

Ksenia Reunova

List of Publications by Year in descending order

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25
papers

138
citations

1478505

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docs citations

25
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and grain growth inhomogeneity in austenitic steel produced by wire-feed electron beam melting: the effect of post-building solid-solution treatment. <i>Journal of Materials Science</i> , 2020, 55, 9211-9224.	3.7	41
2	A comparative study of a solid solution hardening in carbon-alloyed FeMnCrNiCo _{0.95} C _{0.05} high-entropy alloy subjected to different thermal–mechanical treatments. <i>Materials Letters</i> , 2021, 285, 129073.	2.6	16
3	Structure Formation in Vanadium-Alloyed Chromium-Manganese Steel with a High Concentration of Interstitial Atoms C + N = 1.9 wt % during Electron-Beam Additive Manufacturing. <i>Physical Mesomechanics</i> , 2022, 25, 1-11.	1.9	16
4	Electron-beam additive manufacturing of high-nitrogen steel: Microstructure and tensile properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 826, 141951.	5.6	13
5	Microstructure and mechanical properties of Nb-alloyed austenitic CrNi steel fabricated by wire-feed electron beam additive manufacturing. <i>Materials Characterization</i> , 2022, 190, 112063.	4.4	9
6	Thermoelastic Martensitic Transformations in Single Crystals of FeNiCoAlX(B) Alloys. <i>Russian Physics Journal</i> , 2016, 58, 1549-1556.	0.4	8
7	Temperature Dependence of Mechanical Properties and Plastic Flow Behavior of Cast Multicomponent Alloys Fe ₂₀ Cr ₂₀ Mn ₂₀ Ni ₂₀ Co _{20-x} C _x (x = 0, 1, 3, 5). <i>Physical Mesomechanics</i> , 2021, 24, 674-683.	1.9	7
8	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. <i>Metals</i> , 2022, 12, 176.	2.3	5
9	THE EFFECT OF NIOBIUM ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF AUSTENITIC CrNi STEEL PRODUCED BY WIRE-FEED ELECTRON BEAM ADDITIVE MANUFACTURING. <i>Nanoscience and Technology</i> , 2020, 11, 109-118.	1.8	4
10	Shape memory effect and superelasticity in single crystals of iron-based alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 93, 012044.	0.6	3
11	On the Superplastic Deformation in Vanadium-Alloyed High-Nitrogen Steel. <i>Metals</i> , 2020, 10, 27.	2.3	3
12	Microstructure and mechanical properties of low-carbon steel fabricated by electron-beam additive manufacturing. <i>Letters on Materials</i> , 2021, 11, 427-432.	0.7	3
13	The Influence of Phase Composition and Phase Distribution on Crack Formation and Fracture Mechanisms of Cr–Ni Steels Produced by the Method of 3D Electron-Beam Printing. <i>Russian Physics Journal</i> , 2020, 63, 917-925.	0.4	2
14	On Temperature Dependence of Microstructure, Deformation Mechanisms and Tensile Properties in Austenitic Cr-Mn Steel with Ultrahigh Interstitial Content C + N = 1.9 Mass.%. <i>Metals</i> , 2020, 10, 786.	2.3	2
15	Microstructure and phase composition of vanadium-alloyed high-nitrogen steel fabricated by additive manufacturing. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2
16	The Effect of Phase Transformations During Electron-Beam 3D-Printing and Post-Built Heat Treatment on Plastic Deformation and Fracture of Additively Manufactured High Nitrogen Cr–Mn Steel. <i>Russian Physics Journal</i> , 2021, 64, 1183-1190.	0.4	2
17	Microstructure and phase composition of high-nitrogen steel fabricated by electron beam additive manufacturing. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
18	Influence of thermal and thermal-mechanical treatments on microstructure and mechanical properties of the multicomponent alloy FeCrMnNiCo _{0.85} C _{0.15} . <i>Letters on Materials</i> , 2021, 11, 375-381.	0.7	1

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19	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.	0.7	0
20	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, , .	0.4	0
21	The change in solidification mode and phase composition in 321 stainless Steel/NiCr Alloy joint produced by Wire-feed electron beam melting. AIP Conference Proceedings, 2020, , .	0.4	0
22	The peculiarities of hydrogen embrittlement of Nb-alloyed stainless steel fabricated by electron-beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.4	0
23	Peculiarities of tensile deformation and fracture of high-nitrogen steel obtained by electron beam additive manufacturing. AIP Conference Proceedings, 2020, , .	0.4	0
24	Microstructure/mechanical properties relationship in high-nitrogen steel obtained by electron beam additive manufacturing and conventional casting. AIP Conference Proceedings, 2020, , .	0.4	0
25	Hydrogen embrittlement of the additively manufactured Nb-free and Nb-alloyed austenitic steels. AIP Conference Proceedings, 2022, , .	0.4	0