , 667-669, 565-570	0.4	2
66	Submicrocrystalline Structures and Tensile Behaviour of Stainless Steels Subjected to Large Strain Deformation and Subsequent Annealing. <i>Advanced Materials Research</i> , 2011 , 409, 607-612	0.5	2
65	Microstructure and Deformation Behavior of a Hot Forged 9%Cr Creep Resistant Steel. <i>Advanced Materials Research</i> , 2011 , 409, 672-677	0.5	2
64	Texture Invariant Annealing in Severely Deformed Steel. <i>Materials Science Forum</i> , 2007 , 558-559, 101-106.	0.4	2
63	Recovery and Recrystallization in Cold Worked Fe- δ Steels. <i>Materials Science Forum</i> , 2004 , 467-470, 229-234	0.4	2
62	Structure and Texture Evolution of the Metastable Austenitic Steel during Cold Working. <i>Physics of Metals and Metallography</i> , 2020 , 121, 675-682	1.2	2
61	On strengthening of ultrafine grained austenitic steels subjected to large strain deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 672, 012021	0.4	2

60	Effect of tempering on microstructure and mechanical properties of a Ta-added 9%Cr steel with high B and low N contents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 525, 012049	0.4	2
59	Hot Deformation and Dynamic Recrystallization of 18%Mn Twinning-Induced Plasticity Steels. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000098	3.5	2
58	Effect of Cold Rolling and Subsequent Annealing on the Microstructure and the Microtexture of Austenitic Corrosion-Resistant Steels. <i>Russian Metallurgy (Metally)</i> , 2019 , 2019, 315-325	0.5	1
57	Development of Fine-Grained High-Mn Steel by Cold Rolling and Annealing. <i>Materials Science Forum</i> , 2016 , 838-839, 434-439	0.4	1
56	Mechanical Properties at Elevated Temperatures of an S304H-Type Austenitic Stainless Steel Processed by Warm Rolling. <i>Advanced Materials Research</i> , 2014 , 922, 844-849	0.5	1
55	Static Grain Growth in an Austenitic Stainless Steel Subjected to Intense Plastic Straining. <i>Materials Science Forum</i> , 2014 , 783-786, 1021-1026	0.4	1
54	Grain Refinement in Austenitic Stainless Steel during Warm Screw Rolling. <i>Materials Science Forum</i> , 2012 , 715-716, 889-894	0.4	1
53	Dynamic polygonization in 9%Cr heat resistant steel. <i>Journal of Physics: Conference Series</i> , 2010 , 240, 012070	0.3	1
52	Microstructure Evolution in a Cu-Ag Alloy during Large Strain Deformation and Annealing. <i>Materials Science Forum</i> , 2010 , 667-669, 493-498	0.4	1
51	Microstructure Evolution in a 3%Co Modified P911 Heat Resistant Steel under Creep Conditions. <i>Advanced Materials Research</i> , 2010 , 89-91, 295-300	0.5	1
50	Plastic flow of the mechanically alloyed Fe-0.6%O at temperatures of 550-700°C. <i>Physics of Metals and Metallography</i> , 2009 , 107, 516-521	1.2	1
49	Migration of Dislocation Boundaries in a Modified P911 3%Co Heat Resistant Steel during Tempering, Ageing and Creep. <i>Materials Science Forum</i> , 2012 , 715-716, 953-958	0.4	1
48	Kinetics of Grain Refinement by Warm Deformation of 304-Type Stainless Steel. <i>Materials Science Forum</i> , 2012 , 706-709, 2326-2331	0.4	1
47	Effect of austenization temperature on creep resistance of steel 10Kh9V2MFBR. <i>Metal Science and Heat Treatment</i> , 2010 , 52, 166-170	0.6	1
46	Microstructure fragmentation in Fe-O alloy during severe plastic deformation. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 1274-1277	0.4	1
45	Evolution of Grain Boundaries and Subboundaries in Stainless Steel during Dynamic Recrystallization. <i>Materials Science Forum</i> , 2003 , 426-432, 1005-1010	0.4	1
44	Structural changes in corrosion-resistant steels during hot deformation. <i>Metal Science and Heat Treatment</i> , 1992 , 34, 324-329	0.6	1
43	Dynamic Recrystallization in Austenitic Stainless Steel during Hot Working with Decreasing Deformation Temperature. <i>Materials Performance and Characterization</i> , 2019 , 8, 20190012	0.5	1

42	Deformation and Recrystallization Textures in a High-Mn Steel Subjected to Large Strain Cold Rolling 2016 , 147-152		1
41	Effect of Deformation Structure on Strength of a Low Alloyed Cu-Cr-Zr Alloy. <i>Materials Science Forum</i> , 2016 , 879, 1332-1337	0.4	1
40	Kinetics of Submicrocrystalline Structure Formation in a Cu-Cr-Zr Alloy during Large Plastic Deformation. <i>Materials Science Forum</i> , 2016 , 879, 1749-1754	0.4	1
39	Austenitic Stainless Steel: Microstructural Evolution 2016 , 243-253		1
38	On friction stir welding of a medium manganese austenitic steel. <i>Philosophical Magazine</i> , 2021 , 101, 576-597		1
37	Effect of deformation techniques on the microstructure and mechanical properties of a copper alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012030	0.4	1
36	Microstructural Evolution and Strengthening of Stainless Steels During Cold Rolling 2018 , 341-347		1
35	Tensile behavior of an austenitic stainless steel subjected to multidirectional forging. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012063	0.4	0
34	Outstanding impact toughness of low-alloyed steel with fine lamellar microstructure. <i>Materials Letters</i> , 2021 , 303, 130547	3.3	0
33	Thermal stability of gradient microstructure in a low-alloyed Cu-Cr-Zr alloy. <i>Materials Letters</i> , 2021 , 304, 130531	3.3	0
32	Microstructures and Mechanical Properties of Steels and Alloys Subjected to Large-Strain Cold-to-Warm Deformation. <i>Metals</i> , 2022 , 12, 454	2.3	0
31	Effects of Initial Microstructure and Deformation Method on Grain Refinement in a Cu-Cr-Zr Alloy. <i>Materials Science Forum</i> , 2016 , 838-839, 308-313	0.4	
30	Superplastic Behavior of a Cu-Cr-Zr Alloy Subjected to ECAP. <i>Materials Science Forum</i> , 2016 , 838-839, 404-409	0.4	
29	On Primary Recrystallization of High-Mn Austenitic Steels. <i>Defect and Diffusion Forum</i> , 2018 , 385, 337-347		0.7
28	Microstructure evolution in a Cu-Cr-Zr alloy during warm intense plastic straining. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012094	0.4	
27	Ultrafine Grain Evolution in a Cu-Cr-Zr Alloy during Warm Multidirectional Forging. <i>Materials Science Forum</i> , 2014 , 783-786, 2683-2688	0.4	
26	Ultrafine Grain Evolution in Austenitic Stainless Steel during Large Strain Deformation and Subsequent Annealing. <i>Materials Science Forum</i> , 2012 , 715-716, 273-278	0.4	
25	Structural Changes in a 9%Cr Creep Resistant Steel during Creep Test. <i>Materials Science Forum</i> , 2012 , 715-716, 895-900	0.4	

- 24 Mechanisms of New Grain Formation in a Ni-20%Cr Alloy during Warm to Hot Working. *Materials Science Forum*, **2010**, 638-642, 2221-2226 0.4
- 23 Recrystallization Mechanisms Leading to the Formation of Nanoscale Grains in a Ni-20%Cr Alloy Subjected to Intense Plastic Deformation. *Materials Science Forum*, **2010**, 667-669, 349-354 0.4
- 22 Creep Behavior of an Oxide Dispersion Strengthened Iron with Ultrafine Grain Structure. *Materials Science Forum*, **2010**, 638-642, 3194-3199 0.4
- 21 Internal stresses in a 15%Cr ferritic stainless steel after large strain unidirectional processing. *Journal of Physics: Conference Series*, **2010**, 240, 012115 0.3
- 20 Microstructure Evolution in a P911 Steel under Creep Conditions. *Advanced Materials Research*, **2011**, 409, 223-227 0.5
- 19 Recrystallization Processes in a Ni-20%Cr Alloy Subjected to High-Pressure Torsion. *Materials Science Forum*, **2012**, 715-716, 309-314 0.4
- 18 Deformation Microstructures in a Two-Phase Stainless Steel during Large Strain Deformation. *Materials Science Forum*, **2006**, 503-504, 305-310 0.4
- 17 Recovery in 15%Cr Ferritic Stainless Steel after Large Strain Deformation. *Materials Science Forum*, **2007**, 558-559, 119-124 0.4
- 16 On Annealing Mechanisms Operating in Ultra Fine Grained Alloys **2005**, 780-785
- 15 Effect of Deformation Mechanisms on Dynamic Recrystallization of Ferrite Stainless Steel. *Key Engineering Materials*, **1995**, 97-98, 425-430 0.4
- 14 Two Types of Grain Boundaries in Deformed Materials. *Materials Science Forum*, **1996**, 207-209, 461-464 0.4
- 13 Annealed Microstructures in Mechanically Milled Fe-0.6%O Powders 558-563
- 12 Deformation Mechanisms Operating in TWIP/TRIP Steels Processed by Warm to Hot Working. *Acta Physica Polonica A*, **2018**, 134, 640-643 0.6
- 11 Deformation and Recrystallization Textures in A High-Mn Steel Subjected to Large Strain Cold Rolling **2016**, 147-152
- 10 Microstructure and Crystallographic Texture of Silicon Iron Modified by Torsion Under Quasihydrostatic Pressure. *Russian Physics Journal*, **2019**, 62, 1518-1528 0.7
- 9 Grain Orientation Spread in Dynamically Recrystallized Austenitic Steel. *Materials Science Forum*, **2016**, 50-55 0.4
- 8 Mechanical Behavior of High-Mn Steels Processed by Hot Rolling. *Materials Science Forum*, **2018**, 941, 299-304 0.4
- 7 Effect of Deformation Temperature on Microstructure and Mechanical Properties of Low-Alloyed Copper Alloy. *Materials Science Forum*, **2018**, 941, 982-987 0.4

6	Stability of the Ultrafine-Grained Structure of Austenitic Corrosion-Resistant Steels during Annealing. <i>Physics of Metals and Metallography</i> , 2021 , 122, 775-781	1.2
5	Microstructure of a low alloyed Cu-Cr-Zr alloy after ECAP-Conform. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012029	0.4
4	Effect of the deformation temperature on the deformation behavior of a Cu-Cr-Zr alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012033	0.4
3	Creep behavior and microstructure of a Ta-added 9%Cr steel with high B and low N contents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012055	0.4
2	Creep strength and microstructure of a modified P911-type steel weld joint. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012056	0.4
1	Cryogenic Impact Toughness of a Work Hardened Austenitic Stainless Steel. <i>Materialia</i> , 2022 , 101460	3.2