Eg Astafurova

List of Publications by Year
in descending order

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129	988	430754	526166
papers	citations	18	27
		h-index	g-index

130	130	130	539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Ion-Plasma Nitriding on Phase Composition and Tensile Properties of AISI 321-Type Stainless Steel Produced by Wire-Feed Electron-Beam Additive Manufacturing. Metals, 2022, 12, 176.	1.0	5
2	Hydrogen embrittlement of the additively manufactured Nb-free and Nb-alloyed austenitic steels. AIP Conference Proceedings, 2022, , .	0.3	0
3	Thermo-Mechanical Processing and Additive Manufacturing of Steels. Metals, 2022, 12, 731.	1.0	0
4	Microstructure and mechanical properties of Nb-alloyed austenitic CrNi steel fabricated by wire-feed electron beam additive manufacturing. Materials Characterization, 2022, 190, 112063.	1.9	9
5	Microstructural effect on hydrogen embrittlement of high nitrogen chromium-manganese steel. , 2022, 25, 84-97.		0
6	The effect of nitrogen alloying on hydrogen-assisted plastic deformation and fracture in FeMnNiCoCr high-entropy alloys. Scripta Materialia, 2021, 194, 113642.	2.6	24
7	A comparative study of a solid solution hardening in carbon-alloyed FeMnCrNiCo0.95C0.05 high-entropy alloy subjected to different thermalâ€“mechanical treatments. Materials Letters, 2021, 285, 129073.	1.3	16
8	The Effect of Hydrogen-Charging on Mechanical Properties of Austenitic CrNi Steel Fabricated by Wire-Feed Electron Beam Additive Manufacturing. E3S Web of Conferences, 2021, 225, 01011.	0.2	2
9	Advanced high-strength AA5083 welds by high-speed hybrid laser-arc welding. Materials Letters, 2021, 291, 129594.	1.3	10
10	Influence of hydrogen saturation on the structure and mechanical properties of Fe-17Cr-13Ni-3Mo-0.01C austenitic steel during rolling at different temperatures. Metal Working and Material Science, 2021, 23, 81-97.	0.0	0
11	Phase Composition of Austenitic Stainless Steels in Additive Manufacturing: A Review. Metals, 2021, 11, 1052.	1.0	40
12	The microstructure, phase composition and tensile properties of austenitic stainless steel in a wire-feed electron beam melting combined with ultrasonic vibration. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 820, 141519.	2.6	19
13	The influence of intergranular and interphase boundaries and Î´-ferrite volume fraction on hydrogen embrittlement of high-nitrogen steel. International Journal of Hydrogen Energy, 2021, 46, 30510-30522.	3.8	9
14	The grain size-dependent control of the phase composition in ion-plasma treated 316L stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 823, 141777.	2.6	1
15	Effect of electrolytic hydrogen saturation on deformation mechanisms of Fe-17Cr-13Ni-3Mo-0.01C austenitic stainless steel during cold rolling. Letters on Materials, 2021, 11, 285-290.	0.2	0
16	Electron-beam additive manufacturing of high-nitrogen steel: Microstructure and tensile properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 826, 141951.	2.6	13
17	Stable high-nickel austenitic steel produced by electron beam additive manufacturing using dual wire-feed system. Materials Letters, 2021, 305, 130863.	1.3	7
18	The effect of thin surface layer of nitrogen-expanded austenite on bulk Î³-Î±â€™ phase transformation in low-temperature deformation of 316L stainless steel. Materials Letters, 2021, 304, 130676.	1.3	4

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19	The Effect of Phase Transformations During Electrom-Beam 3D-Printing and Post-Built Heat Treatment on Plastic Deformation and Fracture of Additively Manufactured High Nitrogen Crâ€“Mn Steel. Russian Physics Journal, 2021, 64, 1183-1190.	0.2	2
20	Influence of thermal and thermal-mechanical treatments on microstructure and mechanical properties of the multicomponent alloy FeCrMnNiCo0.85C0.15. Letters on Materials, 2021, 11, 375-381.	0.2	1
21	Microstructure and mechanical properties of low-carbon steel fabricated by electron-beam additive manufacturing. Letters on Materials, 2021, 11, 427-432.	0.2	3
22	Temperature Dependence of Mechanical Properties and Plastic Flow Behavior of Cast Multicomponent Alloys Fe20Cr20Mn20Ni20Co20-xCx (x = 0, 1, 3, 5). Physical Mesomechanics, 2021, 24, 674-683.	1.0	7
23	The effect of solid-solution temperature on phase composition, tensile characteristics and fracture mechanism of V-containing CrMn-steels with high interstitial content C+N>1 mass. %. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 770, 138534.	2.6	18
24	Stabilization of austenitic structure in transition zone of â€œaustenitic stainless steel/NiCr alloyâ€•joint fabricated by wire-feed electron beam melting. Materials Letters, 2020, 277, 128321.	1.3	14
25	The Effect of Thermo-Mechanical Processing Regime on High-Temperature Tensile Properties of V-Alloyed High-Nitrogen Steel. Solid State Phenomena, 2020, 306, 53-61.	0.3	1
26	The Influence of Phase Composition and Phase Distribution on Crack Formation and Fracture Mechanisms of Crâ€“Ni Steels Produced by the Method of 3D Electron-Beam Printing. Russian Physics Journal, 2020, 63, 917-925.	0.2	2
27	A Comparison of Strengthening Mechanisms of Austenitic Fe-13Mn-1.3C Steel in Warm and Cold High-Pressure Torsion. Metals, 2020, 10, 493.	1.0	4
28	On the difference in carbon- and nitrogen-alloying of equiatomic FeMnCrNiCo high-entropy alloy. Materials Letters, 2020, 276, 128183.	1.3	26
29	Microstructure and grain growth inhomogeneity in austenitic steel produced by wire-feed electron beam melting: the effect of post-building solid-solution treatment. Journal of Materials Science, 2020, 55, 9211-9224.	1.7	41
30	On Temperature Dependence of Microstructure, Deformation Mechanisms and Tensile Properties in Austenitic Cr-Mn Steel with Ultrahigh Interstitial Content C + N = 1.9 Mass.%. Metals, 2020, 10, 786.	1.0	2
31	On the Superplastic Deformation in Vanadium-Alloyed High-Nitrogen Steel. Metals, 2020, 10, 27.	1.0	3
32	Gradient transition zone structure in â€œsteelâ€“copperâ€•sample produced by double wire-feed electron beam additive manufacturing. Journal of Materials Science, 2020, 55, 9258-9272.	1.7	62
33	THE EFFECT OF NIOBIUM ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF AUSTENITIC CrNi STEEL PRODUCED BY WIRE-FEED ELECTRON BEAM ADDITIVE MANUFACTURING. Nanoscience and Technology, 2020, 11, 109-118.	0.6	4
34	Microstructure and phase composition of high-nitrogen steel fabricated by electron beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.3	1
35	The effect of hydrogen charging on the mechanical properties and fracture mechanisms of high-nitrogen chromium-manganese steels after age-hardening. Vektor Nauki Tol Yattinskogo Gosudarstvennogo Universiteta, 2020, , 57-67.	0.1	0
36	The influence of age hardening on microstructure, phase composition, and microhardness of high-nitrogen austenitic steel. Vektor Nauki Tol Yattinskogo Gosudarstvennogo Universiteta, 2020, , 74-81.	0.1	0

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37	On the influence of strain rate and deformation temperature on the peculiarities of plastic flow in vanadium-alloyed austenitic steel with high interstitial content. AIP Conference Proceedings, 2020, , .	0.3	0
38	Mechanical properties and fracture micromechanisms in 316L stainless steel subjected to ion-plasma treatment with mixture of N, H and Ar gases. AIP Conference Proceedings, 2020, , .	0.3	0
39	The change in solidification mode and phase composition in â€œ321 stainless Steel/NiCr Alloyâ€•joint produced by Wire-feed electron beam melting. AIP Conference Proceedings, 2020, , .	0.3	0
40	The peculiarities of hydrogen embrittlement of Nb-alloyed stainless steel fabricated by electron-beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.3	0
41	Peculiarities of tensile deformation and fracture of high-nitrogen steel obtained by electron beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.3	0
42	Effect of the precipitation hardening on regularities of plastic deformation and fracture mode of V-alloyed high nitrogen austenitic steel. Vektor Nauki Tol Yattinskogo Gosudarstvennogo Universiteta, 2020, , 42-50.	0.1	0
43	Microstructure/mechanical properties relationship in high-nitrogen steel obtained by electron beam additive manufacturing and conventional casting. AIP Conference Proceedings, 2020, , .	0.3	0
44	Microstructure and phase composition of vanadium-alloyed high-nitrogen steel fabricated by additive manufacturing. AIP Conference Proceedings, 2020, , .	0.3	2
45	Effect of annealing on microhardness and phase composition of high-manganese austenitic steels with twinning-associated microstructures produced by high-pressure torsion. AIP Conference Proceedings, 2019, , .	0.3	1
46	The effect of age-hardening mechanism on hydrogen embrittlement in high-nitrogen steels. International Journal of Hydrogen Energy, 2019, 44, 20529-20544.	3.8	11
47	Hydrogen Embrittlement of Austenitic Stainless Steels with Ultrafine-Grained Structures of Different Morphologies. Physical Mesomechanics, 2019, 22, 313-326.	1.0	27
48	A role of initial microstructure in characteristics of the surface layers produced by ion-plasma treatment in CrNiMo austenitic stainless steel. Materials Characterization, 2019, 153, 372-380.	1.9	11
49	The strain-rate dependence of the Hall-Petch effect in two austenitic stainless steels with different stacking fault energies. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 756, 365-372.	2.6	58
50	The effect of solid-solution temperature on phase composition and tensile properties of vanadium-alloyed high interstitial steels. AIP Conference Proceedings, 2019, , .	0.3	0
51	A comparative study of the macroscopical and microscopical fracture mechanisms in cast and additively manufactured austenitic stainless steels. AIP Conference Proceedings, 2019, , .	0.3	2
52	Effect of stacking fault energy on Hallâ€“Petch relationship parameters of austenitic stainless steels. AIP Conference Proceedings, 2019, , .	0.3	3
53	Peculiarities of Structure Formation in Copper/Steel Bimetal Fabricated by Electron-Beam Additive Technology. Russian Physics Journal, 2019, 62, 1486-1494.	0.2	20
54	On the influence of post-built heat treatment on strength and ductility of AISI 304 steel produced by electron-beam additive technology. AIP Conference Proceedings, 2019, , .	0.3	1

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55	Microstructural inhomogeneity of phase composition and grain structure in electron beam wire-feed additive manufactured AISI 304 stainless steel. AIP Conference Proceedings, 2019, , .	0.3	4
56	Low-temperature tensile ductility by V-alloying of high-nitrogen CrMn and CrNiMn steels: Characterization of deformation microstructure and fracture micromechanisms. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 745, 265-278.	2.6	20
57	The influence of prior deformation on phase composition and strength properties of austenitic stainless steel in ion-plasma treatment. Letters on Materials, 2019, 9, 377-381.	0.2	1
58	Anisotropy of the tensile properties in austenitic stainless steel obtained by wire-feed electron beam additive growth. Letters on Materials, 2019, 9, 460-464.	0.2	15
59	Hydrogen Embrittlement of Ultrafine-Grained Austenitic Stainless Steels. Reviews on Advanced Materials Science, 2018, 54, 25-45.	1.4	4
60	The Effect of Test Temperature on Deformation Microstructure and Fracture Mechanisms in CrMn High-Nitrogen Steels Alloyed (0-3 wt.%) with Vanadium. Materials Science Forum, 2018, 941, 27-32.	0.3	6
61	The effect of solution treatment regime on temperature dependence of 0.2% offset yield strength in V-alloyed high-nitrogen austenitic steel. AIP Conference Proceedings, 2018, , .	0.3	0
62	Effect of vanadium-alloying on hydrogen embrittlement of austenitic high-nitrogen steels. Procedia Structural Integrity, 2018, 13, 1053-1058.	0.3	3
63	Temperature Dependence of Tensile Deformation and Fracture Micromechanisms in V-Alloyed High-Nitrogen Steel: Effect of Solution-Treatment Temperature. Procedia Structural Integrity, 2018, 13, 1129-1134.	0.3	1
64	Effect of age hardening on phase composition and microhardness of V-free and V-alloyed high-nitrogen austenitic steels. AIP Conference Proceedings, 2018, , .	0.3	0
65	Influence of hydrogen-charging on microstructure and microhardness of high-nitrogen austenitic steel processed by high-pressure torsion. AIP Conference Proceedings, 2018, , .	0.3	1
66	The Influence of Warm abc-Pressing on the Structure and Mechanical Properties of Stable Chromium-Nickel-Molybdenum Steel. Russian Physics Journal, 2018, 61, 1062-1069.	0.2	1
67	Effect of Hydrogen Charging on Mechanical Twinning, Strain Hardening, and Fracture of â€¹111â€º and â€¹144â€º Hadfield Steel Single Crystals. Physical Mesomechanics, 2018, 21, 263-273.	1.0	4
68	The effect of hydrogen alloying on strain hardening and fracture of a high-nitrogen austenitic steel. Letters on Materials, 2018, 8, 71-76.	0.2	3
69	Effect of deformation temperature on the structural parameters, phase composition and microhardness of Fe-28Mn-2.7Al-1.3C steel single crystals processed by high-pressure torsion. Letters on Materials, 2018, 8, 178-183.	0.2	1
70	Influence of Hydrogen-Charging Regime on Strain Hardening and Deformation Mechanism of Hot-Rolled High-Nitrogen Austenitic Steel. Acta Physica Polonica A, 2018, 134, 760-764.	0.2	1
71	Effect of hydrogenation on mechanical properties and tensile fracture mechanism of a high-nitrogen austenitic steel. Journal of Materials Science, 2017, 52, 4224-4233.	1.7	7
72	Comparative study of shock-wave hardening and substructure evolution of 304L and Hadfield steels irradiated with a nanosecond relativistic high-current electron beam. Journal of Alloys and Compounds, 2017, 714, 232-244.	2.8	11

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73	Hydrogen-enhanced orientation dependence of stress relaxation and strain-aging in Hadfield steel single crystals. Scripta Materialia, 2017, 136, 101-105.	2.6	11
74	The Influence of the Thermomechanical Processing Regime on the Structural Evolution of Mo-Nb-Ti-V Microalloyed Steel Subjected to High-Pressure Torsion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3400-3409.	1.1	3
75	Strain hardening and fracture behavior during tension of directionally solidified high-nitrogen austenitic steel. AIP Conference Proceedings, 2017, , .	0.3	0
76	Influence of hydrogenation regime on structure, phase composition and mechanical properties of Fe18Cr9Ni0.5Ti0.08C steel in cold rolling. AIP Conference Proceedings, 2017, , .	0.3	1
77	Influence of thermomechanical treatments on mechanical properties and fracture mechanism of high-nitrogen austenitic steel. AIP Conference Proceedings, 2017, , .	0.3	0
78	Microhardness homogeneity and microstructure of high-nitrogen austenitic steel processed by high-pressure torsion. AIP Conference Proceedings, 2017, , .	0.3	2
79	Effect of rolling on phase composition and microhardness of austenitic steels with different stacking-fault energies. AIP Conference Proceedings, 2017, , .	0.3	0
80	Microstructural features and microhardness of Fe-Mo-Nb-V-C low-carbon steel processed by high-pressure torsion: The significance of the initial structural state. AIP Conference Proceedings, 2016, , .	0.3	0
81	Structure, phase composition and mechanical properties of austenitic steel Feâ€“18Crâ€“9Niâ€“0.5Tiâ€“0.08C subjected to chemical-deformation processing. AIP Conference Proceedings, 2016, , .	0.3	1
82	The effect of hydrogen on strain hardening and fracture mechanism of high-nitrogen austenitic steel. IOP Conference Series: Materials Science and Engineering, 2016, 140, 012005.	0.3	2
83	Evolution of grainâ€“subgrain structure and carbide subsystem upon annealing of a low-carbon low-alloy steel subjected to high-pressure torsion. Physics of Metals and Metallography, 2016, 117, 1101-1110.	0.3	0
84	Thermal stability of the microstructure of 12% chromium ferriticâ€“martensitic steels after long-term aging at high temperatures. Technical Physics, 2016, 61, 209-214.	0.2	20
85	Structureâ€“phase transformations and physical properties of ferriticâ€–martensitic 12% chromium steels EK-181 and ChS-139. Technical Physics, 2016, 61, 97-102.	0.2	15
86	Influence of ion nitriding regime on mechanical properties and fracture mechanism of austenitic steel subjected to different thermomechanical treatments. AIP Conference Proceedings, 2016, , .	0.3	0
87	Microstructure and mechanical properties of heat-resistant 12% Cr ferritic-martensitic steel EK-181 after thermomechanical treatment. AIP Conference Proceedings, 2015, , .	0.3	1
88	The effect of severe plastic deformation by high-pressure torsion on structure and phase composition of high-nitrogen austenitic steel. AIP Conference Proceedings, 2015, , .	0.3	0
89	Influence of rolling temperature on structure, phase composition and mechanical properties of austenitic steel Feâ€“17Crâ€“13Niâ€–3Mo. AIP Conference Proceedings, 2015, , .	0.3	3
90	The effect of hydrogenation on strain hardening and deformation mechanisms in ã€˜113ã€‰ single crystals of Hadfield steel. AIP Conference Proceedings, 2015, , .	0.3	0

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91	The influence of initial heat treatment of low-carbon steel Fe-Mo-Nb-V-C on peculiarities of ultrafine-grained structure in high-pressure torsion. AIP Conference Proceedings, 2015, , .	0.3	0
92	Effect of annealing in the range of thermal stability on structure peculiarities of steel Fe-Mo-Nb-V-0.08C processed by high-pressure torsion. Letters on Materials, 2015, 5, 432-436.	0.2	2
93	The influence of temperature on microstructure and microhardness in high-pressure torsion of low-carbon steel. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012133.	0.3	4
94	The influence of heat treatment on homogeneity of strength properties and structural peculiarities of low-carbon steel Fe-Mo-Nb-V-C processed by high-pressure torsion. , 2014, , .		1
95	Thermal stability of nanostructured Hadfield steel produced by high-pressure torsion. , 2014, , .		1
96	The microstructural stability of low-activation 12%-chromium ferritic-martensitic steel EK-181 during thermal aging. AIP Conference Proceedings, 2014, , .	0.3	2
97	The effect of hydrogenation on structure and strength properties of austenitic stainless steel Fe-18Cr-9Ni-Ti. , 2014, , .		0
98	The effect of tempering temperature on the features of phase transformations in the ferriticâ€“martensitic steel EK-181. Journal of Nuclear Materials, 2014, 455, 496-499.	1.3	7
99	The effect of heat treatment on the microstructure and mechanical properties of heat-resistant ferriticâ€“martensitic steel EK-181. Journal of Nuclear Materials, 2014, 455, 665-668.	1.3	13
100	Microstructure and mechanical response of single-crystalline high-manganese austenitic steels under high-pressure torsion: The effect of stacking-fault energy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 604, 166-175.	2.6	33
101	The effect of high-pressure torsion on microstructure and strength properties of high-nitrogen austenitic steel. Letters on Materials, 2014, 4, 269-272.	0.2	1
102	The Effect of Heat-Treatment Modes on Microstructure of Reduced-Activation Ferritic-Martensitic Steel EK-181. Russian Physics Journal, 2013, 56, 542-545.	0.2	6
103	Annealing behavior of ultrafine grained structure in low-carbon steel produced by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 581, 104-107.	2.6	37
104	Grain refinement and mechanical properties of low-carbon steel by means of equal channel angular pressing and annealing. International Journal of Materials Research, 2013, 104, 457-461.	0.1	3
105	Structural features and mechanical properties of austenitic Hadfield steel after high-pressure torsion and subsequent high-temperature annealing. Physics of Metals and Metallography, 2012, 113, 612-620.	0.3	4
106	Microstructure of EK-181 ferritic-martensitic steel after heat treatment under various conditions. Technical Physics, 2012, 57, 48-54.	0.2	20
107	Structure and mechanical properties of low-carbon ferrite-pearlite steel after severe plastic deformation and subsequent high-temperature annealing. Physical Mesomechanics, 2011, 14, 195-203.	1.0	19
108	The role of twinning on microstructure and mechanical response of severely deformed single crystals of high-manganese austenitic steel. Materials Characterization, 2011, 62, 588-592.	1.9	30

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109	Mechanical properties and fracture behavior of ferritic-perlitic steel Fe-Mn-V-Ti-C subjected to equal channel angular pressing and high-temperature annealing. Inorganic Materials: Applied Research, 2011, 2, 370-376.	0.1	0
110	Effect of high-temperature annealing on the microstructure and mechanical properties of ferritic-pearlitic steel 10G2FT subjected to equal-channel angular pressing. Physics of Metals and Metallography, 2011, 111, 62-71.	0.3	4
111	Influence of equal-channel angular pressing on the structure and mechanical properties of low-carbon steel 10G2FT. Physics of Metals and Metallography, 2010, 110, 260-268.	0.3	20
112	Ductile-to-Brittle transition in âŒ©111âŒª hadfield steel single crystals. Russian Metallurgy (Metally), 2010, 2010, 857-861.	0.1	1
113	Hydrogen-induced twinning in âŒ©001âŒª Hadfield steel single crystals. Scripta Materialia, 2010, 63, 1189-1192	2.6	46
114	The Evolution of Structure and Mechanical Properties of Fe-Mn-V-Ti-0,1C Low-Carbon Steel Subjected to Severe Plastic Deformation and Subsequent Annealing. Materials Science Forum, 2010, 667-669, 325-330.	0.3	1
115	Strain localization in <111> single crystals of Hadfield steel under compressive load. Journal of Physics: Conference Series, 2010, 240, 012018.	0.3	2
116	The influence of severe plastic deformation by high pressure torsion on structure and mechanical properties of Hadfield steel single crystals. Journal of Physics: Conference Series, 2010, 240, 012139.	0.3	4
117	The effect of aluminum alloying on ductile-to-brittle transition in Hadfield steel single crystal. International Journal of Fracture, 2009, 160, 143-149.	1.1	12
118	Structural and phase transformations in nanostructured 0.1% C-Mn-V-Ti steel during cold deformation by high pressure torsion and subsequent heating. Nanotechnologies in Russia, 2009, 4, 109-120.	0.7	17
119	[illegible] hiov2DGi1BTfMBaeXatLxBI9gBaerbd9wDYLwzYbltLDharqqtubsr % 4rNCHbGeaGqiVu0Je9sqqrpepC0xbbL8F4rqqrFfpeea0xe9Lq-Jc9 % vqaqpepm0xbba9pwe9Q8fs0-yqaqpepae9pg0FirpepeKkFr0xfr-x % [illegible]	0.3	7
120	Microstructural Characterization of Low-Carbon Steel Processed by High Pressure Torsion and Annealing. Materials Science Forum, 2008, 584-586, 649-654.	0.3	7
121	The influence of orientation and aluminium content on the deformation mechanisms of Hadfield steel single crystals. International Journal of Materials Research, 2007, 98, 144-149.	0.1	17
122	Shape memory effect and superelasticity in single-phase nickel titanium single crystals. European Physical Journal Special Topics, 2004, 115, 175-183.	0.2	1
123	The effect of aluminium on mechanical properties and deformation mechanisms of hadfield steel single crystals. European Physical Journal Special Topics, 2004, 115, 243-250.	0.2	1
124	Shape memory effects in FeNiCoTi single crystals undergoing Î³ â†” Î±â€² thermoelastic martensitic transformations. Doklady Physics, 2004, 49, 47-50.	0.2	9
125	Deformation mechanisms and strain hardening of Hadfield-steel single crystals alloyed with aluminum. Doklady Physics, 2002, 47, 515-517.	0.2	6
126	High-Strength Single Crystals of Austenitic Stainless Steels with Nitrogen Content: Mechanisms of Deformation and Fracture. Materials Science Forum, 1999, 318-320, 395-400.	0.3	16

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127	The Evolution of Structure and Mechanical Properties of Fe-Mn-V-Ti-0,1C Low-Carbon Steel Subjected to Severe Plastic Deformation and Subsequent Annealing. Materials Science Forum, 0, 715-716, 994-999.	0.3	1
128	Effect of Grain Refinement on the Elemental Composition and Nanohardness of the Surface Layers in AISI 316L Austenitic Steel Subjected to Ion-Plasma Hardening. Defect and Diffusion Forum, 0, 385, 267-272.	0.4	4
129	Hydrogen-Assisted Fracture Mechanisms in Ultrafine-Grained CrNi Austenitic Stainless Steels with Different Initial Microstructures. Materials Science Forum, 0, 941, 370-375.	0.3	0