

Andrey Belyakov

List of Publications by Year in Descending Order

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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	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
220	Microstructure and Strengthening Mechanisms in an HSLA Steel Subjected to Tempforming. <i>Metals</i> , 2022 , 12, 48	2.3	3
219	Cryogenic Impact Toughness of a Work Hardened Austenitic Stainless Steel. <i>Materialia</i> , 2022 , 101460	3.2	
218	Peculiarities of DRX in a Highly-Alloyed Austenitic Stainless Steel. <i>Materials</i> , 2021 , 14,	3.5	3
217	On friction stir welding of a medium manganese austenitic steel. <i>Philosophical Magazine</i> , 2021 , 101, 576-597		1
216	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
215	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	
214	Outstanding impact toughness of low-alloyed steel with fine lamellar microstructure. <i>Materials Letters</i> , 2021 , 303, 130547	3.3	0
213	Thermal stability of gradient microstructure in a low-alloyed Cu-Cr-Zr alloy. <i>Materials Letters</i> , 2021 , 304, 130531	3.3	0
212	On the transformation-induced plasticity of a medium-manganese steel. <i>Materials Letters</i> , 2021 , 304, 130599	3.3	4
211	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	
210	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	
209	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	
208	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	
207	Microstructural Changes and Strengthening of Austenitic Stainless Steels during Rolling at 473 K. <i>Metals</i> , 2020 , 10, 1614	2.3	9
206	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
205	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

204	Controlling microstructure and mechanical properties of additively manufactured high-strength steels by tailored solidification. <i>Additive Manufacturing</i> , 2020 , 35, 101389	6.1	8
203	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
202	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
201	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
200	Tempforming as an Advanced Processing Method for Carbon Steels. <i>Metals</i> , 2020 , 10, 1566	2.3	7
199	Hot Deformation and Dynamic Recrystallization of 18%Mn Twinning-Induced Plasticity Steels. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000098	3.5	2
198	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
197	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
196	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
195	On Kinetics of Grain Refinement and Strengthening by Dynamic Recrystallization. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800104	3.5	12
194	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
193	Improving Mechanical Properties of 18%Mn TWIP Steels by Cold Rolling and Annealing. <i>Metals</i> , 2019 , 9, 776	2.3	4
192	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
191	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
190	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
189	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
188	Microstructure and Crystallographic Texture of Silicon Iron Modified by Torsion Under Quasihydrostatic Pressure. <i>Russian Physics Journal</i> , 2019 , 62, 1518-1528	0.7	
187	Grain refinement and strengthening of austenitic stainless steels during large strain cold rolling. <i>Philosophical Magazine</i> , 2019 , 99, 531-556	1.6	15

186	Dynamically Recrystallized Microstructures, Textures, and Tensile Properties of a Hot Worked High-Mn Steel. <i>Metals</i> , 2019 , 9, 30	2.3	8
185	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
184	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
183	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
182	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
181	On Primary Recrystallization of High-Mn Austenitic Steels. <i>Defect and Diffusion Forum</i> , 2018 , 385, 337-342	7	
180	Annealing Behavior and Kinetics of Primary Recrystallization of Copper. <i>Defect and Diffusion Forum</i> , 2018 , 385, 343-348	0.7	4
179	Microstructure and Mechanical Properties of an Ultrafine Grained Medium-Mn Steel. <i>Defect and Diffusion Forum</i> , 2018 , 385, 308-313	0.7	3
178	Deformation Behavior of High-Mn TWIP Steels Processed by Warm-to-Hot Working. <i>Metals</i> , 2018 , 8, 415-423	2.3	6
177	Deformation Mechanisms Operating in TWIP/TRIP Steels Processed by Warm to Hot Working. <i>Acta Physica Polonica A</i> , 2018 , 134, 640-643	0.6	
176	Microstructural Evolution and Strengthening of Stainless Steels During Cold Rolling 2018 , 341-347		1
175	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
174	Mechanical Behavior of High-Mn Steels Processed by Hot Rolling. <i>Materials Science Forum</i> , 2018 , 941, 299-304	0.4	
173	Effect of Deformation Temperature on Microstructure and Mechanical Properties of Low-Alloyed Copper Alloy. <i>Materials Science Forum</i> , 2018 , 941, 982-987	0.4	
172	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
171	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
170	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
169	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

168	Development of Bn 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
167	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
166	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
165	Effect of Tungsten on Creep Behavior of 9%CrB%Co Martensitic Steels. <i>Metals</i> , 2017 , 7, 573	2.3	16
164	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
163	Hall-Petch relationship for austenitic stainless steels processed by large strain warm rolling. <i>Acta Materialia</i> , 2017 , 136, 39-48	8.4	59
162	Structure and Mechanical and Corrosion Properties of a Magnesium Mg ₇₀ Ni ₁₀ Zr Alloy after High Pressure Torsion. <i>Russian Metallurgy (Metally)</i> , 2017 , 2017, 912-921	0.5	20
161	Grain Refinement Kinetics in a Low Alloyed Cu-Cr-Zr Alloy Subjected to Large Strain Deformation. <i>Materials</i> , 2017 , 10,	3.5	17
160	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
159	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
158	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
157	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
156	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	
155	On Regularities of Grain Refinement through Large Strain Deformation. <i>Materials Science Forum</i> , 2016 , 838-839, 314-319	0.4	3
154	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
153	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
152	Superplastic Behavior of a Cu-Cr-Zr Alloy Subjected to ECAP. <i>Materials Science Forum</i> , 2016 , 838-839, 404-409	0.4	
151	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

150	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
149	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
148	Grain refinement kinetics and strengthening mechanisms in Cu0.3Cr0.5Zr 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
147	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
146	Strengthening of age-hardenable WE43 magnesium alloy processed by high pressure torsion. <i>Materials Letters</i> , 2016 , 170, 5-9	3.3	40
145	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
144	Deformation and Recrystallization Textures in a High-Mn Steel Subjected to Large Strain Cold Rolling 2016 , 147-152		1
143	On Strengthening of Austenitic Stainless Steel by Large Strain Cold Working. <i>ISIJ International</i> , 2016 , 56, 1289-1296	1.7	19
142	Grain Boundary Assemblies in Dynamically-Recrystallized Austenitic Stainless Steel. <i>Metals</i> , 2016 , 6, 268	2.3	9
141	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
140	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
139	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
138	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
137	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
136	Effect of Tempering on Microstructure and Creep Properties of P911 Steel. <i>Materials Science Forum</i> , 2016 , 879, 1963-1968	0.4	5
135	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
134	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
133	Deformation and Recrystallization Textures in A High-Mn Steel Subjected to Large Strain Cold Rolling 2016 , 147-152		

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	Austenitic Stainless Steel: Microstructural Evolution 2016 , 243-253		1
130	Sources of high creep resistance of modern high-chromium martensitic steels. <i>Doklady Physical Chemistry</i> , 2015 , 464, 191-193	0.8	14
129	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
128	Microstructural evolution of a 304-type austenitic stainless steel during rolling at temperatures of 773-1273 K. <i>Acta Materialia</i> , 2015 , 82, 244-254	8.4	103
127	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
126	Development of Nanocrystalline 304L Stainless Steel by Large Strain Cold Working. <i>Metals</i> , 2015 , 5, 656-668	6.8	46
125	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
124	Deformation microstructures, strengthening mechanisms, and electrical conductivity in a Cu-Cr-Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 629, 29-40	5.3	100
123	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
122	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
121	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
120	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
119	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	
118	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
117	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	
116	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
115	Microstructure evolution and strengthening mechanisms of Fe-3Mn-0.3C-0.5Al TWIP steel during cold rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 617, 52-60	5.3	91

114	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
113	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
112	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
111	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
110	∑ 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
109	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
108	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
107	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
106	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
105	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
104	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
103	Grain refinement in a CuCrZr alloy during multidirectional forging. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 606, 380-389	5.3	52
102	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
101	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
100	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
99	Evolution of texture and development of ∑n grain clusters in 316 austenitic stainless steel during thermal mechanical processing. <i>Journal of Materials Science</i> , 2013 , 48, 997-1004	4.3	14
98	The crystallography of M ₂₃ C ₆ carbides in a martensitic 9% Cr steel after tempering, aging and creep. <i>Philosophical Magazine</i> , 2013 , 93, 2259-2268	1.6	34
97	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

96	Microstructure Evolution in an Advanced 9 pct Cr Martensitic Steel during Creep at 923 K (650 ℃). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 128-135	2.3	39
95	Wear resistance and electroconductivity in copper processed by severe plastic deformation. <i>Wear</i> , 2013 , 305, 89-99	3.5	70
94	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
93	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
92	Structural changes of tempered martensitic 9%Cr-1%W-1%Co steel during creep at 650℃. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 534, 632-639	5.3	88
91	Recrystallization behavior of a Ni-20%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
90	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
89	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
88	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
87	Grain Refinement in Austenitic Stainless Steel during Warm Screw Rolling. <i>Materials Science Forum</i> , 2012 , 715-716, 889-894	0.4	1
86	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	
85	Zener Pinning Pressure in Tempered Martensite Lath Structure. <i>Materials Science Forum</i> , 2012 , 715-716, 745-750	0.4	3
84	Structural Changes in a 9%Cr Creep Resistant Steel during Creep Test. <i>Materials Science Forum</i> , 2012 , 715-716, 895-900	0.4	
83	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
82	Recrystallization Processes in a Ni-20%Cr Alloy Subjected to High-Pressure Torsion. <i>Materials Science Forum</i> , 2012 , 715-716, 309-314	0.4	
81	Dynamic Recrystallization Mechanisms Operating under Different Processing Conditions. <i>Materials Science Forum</i> , 2012 , 706-709, 2704-2709	0.4	4
80	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
79	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

78	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
77	Structural strengthening of an austenitic stainless steel subjected to warm-to-hot working. <i>Materials Characterization</i> , 2011 , 62, 432-437	3.9	56
76	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
75	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
74	Microstructure Evolution in a P911 Steel under Creep Conditions. <i>Advanced Materials Research</i> , 2011 , 409, 223-227	0.5	
73	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
72	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
71	Mechanisms of New Grain Formation in a Ni-20%Cr Alloy during Warm to Hot Working. <i>Materials Science Forum</i> , 2010 , 638-642, 2221-2226	0.4	
70	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
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65	Dynamic polygonization in 9%Cr heat resistant steel. <i>Journal of Physics: Conference Series</i> , 2010 , 240, 012070	0.3	1
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53	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
52	Tensile behaviour of submicrocrystalline ferritic steel processed by large-strain deformation. <i>Philosophical Magazine Letters</i> , 2009 , 89, 201-212	1	22
51	Regularities of Deformation Microstructures in Ferritic Stainless Steels during Large Strain Cold Working. <i>ISIJ International</i> , 2008 , 48, 1071-1079	1.7	19
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35	Recovery and Recrystallization in Cold Worked Fe-0.6%O Steels. <i>Materials Science Forum</i> , 2004 , 467-470, 229-234	0.4	2
34	Effect of Nano-Sized Oxides on Annealing Behaviour of Ultrafine Grained Steels. <i>Materials Transactions</i> , 2004 , 45, 2252-2258	1.3	9
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32	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
31	Evolution of grain boundary assemblies in Fe-0.6%O under mechanical milling followed by consolidating rolling. <i>Scripta Materialia</i> , 2003 , 48, 1111-1116	5.6	8
30	Annealing softening mechanisms operating in cold worked oxide-bearing steels. <i>Scripta Materialia</i> , 2003 , 48, 1463-1468	5.6	5
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