Sergey Konovalov

List of Publications by Year
in descending order

285	1,900	257450 24	414414 32
papers	citations	h-index	g-index

290	290	290	891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cold Metal Transfer (CMT) Based Wire and Arc Additive Manufacture (WAAM) System. Journal of Surface Investigation, 2018, 12, 1278-1284.	0.5	74
2	In-situ wire-feed additive manufacturing of Cu-Al alloy by addition of silicon. Applied Surface Science, 2019, 487, 1366-1375.	6.1	60
3	The fabrication of NiTi shape memory alloy by selective laser melting: a review. Rapid Prototyping Journal, 2019, 25, 1421-1432.	3.2	55
4	The microstructure and properties of nanostructured Cr-Al alloying layer fabricated by high-current pulsed electron beam. Vacuum, 2019, 167, 263-270.	3.5	54
5	Additive Manufacturing Based on Welding Arc: A low-Cost Method. Journal of Surface Investigation, 2017, 11, 1317-1328.	0.5	49
6	Microstructural evolution and mechanical properties of deep cryogenic treated Cuâ€“Alâ€“Si alloy fabricated by Cold Metal Transfer (CMT) process. Materials Characterization, 2020, 159, 110011.	4.4	42
7	Structure and properties changes of Al-Si alloy treated by pulsed electron beam. Materials Letters, 2018, 229, 377-380.	2.6	41
8	Effects of strain rate on the hot deformation behavior and dynamic recrystallization in China low activation martensitic steel. Fusion Engineering and Design, 2016, 103, 21-30.	1.9	39
9	Formation of surface gradient structural-phase states under electron-beam treatment of stainless steel. Journal of Surface Investigation, 2011, 5, 974-978.	0.5	38
10	Structural and phase changes under electropulse treatment of fatigue-loaded titanium alloy VT1-0. Journal of Materials Research and Technology, 2019, 8, 1300-1307.	5.8	36
11	Surface modification of Ti-based alloy by selective laser melting of Ni-based superalloy powder. Journal of Materials Research and Technology, 2020, 9, 8796-8807.	5.8	35
12	Mathematical Modeling of the Concentrated Energy Flow Effect on Metallic Materials. Metals, 2017, 7, 4.	2.3	33
13	Evolution of dislocation substructures in fatigue loaded and failed stainless steel with the intermediate electropulsing treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3040-3043.	5.6	32
14	Multicyclic fatigue of stainless steel treated by a high-intensity electron beam: surface layer structure. Russian Physics Journal, 2011, 54, 575-583.	0.4	31
15	Formation features of structure-phase states of Crâ€“Nbâ€“Câ€“V containing coatings on martensitic steel. Journal of Surface Investigation, 2016, 10, 1119-1124.	0.5	31
16	Modification of Structure and Surface Properties of Hypoeutectic Silumin by Intense Pulse Electron Beams. Progress in Physics of Metals, 2018, 19, 195-222.	1.5	31
17	Effect of electron-plasma alloying on structure and mechanical properties of Al-Si alloy. Applied Surface Science, 2019, 498, 143767.	6.1	29
18	Influence of contact potential difference and electric potential on the microhardness of metals. Physics of the Solid State, 2009, 51, 1137-1141.	0.6	28

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19	Fatigue life of silumin treated with a high-intensity pulsed electron beam. Journal of Surface Investigation, 2015, 9, 1056-1059.	0.5	27
20	Evolution of Alâ€“19Â·4Si alloy surface structure after electron beam treatment and high cycle fatigue. Materials Science and Technology, 2015, 31, 1523-1529.	1.6	27
21	Dislocation substructure evolution on Al creep under the action of the weak electric potential. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 858-861.	5.6	26
22	Evolution of the phase composition and defect substructure of rail steel subjected to high-intensity electron-beam treatment. Journal of Surface Investigation, 2013, 7, 990-995.	0.5	26
23	Increase in the fatigue durability of stainless steel by electron-beam surface treatment. Journal of Surface Investigation, 2013, 7, 94-98.	0.5	25
24	Improvement of copper alloy properties in electro-explosive spraying of ZnO-Ag coatings resistant to electrical erosion. Journal of Materials Research and Technology, 2019, 8, 5515-5523.	5.8	25
25	Control of austenite steel fatigue strength. International Journal of Fatigue, 2005, 27, 1186-1191.	5.7	23
26	On the influence of the electrical potential on the creep rate of aluminum. Physics of the Solid State, 2007, 49, 1457-1459.	0.6	23
27	Effect of Deposition Strategies on the Microstructure and Tensile Properties of Wire Arc Additive Manufactured Al-5Si Alloys. Journal of Materials Engineering and Performance, 2021, 30, 2136-2146.	2.5	21
28	Strengthening Mechanisms in CoCrFeNiX0.4 (Al, Nb, Ta) High Entropy Alloys Fabricated by Powder Plasma Arc Additive Manufacturing. Nanomaterials, 2021, 11, 721.	4.1	21
29	Research on the structure of Al2.1Co0.3Cr0.5FeNi2.1 high-entropy alloy at submicro- and nano-scale levels. Materials Letters, 2021, 294, 129717.	2.6	20
30	Evolution of Structure in AlCoCrFeNi High-Entropy Alloy Irradiated by a Pulsed Electron Beam. Metals, 2021, 11, 1228.	2.3	18
31	Model of nanostructure formation in Alâ€“Si alloy at electron beam treatment. Materials Research Express, 2019, 6, 026540.	1.6	17
32	Structural phase states and properties of rails after long-term operation. Materials Letters, 2020, 268, 127499.	2.6	17
33	Influence of Local Inhomogeneity of Thermomechanical Treatment Conditions on Microstructure Evolution in Aluminum Alloys. Journal of Materials Engineering and Performance, 2018, 27, 6780-6799.	2.5	16
34	Formation Mechanism of Micro- and Nanocrystalline Surface Layers in Titanium and Aluminum Alloys in Electron Beam Irradiation. Metals, 2020, 10, 1399.	2.3	16
35	Fatigue failure of stainless steel after electron-beam treatment. Steel in Translation, 2012, 42, 486-488.	0.3	15
36	Microstructure and mechanical properties of doped and electron-beam treated surface of hypereutectic Al-11.1%Si alloy. Journal of Materials Research and Technology, 2019, 8, 3835-3842.	5.8	15

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37	Structure and phase states modification of AL-11SI-2CU alloy processed by ion-plasma jet and pulsed electron beam. Surface and Coatings Technology, 2020, 383, 125246.	4.8	15
38	Research on Cu-6.6%Al-3.2%Si Alloy by Dual Wire Arc Additive Manufacturing. Journal of Materials Engineering and Performance, 2021, 30, 1694-1702.	2.5	15
39	Fatigue-Induced Evolution of AISI 310S Steel Microstructure after Electron Beam Treatment. Materials, 2020, 13, 4567.	2.9	14
40	Microstructural and mechanical characterisation of non-equiatomic Al_{2.1}Co_{0.3}Cr_{0.5}FeNi_{2.1}high-entropy alloy fabricated via wire-arc additive manufacturing. Philosophical Magazine Letters, 2021, 101, 353-359.	1.2	14
41	Modification of high-entropy alloy AlCoCrFeNi by electron beam treatment. Journal of Materials Research and Technology, 2021, 13, 787-797.	5.8	14
42	Effect of electron beam energy densities on the surface morphology and tensile property of additively manufactured Al-Mg alloy. Nuclear Instruments & Methods in Physics Research B, 2021, 498, 15-22.	1.4	14
43	Prospects for the Application of Surface Treatment of Alloys by Electron Beams in State-of-the-Art Technologies. Progress in Physics of Metals, 2020, 21, 345-362.	1.5	14
44	Investigation of Co-Cr-Fe-Mn-Ni Non-Equiatomic High-Entropy Alloy Fabricated by Wire Arc Additive Manufacturing. Metals, 2022, 12, 197.	2.3	14
45	Microstructure and mechanical properties of non-equiatomic Co25.4Cr15Fe37.9Mn3.5Ni16.8Si1.4 high-entropy alloy produced by wire-arc additive manufacturing. Materials Letters, 2022, 312, 131675.	2.6	14
46	Modification of Al-10Si-2Cu alloy surface by intensive pulsed electron beam. Journal of Materials Research and Technology, 2020, 9, 5591-5598.	5.8	13
47	Corrosion of Materials after Advanced Surface Processing, Joining, and Welding. International Journal of Corrosion, 2018, 2018, 1-3.	1.1	12
48	Effect of pulsed electron beam treatment on microstructure and functional properties of Al-5.4Si-1.3Cu alloy. Nuclear Instruments & Methods in Physics Research B, 2021, 488, 23-29.	1.4	12
49	Wave instability on the interface coating/substrate material under heterogeneous plasma flows. Journal of Materials Research and Technology, 2020, 9, 539-550.	5.8	11
50	Morphology and development dynamics of rolled steel products manufacturing defects during long-term operation in main gas pipelines. Engineering Failure Analysis, 2020, 109, 104359.	4.0	11
51	High-entropy alloys: Structure, mechanical properties, deformation mechanisms and application. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 249-258.	0.3	11
52	Macrolocalization of plastic strain in creep of fine-grain aluminum. Technical Physics, 2005, 50, 376-379.	0.7	10
53	Structure-phase states evolution in Al-Si alloy under electron-beam treatment and high-cycle fatigue. AIP Conference Proceedings, 2015, , .	0.4	10
54	Effect of the magnetic field on the surface morphology of copper upon creep fracture. Journal of Surface Investigation, 2015, 9, 410-414.	0.5	10

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55	Defect substructure change in 100-m differentially hardened rails in long-term operation. Materials Letters, 2017, 209, 224-227.	2.6	10
56	Structure of titanium alloy, modified by electron beams and destroyed during fatigue. Letters on Materials, 2017, 7, 266-271.	0.7	10
57	Wire arc additive manufacturing Al-5.0ÂMg alloy: Microstructures and phase composition. Materials Characterization, 2022, 187, 111875.	4.4	10
58	Structure and properties of the CrMnFeCoNi high-entropy alloy irradiated with a pulsed electron beam. Journal of Materials Research and Technology, 2022, 19, 4258-4269.	5.8	10
59	Structural evolution of silumin treated with a high-intensity pulse electron beam and subsequent fatigue loading up to failure. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 1169-1172.	0.6	9
60	The Influence of Electron Beam Treatment on Al-Si Alloy Structure Destroyed at High-Cycle Fatigue. Key Engineering Materials, 0, 675-676, 655-659.	0.4	9
61	Specific Features of Microstructural Evolution During Hot Rolling of the As-Cast Magnesium-Rich Aluminum Alloys with Added Transition Metal Elements. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 5782-5799.	2.2	9
62	Investigation of Microstructure and Fracture Mechanism of Al-5.0Mg Alloys Fabricated by Wire Arc Additive Manufacturing. Journal of Materials Engineering and Performance, 2021, 30, 7406-7416.	2.5	9
63	Phase composition prediction of Al-Co-Cr-Fe-Ni high entropy alloy system based on thermodynamic and electronic properties calculations. Materials Today: Proceedings, 2021, 46, 961-965.	1.8	9
64	Microstructure evolution of additively manufactured CoCrFeNiAl0.4 high-entropy alloy under thermo-mechanical processing. Journal of Materials Research and Technology, 2022, 16, 442-450.	5.8	9
65	Structure and properties of strengthening layer on Hardox 450 steel. Materials Science and Technology, 2017, 33, 2040-2045.	1.6	8
66	Investigation of the Intermetallic Compounds Fragmentation Impact on the Formation of Texture during the as Cast Structure Thermomechanical Treatment of Aluminum Alloys. Metals, 2021, 11, 507.	2.3	8
67	Influence of Mg Content on Texture Development during Hot Plain-Strain Deformation of Aluminum Alloys. Metals, 2021, 11, 865.	2.3	8
68	Replacement of Ta with equi-atomic radius Nb atoms in CoCrFeNiTa high entropy alloys: Effect on microstructure and mechanical properties. Materials Letters, 2021, 297, 129966.	2.6	8
69	Generation of increased mechanical properties of Cantor highÂentropy alloy. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 599-605.	0.3	8
70	Microstructure and Properties of Hypoeutectic Silumin Treated by High-Current Pulsed Electron Beams. Progress in Physics of Metals, 2019, 20, 447-484.	1.5	8
71	Structural and phase states in high-quality rail. Steel in Translation, 2016, 46, 260-263.	0.3	7
72	Influence of constant magnetic field on plastic characteristics of paramagnetic metals. Materials Research Express, 2019, 6, 096523.	1.6	7

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73	Study of recrystallization kinetics in AA5182 aluminium alloy after deformation of the as-cast structure. Materials Research Express, 2019, 6, 066552.	1.6	7
74	Location dependence of microstructure and mechanical properties of Cuâ€“Al alloy fabricated by dual wire CMT. Materials Research Express, 2019, 6, 126567.	1.6	7
75	Effect of La Addition on Solidification Behavior and Phase Composition of Cast Al-Mg-Si Alloy. Metals, 2020, 10, 1673.	2.3	7
76	Ultrafast microstructure modification by pulsed electron beam to enhance surface performance. Surface and Coatings Technology, 2022, 434, 128226.	4.8	7
77	Ways of the dislocation substructure evolution in austenite steel under low and multicycle fatigue. Procedia Engineering, 2010, 2, 83-90.	1.2	6
78	Gradient structural phase states formed in steel 08Kh18N10T in the course of high-cycle fatigue to failure. Physics of Metals and Metallography, 2011, 112, 81-89.	1.0	6
79	Evolution of the phase composition and defect substructure in the surface layer of rail steel under fatigue. Steel in Translation, 2013, 43, 724-727.	0.3	6
80	Fractography of the fatigue fracture surface of silumin irradiated by high-intensity pulsed electron beam. IOP Conference Series: Materials Science and Engineering, 2015, 81, 012011.	0.6	6
81	Increase in fatigue life of steels by electron-beam processing. Journal of Surface Investigation, 2016, 10, 83-87.	0.5	6
82	An increase in fatigue service life of eutectic silumin by electron-beam treatment. Russian Journal of Non-Ferrous Metals, 2016, 57, 236-242.	0.6	6
83	Physical nature of surface structure degradation in long term operated rails. AIP Conference Proceedings, 2017, , .	0.4	6
84	Microstructure and wear properties of Hardox 450 steel surface modified by Fe-C-Cr-Nb-W powder wire surfacing and electron beam treatment. IOP Conference Series: Materials Science and Engineering, 0, 411, 012024.	0.6	6
85	Structure-property correlation in magnesium nanocomposites synthesized by disintegrated melt deposition technique. Materials Today: Proceedings, 2018, 5, 16280-16285.	1.8	6
86	Multilayer structure of Al-Si alloy after electro-explosion alloying with yttrium oxide powder. Materials Research Express, 2018, 5, 116520.	1.6	6
87	The Analysis of the Influence of Various Factors on the Development of Stress Corrosion Defects in the Main Gas Pipeline Walls in the Conditions of the European Part of the Russian Federation. International Journal of Corrosion, 2018, 2018, 1-10.	1.1	6
88	Investigation of subgrain and fine intermetallic participles size impact on grain boundary mobility in aluminum alloys with transitional metal addition. Materials Today: Proceedings, 2019, 19, 2183-2188.	1.8	6
89	The Role of Lattice Curvature in Structural Degradation of the Metal Surface Layer of a Rail under Long-term Operation. Doklady Physics, 2020, 65, 376-378.	0.7	6
90	The Effect of Wire Feeding Speed on Solidification Cracking of CMT Welding for Al-Si Alloys. Metals, 2021, 11, 267.	2.3	6

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91	Electroexplosive hafnium coating on titanium implant modified by nitrogen ions and electron beam processing. Surface and Coatings Technology, 2021, 409, 126895.	4.8	6
92	Effect of Melt Overheating on Structure and Mechanical Properties of Al-Mg-Si Cast Alloy. Metals, 2021, 11, 1353.	2.3	6
93	Research of heat resistance of the multilayer coating after electro-spark alloying of C45 steel Cr-Ni alloys. Letters on Materials, 2018, 8, 140-145.	0.7	6
94	Metallographic Examination of Forming Improved Mechanical Properties via Surfacing of Steel HARDOX 450 with Flux Cored Wire. Materials Science Forum, 2016, 870, 159-162.	0.3	5
95	Variations in defect substructure and fracture surface of commercially pure aluminum under creep in weak magnetic field. Chinese Physics B, 2017, 26, 126203.	1.4	5
96	Friction and Wear Study of Fe-Cu-C-CaF₂ Self-lubricating Composite at High Speed and High Temperature. IOP Conference Series: Materials Science and Engineering, 2020, 834, 012010.	0.6	5
97	Defect formation during dissimilar aluminium friction stir welded T-joints. Mechanics and Industry, 2020, 21, 205.	1.3	5
98	On the effect of electric potential on resistance of metalsâ€™ surface to microindentation. Journal of Surface Investigation, 2010, 4, 157-161.	0.5	4
99	Effect of the electric potential of the aluminum surface on stress relaxation. Technical Physics, 2011, 56, 877-880.	0.7	4
100	Gradient Structural-Phase States in the Thermostrengthened Low-Carbon Steel Reinforcement. Materials and Manufacturing Processes, 2011, 26, 144-146.	4.7	4
101	Formation of gradients of structure, phase composition, and dislocation substructure in differentially hardened rails. Nanotechnologies in Russia, 2014, 9, 288-292.	0.7	4
102	Thermocapillary model of formation of surface nanostructure in metals at electron beam treatment. IOP Conference Series: Materials Science and Engineering, 2015, 91, 012028.	0.6	4
103	Increase of Fatigue Life of Titanium VT1-0 after Electron Beam Treatment. Key Engineering Materials, 0, 704, 15-19.	0.4	4
104	Test beam studies of possibilities to separate particles with gamma factors above 103with straw based Transition Radiation Detector. Journal of Physics: Conference Series, 2017, 934, 012053.	0.4	4
105	Contributions of Various Mechanisms to the Hardening of Differentially Quenched Rails during Long-Term Operation. Russian Metallurgy (Metally), 2018, 2018, 985-989.	0.5	4
106	Study of the surface relief, structure and phase composition of the silumin composite layer obtained by the method of electric explosion alloying by Al-Y2O3 system. Journal of Physics: Conference Series, 2018, 1115, 032021.	0.4	4
107	Microstructure and micro-hardness behavior of Tiâ€“Y2O3 â€“Alâ€“Si composite coatings prepared in electron-plasma alloying. Materials Characterization, 2019, 158, 109934.	4.4	4
108	Structural-Phase State and the Properties of Silumin after Electron-Beam Surface Treatment. Russian Metallurgy (Metally), 2019, 2019, 398-402.	0.5	4

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109	The surface modification of aluminum by mechanical milling of Pb coating and high current pulsed electron beam irradiation. Materials Research Express, 2019, 6, 1265g3.	1.6	4
110	Evaluation of strength and microstructure of welded pipes with wall lamination. Engineering Failure Analysis, 2021, 122, 105235.	4.0	4
111	Influence of Silicon and Magnesium on the Mechanical Properties of Additive Manufactured Cu-Al Alloy. 3D Printing and Additive Manufacturing, 2021, 8, 331-339.	2.9	4
112	Electron-beam processing of the hardened layer formed on Hardox 450 steel electric-wire welding system Fe-C-V-Cr-Nb-W. Letters on Materials, 2016, 6, 350-354.	0.7	4
113	Microstructure and Mechanical Properties of Cu-6.5%Al Alloy Deposited by Wire Arc Additive Manufacturing. Metallography, Microstructure, and Analysis, 2021, 10, 634-641.	1.0	4
114	Gradient structure-phase states formed in Hadfield steel during dry sliding wear. Russian Physics Journal, 2008, 51, 1168-1173.	0.4	3
115	Formation of structure and mechanical properties in the accelerated cooling of an H beam. Steel in Translation, 2010, 40, 114-118.	0.3	3
116	Regularities of varying the dislocation substructure of copper under creep in the magnetic field. Russian Journal of Non-Ferrous Metals, 2015, 56, 441-448.	0.6	3
117	Fatigue life of silumin irradiated by high intensity pulsed electron beam. IOP Conference Series: Materials Science and Engineering, 2015, 91, 012029.	0.6	3
118	Mathematical model of nanostructure formation in rail steel under high intensive mechanical loading. AIP Conference Proceedings, 2015, , .	0.4	3
119	Electro-Explosive Doping of VT6 Titanium Alloy Surface by Boron Carbide. IOP Conference Series: Materials Science and Engineering, 2016, 150, 012042.	0.6	3
120	Change of deformation characteristics and dislocation substructure of nonferrous metals under influence of magnetic field. IOP Conference Series: Materials Science and Engineering, 2016, 150, 012038.	0.6	3
121	Effect of electron beam treatment on structural change in titanium alloy VT-0 at high-cycle fatigue. IOP Conference Series: Materials Science and Engineering, 2016, 150, 012037.	0.6	3
122	Mathematical Model of Nanostructure Formation in Binary Alloys at Electron Beam Treatment. Materials Science Forum, 0, 870, 34-39.	0.3	3
123	Electric arc surfacing on low carbon steel: Structure and properties. AIP Conference Proceedings, 2016, , .	0.4	3
124	Electron-beam modification of a surface layer deposited on low-carbon steel by means of arc spraying. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 1353-1359.	0.6	3
125	Evolution of the Structure and Properties of AK10M2N Silumin under Irradiation with a High-Intensity Pulsed Electron Beam. Inorganic Materials, 2018, 54, 1308-1314.	0.8	3
126	Modeling of the initial stages of the formation of heterogeneous plasma flows in the electric explosion of conductors. Current Applied Physics, 2018, 18, 1101-1107.	2.4	3

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127	Formation and Evolution of Structure and Phase Composition of Hypoeutectoid Silumin on Electron Beam Processing. Journal of Surface Investigation, 2019, 13, 809-813.	0.5	3
128	Thermocapillary model of formation of nanostructures on the surface irradiated by low-energy high-current electron beams. Materials Research Express, 2019, 6, 076551.	1.6	3
129	Study of the recrystallization behaviour of the aluminium 1565ch alloy during hot rolling of the as cast structures. Materials Research Express, 2019, 6, 076524.	1.6	3
130	Approach to oriented grain growth accounting during aluminum alloys recrystallization simulation. Materials Today: Proceedings, 2021, 46, 957-960.	1.8	3
131	The mechanism of formation of surface micro- and nanostructures in the AlCoCrFeNi high-entropy alloy during electron-beam treatment. Letters on Materials, 2021, 11, 309-314.	0.7	3
132	The Effects of In-Process Cooling during Friction Stir Welding of 7475 Aluminium Alloy. Sains Malaysiana, 2021, 50, 2743-2754.	0.5	3
133	Mechanical Properties and Tribological Behavior of Magnesium Metal Matrix Composites With Micron-Sized and Nano-Sized Reinforcements. , 2022, , 26-45.		3
134	Effect of Electron-Plasma Treatment on the Microstructure of Al-11wt%Si Alloy. Materials Research, 2020, 23, .	1.3	3
135	TRANSFORMATION OF CARBIDĐ• PHASE IN RAILS AT LONG-TERM OPERATION. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2018, 61, 140-148.	0.3	3
136	REDISTRIBUTION OF CARBON ATOMS IN DIFFERENTIALLY CHARGED RAILS FOR LONG-TERM OPERATION. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2018, 61, 454-459.	0.3	3
137	Influence of the Small Sc and Zr Additions on the As-Cast Microstructure of Alâ€“Mgâ€“Si Alloys with Excess Silicon. Metals, 2021, 11, 1797.	2.3	3
138	Surface modification of sub-eutectic silumin by a pulsed electron beam. Surfaces and Interfaces, 2022, 29, 101810.	3.0	3
139	Surface Topography Control of TA2 Pure Titanium in Laser Shock Peening. Metals, 2022, 12, 1031.	2.3	3
140	Structure and hot-rolled reinforcement rods properties evolution in the process of long service life. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 430, 125-131.	5.6	2
141	Formation of structural-phase states of the surface of Hadfield steel. Steel in Translation, 2007, 37, 989-990.	0.3	2
142	Modification of steel surface layer by electron beam treatment. Metal Science and Heat Treatment, 2008, 50, 569-574.	0.6	2
143	Change of dislocation substructures upon high-cycle fatigue of stainless steel. Russian Physics Journal, 2009, 52, 265-268.	0.4	2
144	Structure of low-carbon steel sheet after scale removal. Steel in Translation, 2014, 44, 264-267.	0.3	2

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145	Evolution of the structure and phase composition of low-carbon ferrite steel under conditions of hydrogen saturation and deformation. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 237-240.	0.6	2
146	Magnetic Field Effect on Creep of Polycrystalline Copper. Advanced Materials Research, 0, 1120-1121, 962-966.	0.3	2
147	Structure-phase states of silumin surface layer after electron beam and high cycle fatigue. Journal of Physics: Conference Series, 2015, 652, 012028.	0.4	2
148	Effect of the 0.3 T magnetic field on the microhardness of commercially pure VT1-0 titanium. AIP Conference Proceedings, 2016, , .	0.4	2
149	Fatigue variation of surface properties of silumin subjected to electron-beam treatment. IOP Conference Series: Materials Science and Engineering, 2016, 110, 012012.	0.6	2
150	Influence of hydrogen on the localization of plastic strain in low-carbon steel. Steel in Translation, 2016, 46, 851-854.	0.3	2
151	Fractography of Fatigue Fracture Surface in Silumin Subjected to Electron-Beam Processing. IOP Conference Series: Materials Science and Engineering, 2016, 142, 012080.	0.6	2
152	Formation Wear Resistant Coatings on Martensite Steel Hardox 450 by Welding Methods. IOP Conference Series: Materials Science and Engineering, 2016, 142, 012079.	0.6	2
153	Nanolayer formation during hydrodynamic instability under external stimuli. Steel in Translation, 2016, 46, 679-685.	0.3	2
154	Variation of Strength Characteristics of Titanium Surface Layers Under Magnetic Field Effect. Journal of Surface Investigation, 2017, 11, 1338-1341.	0.5	2
155	Tribological characteristics of magnesium nanocomposites. Materials Today: Proceedings, 2018, 5, 16575-16579.	1.8	2
156	Increase in Wear Resistance of the Surface Layers of AK10M2N Silumin at Electron-Beam Treatment. Inorganic Materials: Applied Research, 2019, 10, 622-628.	0.5	2
157	Disintegration mechanism of second phase particles under electron beams. Materials Research Express, 2019, 6, 106556.	1.6	2
158	Evolution of structure-phase states of hypoeutectic silumin irradiated by intensive pulse electron beams. Materials Research Express, 2019, 6, 076574.	1.6	2
159	Stress and Temperature Distribution Simulation For Arc Weld-based Rapid Prototyping Of Titanium Alloy Tc4. Materials Express, 2019, 9, 99-111.	0.5	2
160	Nanostructure formation of hypoeutectic silumin by electronion-plasma methods. Journal of Physics: Conference Series, 2019, 1393, 012091.	0.4	2
161	Combined Rayleighâ€“Taylorâ€“Kelvinâ€“Helmholtz instability and its role in the formation of the surface relief of the coating/substrate. AIP Conference Proceedings, 2019, , .	0.4	2
162	Role of Matrix Microstructure in Governing the Mechanical Behavior and Corrosion Response of Two Magnesium Alloy Metal Matrix Composites. Jom, 2020, 72, 2882-2891.	1.9	2

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163	The Effect of High-Intensity Electron Beam on the Crystal Structure, Phase Composition, and Properties of Alâ€“Si Alloys with Different Silicon Content. Progress in Physics of Metals, 2021, 22, 129-157.	1.5	2
164	Structure and Properties of the Wear-Resistant Facing Modified by Electron-Beam Processing. Progress in Physics of Metals, 2017, 18, 111-139.	1.5	2
165	Evolution of Structure and Properties of Differentially Quenched Rails During Long-Term Operation. Metallofizika I Noveishie Tekhnologii, 2018, 39, 1599-1646.	0.5	2
166	Slip System Selection and Taylor Factor Evolution in FCC Metals. SSRN Electronic Journal, 0, , .	0.4	2
167	Modeling and Optimization of Solidification Cracking of 4043 Aluminum Alloys Produced by Cold Metal Transfer Welding. Journal of Materials Engineering and Performance, 2022, 31, 4746-4760.	2.5	2
168	Forming structural-phase states of the surface layer of steel by electron-beam treatment. Steel in Translation, 2007, 37, 670-672.	0.3	1
169	Nanocrystalline grains and phase composition in the plasma hardening of cast-iron rollers. Steel in Translation, 2008, 38, 603-607.	0.3	1
170	Influence of weak energy stimuli on metal creep. Steel in Translation, 2008, 38, 976-978.	0.3	1
171	Modification of the defect substructure in a quenched steel by a low-energy high-current pulsed electron beam. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1213-1216.	0.6	1
172	Role of the electric potential in the creep acceleration and formation of Al fracture surface. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 1245-1248.	0.6	1
173	Acoustic emission in steel failure. Steel in Translation, 2010, 40, 1041-1046.	0.3	1
174	Effect of the electric potential on the surface tension of iron. Russian Metallurgy (Metally), 2011, 2011, 89-90.	0.5	1
175	Dislocation Substructure Gradient Formation in Aluminum by Creep under Weak Potential. Arabian Journal for Science and Engineering, 2011, 36, 649-653.	1.1	1
176	Formation of structure-phase states and dislocation substructures during thermomechanical hardening of Feâ€“0.09Câ€“2Mnâ€“1Si steel. Russian Physics Journal, 2012, 54, 1034-1045.	0.4	1
177	Superior Quality Rails: Structure-Phase States and Defect Substructure. Advanced Materials Research, 0, 1013, 127-132.	0.3	1
178	Plastic Deformation Localization of Low Carbon Steel: Hydrogen Effect. Advanced Materials Research, 0, 1013, 77-83.	0.3	1
179	Inhomogeneity of the hot deformation of austenitic steel. Steel in Translation, 2014, 44, 255-257.	0.3	1
180	Increasing the fatigue life of steel and alloys by electron-beam treatment. Steel in Translation, 2015, 45, 322-325.	0.3	1

#	Article	IF	Citations
181	The role of electro-explosion alloying with titanium diboride and treatment with pulsed electron beam in the surface modification of VT6 alloy. AIP Conference Proceedings, 2015, , .	0.4	1
182	Strain localization parameters of AlCu4MgSi processed by high-energy electron beams. AIP Conference Proceedings, 2015, , .	0.4	1
183	Steel fatigue life extension by pulsed electron beam irradiation. Journal of Surface Investigation, 2015, 9, 599-603.	0.5	1
184	Formation of the Increased Wear-Resistant Properties of Hardox 450 Steel by Deposited Coatings. IOP Conference Series: Materials Science and Engineering, 2016, 150, 012041.	0.6	1
185	Viscous flow analysis of the Kelvinâ€“Helmholtz instability for short waves. AIP Conference Proceedings, 2016, , .	0.4	1
186	Influence of hydrogen on the localization of plastic strain in low-carbon steel during electrolytic saturation. Steel in Translation, 2016, 46, 107-111.	0.3	1
187	Structural phase states and properties of the layer surfaced on low-carbon steel with Feâ€'Câ€'Crâ€'Nbâ€'W powder-core wire followed by electron-beam processing. Journal of Surface Investigation, 2017, 11, 933-939.	0.5	1
188	Nanohardness of wear-resistant surfaces after electron-beam treatment. Steel in Translation, 2017, 47, 245-249.	0.3	1
189	Wear model of an excavator bucket. AIP Conference Proceedings, 2017, , .	0.4	1
190	Structure and properties of Hardox 450 steel with arc welded coatings. AIP Conference Proceedings, 2017, , .	0.4	1
191	Gradient structure formed in commercially pure titanium irradiated with a pulsed electron beam. AIP Conference Proceedings, 2017, , .	0.4	1
192	Finite-element model for an Al+2.38% Cu+0.06% SiC composite with regard to its structural components. AIP Conference Proceedings, 2017, , .	0.4	1
193	Intense Pulsed Electron Beam Modification of Surface Layer Facing Formed on Hardox 450 Steel by Electrocontact Method. Journal of Surface Investigation, 2017, 11, 1342-1347.	0.5	1
194	Synthesising nanostructural wear-resistant coatings on martensite steel by welding methods. International Journal of Nanotechnology, 2017, 14, 627.	0.2	1
195	Structure and properties of H-beams after accelerated water cooling. Steel in Translation, 2017, 47, 369-373.	0.3	1
196	Impact of the Chemical Elements Upon the Convective Flows in the Molten Metal of the Weld Pool. IOP Conference Series: Earth and Environmental Science, 2017, 66, 012017.	0.3	1
197	Mechanisms of nanoscale structure formation during electron beam treatment of silumin. IOP Conference Series: Materials Science and Engineering, 0, 447, 012061.	0.6	1
198	The structure of the surface layer in titanium VT1-0 after high-cycle fatigue tests. IOP Conference Series: Materials Science and Engineering, 2018, 447, 012075.	0.6	1

#	Article	IF	Citations
199	Effect of phase transition temperature and particle size on residual stresses and properties of laser cladding layer. IOP Conference Series: Materials Science and Engineering, 0, 411, 012084.	0.6	1
200	Gradient Structure Generated in Hardox 450 Steel with Built-Up Layer. Inorganic Materials: Applied Research, 2018, 9, 427-432.	0.5	1
201	Effect of the Density of Electron Beam Energy on the Structure and Mechanical Characteristics of Surface Layers of Hypoeutectic Silumin. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 1282-1288.	0.6	1
202	Wear Resistance of the Surface Layers in Silumin after Electron-Beam Treatment. Russian Metallurgy (Metally), 2019, 2019, 981-985.	0.5	1
203	Formation of Structure and Properties of Silumin on Electron-Beam Processing. Journal of Surface Investigation, 2019, 13, 1040-1044.	0.5	1
204	Layer-by-Layer Analysis of the Crâ€“Niâ€“Ti Coating Substructure Obtained via Selective Laser Melting. Journal of Surface Investigation, 2020, 14, 1022-1028.	0.5	1
205	Microstructural characterization and tribological behavior of surface composites fabricated on AA7050-T7451 alloy via friction stir processing. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 351-359.	1.8	1
206	Structural Changes in the Surface of AK5M2 Alloy under the Influence of an Intense Pulsed Electron Beam. Journal of Surface Investigation, 2021, 15, 183-189.	0.5	1
207	Deformation behavior of high-entropy alloy system Al â€“ Co â€“ Cr â€“ Fe â€“ Ni achieved by wire-arc additive manufacturing. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 68-74.	0.3	1
208	Deformation Behavior of Cu-6.5 wt.% Al Alloy Under Quasi-Static Tensile Loading. Journal of Materials Engineering and Performance, 2021, 30, 5086-5092.	2.5	1
209	Subsurface Corrosion as the Main Degradation Process of 17GS Pipeline Steel after 50 Years of Operation. Journal of Surface Investigation, 2021, 15, 872-876.	0.5	1
210	Effect of Pulsed-Electron-Beam Irradiation on the Surface Structure of a Non-Equiatomic High-Entropy Alloy of the Alâ€“Coâ€“Crâ€“Feâ€“Ni System. Journal of Surface Investigation, 2021, 15, 846-850.	0.5	1
211	SURFACE NANOHARDNESS OF WEAR RESISTANT SURFACING IRRADIATED BY ELECTRON BEAM. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2017, 60, 304-309.	0.3	1
212	Express quality analysis of metal structure based on thickness data. AIP Conference Proceedings, 2020, , .	0.4	1
213	Application of high-entropy alloys. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 747-754.	0.3	1
214	Computer Simulation of the Process of Crack Propagation in a Brittle Porous Material. Journal of Surface Investigation, 2021, 15, 1212-1216.	0.5	1
215	The Casting Rate Impact on the Microstructure in Alâ€“Mgâ€“Si Alloy with Silicon Excess and Small Zr, Sc Additives. Metals, 2021, 11, 2056.	2.3	1
216	Microstructure and Phase Composition of the Cr-Mn-Fe-Co-Ni High-Entropy Alloy Obtained by Wire-Arc Additive Manufacturing. Key Engineering Materials, 0, 910, 748-753.	0.4	1

#	Article	IF	Citations
217	Texture Development in Aluminum Alloys with High Magnesium Content. Metals, 2022, 12, 723.	2.3	1
218	Modification of the steel 45G17UZ grained structure at the fatigue testing under conditions of electrical stimulation. , 0, , .		0
219	Evolution of the structure and phase composition of an equiatomic Fe-Co alloy on quenching from the liquid state. Steel in Translation, 2008, 38, 437-438.	0.3	0
220	Evolution of the dislocation substructure in an annealed pro-eutectoid steel upon irradiation with a high-current electron beam. Russian Physics Journal, 2009, 52, 511-518.	0.4	0
221	Formation of stress field gradients during the high cycle fatigue of an austenitic corrosion-resistant steel. Russian Metallurgy (Metally), 2010, 2010, 268-272.	0.5	0
222	Fatigue and corrosion resistance of bimetals after pulsed surface treatment. Steel in Translation, 2011, 41, 969-973.	0.3	0
223	Effect of an electric potential on the formation of a dislocation structure during creep of aluminum. Russian Metallurgy (Metally), 2011, 2011, 423-428.	0.5	0
224	Analysis of structure and phase composition of rails subjected to differential hardening at different regimes. , 2014, , .		0
225	Dislocation substructures and internal stress fields in bulk- and differentially quenched rails. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 981-987.	0.6	0
226	Estimation of Current Amplitude Pulse. Advanced Materials Research, 2014, 1013, 166-169.	0.3	0
227	Influence of scale removal on the mechanical properties of low-carbon steel. Steel in Translation, 2014, 44, 123-125.	0.3	0
228	Structure, Phase Composition, and Defective Substructure of Rails of the Highest Quality Grade. Russian Physics Journal, 2014, 57, 259-265.	0.4	0
229	Investigation of defect copper substructure disrupted in creep condition under the action of magnetic field. IOP Conference Series: Materials Science and Engineering, 2015, 91, 012030.	0.6	0
230	Strain-stress simulation and comparison of different welding sequences during manufacturing of packing vacuum cover. IOP Conference Series: Materials Science and Engineering, 2016, 150, 012036.	0.6	0
231	Increase in Reliability of Metal Articles with Impulse Current Effect. MATEC Web of Conferences, 2016, 67, 06109.	0.2	0
232	Model of formation of droplets during electric arc surfacing of functional coatings. AIP Conference Proceedings, 2016, , .	0.4	0
233	Mathematical Modelling Stress Distribution in a Metallic Plate with an Asymmetrical Notch. MATEC Web of Conferences, 2016, 67, 03053.	0.2	0
234	Model of nanostructure formation in rail steel during long term operation. AIP Conference Proceedings, 2016, , .	0.4	0

#	Article	IF	Citations
235	Numerical simulation of hydrodynamic flows in the jet electric. IOP Conference Series: Materials Science and Engineering, 2016, 110, 012043.	0.6	0
236	Modeling hydrodynamic flows in plasma fluxes when depositing metal layer on the surface of catalyst converters. IOP Conference Series: Earth and Environmental Science, 2017, 50, 012050.	0.3	0
237	Structure and properties of a low-carbon steel surface modified by electric arc surfacing. Journal of Surface Investigation, 2017, 11, 1050-1055.	0.5	0
238	Mathematical model of mass transfer at electron beam treatment. AIP Conference Proceedings, 2017, , .	0.4	0
239	Study on mechanical properties and structure of silumin after its surface modification with yttrium oxide. AIP Conference Proceedings, 2017, , .	0.4	0
240	Stress-strain state of gradient materials under inclined contact load. AIP Conference Proceedings, 2017, , .	0.4	0
241	Formation and evolution of the structure and phase composition of stainless steel during electron-beam treatment and multiple-cycle fatigue. Inorganic Materials: Applied Research, 2017, 8, 521-527.	0.5	0
242	Phase composition and defect substructure of double surfacing, formed with Vâ€“Crâ€“Nbâ€“W powder wire on steel. Inorganic Materials: Applied Research, 2017, 8, 313-317.	0.5	0
243	Research into the Structure of Aluminum Matrix Composite ĐŁ12+2.38%Cu+0.06%SiC with a Scanning Probe Microscope. Solid State Phenomena, 0, 265, 723-727.	0.3	0
244	Dimensional changes of Al-10Mg alloy grains after quenching, deformation, and reheating. AIP Conference Proceedings, 2017, , .	0.4	0
245	Model of convection mass transfer in titanium alloy at low energy high current electron beam action. IOP Conference Series: Materials Science and Engineering, 2017, 168, 012031.	0.6	0
246	Mathematical modelling of convective processes in a weld pool under electric arc surfacing. IOP Conference Series: Materials Science and Engineering, 2017, 168, 012039.	0.6	0
247	Metallographic study on eutectic silumin. AIP Conference Proceedings, 2017, , .	0.4	0
248	Structure and properties of the layer deposited onto a low-carbon steel and then irradiated by an electron beam. Russian Metallurgy (Metally), 2017, 2017, 579-584.	0.5	0
249	The Increase in Wear Resistance of Low Carbon Steel by Flux-Cored Wire Surfacing Followed Be Electron Beam Processing. IOP Conference Series: Materials Science and Engineering, 2017, 253, 012019.	0.6	0
250	Modeling of nanostructure formation in silumin during electron beam treatment. AIP Conference Proceedings, 2018, , .	0.4	0
251	Gradient structure formation in the surface layer of AK10M2N silumin by electron beam treatment. AIP Conference Proceedings, 2018, , .	0.4	0
252	Effect of withdrawal rate and heat treatment on Ni-based superalloy microstructure. AIP Conference Proceedings, 2018, , .	0.4	0

#	Article	IF	Citations
253	Redistribution of Carbon Atoms in Differentially Quenched Rail on Prolonged Operation. Steel in Translation, 2018, 48, 352-356.	0.3	0
254	Physical and technical fundamentals of technology used to increase the wear resistance of working surfaces of large volume excavator buckets. IOP Conference Series: Earth and Environmental Science, 2018, 206, 012029.	0.3	0
255	The formation and control of porosity during laser DP780 dual-phase galvanized steels. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012085.	0.6	0
256	Effect of applied load on welding stress at different time periods. MATEC Web of Conferences, 2018, 224, 01069.	0.2	0
257	AFM investigation of silumin structure modified by Al-Y2O3 coating using the method of electric explosive alloying. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012056.	0.6	0
258	Structure-phase state evolution of 100-m differentially hardened rails in long-term usage. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012089.	0.6	0
259	Gradient Structure of the Layer Applied to Hardox 450 Steel by Feâ€“Câ€“Crâ€“Nbâ€“W Powder Wire after Electron-Beam Treatment. Steel in Translation, 2018, 48, 229-232.	0.3	0
260	Transformation of Carbides in Prolonged Rail Operation. Steel in Translation, 2018, 48, 97-103.	0.3	0
261	Formation of Gradient Structureâ€“Phase States in the Surface Layers of 100-m Differentially Quenched Rails. Russian Metallurgy (Metally), 2019, 2019, 710-715.	0.5	0
262	A Study of Texture Component Distribution Over the Cross Section of an Aluminum Alloy 8011 Billet with Hot Rolling in a Four-Stand Continuous Group. Metal Science and Heat Treatment, 2019, 61, 300-304.	0.6	0
263	Change in Plasticity of Copper under Weak Electrical Potentials. IOP Conference Series: Materials Science and Engineering, 2019, 472, 012011.	0.6	0
264	Study of the specific features, characterising homogenisation of the promising Al-Mg system aluminium alloys with transition elements addition. International Journal of Nanotechnology, 2019, 16, 602.	0.2	0
265	Microdiffraction analysis of structure of siluminâ€™s high-velocity cellular crystallization. Journal of Physics: Conference Series, 2019, 1393, 012114.	0.4	0
266	Mechanism of Silicon Plate Decay in Aluminum Matrix under Electron Beam Effect. Key Engineering Materials, 2020, 839, 32-36.	0.4	0
267	Effect of Electron-Beam Treatment on the Structure of Commercial-Purity Titanium Subjected to Fatigue Failure. Russian Metallurgy (Metally), 2020, 2020, 401-407.	0.5	0
268	Special Analysis Aspects of Modified Light Alloys. , 2021, , 53-73.		0
269	Structure and Properties of As-Cast Silumin and Processed by Intense Pulsed Electron Beam. , 2021, , 75-90.		0
270	Increase of alloys functional properties by electronic beam processing. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 129-134.	0.3	0

#	Article	IF	Citations
271	Pulsed-Electron-Beam Modification of The Surface of Alâ€“Mg Alloy Samples Obtained by the Methods of Additive Technologies: Structure and Properties. Journal of Surface Investigation, 2021, 15, 449-452.	0.5	0
272	Influence of Silicon and Manganese on the Mechanical Properties of Additive Manufactured Cuâ€“Al Alloys by Cold Metal Transfer Welding. Metallography, Microstructure, and Analysis, 2021, 10, 314-320.	1.0	0
273	Structure, Phase Composition and Properties of Rail Running Surface at Extremely Long Operation Time. Russian Physics Journal, 2021, 64, 82-88.	0.4	0
274	Ð˜Ð¡Ð›Ð•Ð”ÐžÐ’ÐÐ˜Ð• Ð¡ÐÐ£ÐšÐ¢Ð£ÐÐ« Ð˜ Ð¡Ð’ÐžÐ™Ð¡Ð¢Ð’ Ð’Ð«Ð¡ÐžÐšÐžÐÐ¢ÐÐžÐŸÐ˜Ð™ÐÐžÐ“Ðž Ð¡ÐŸÐ›ÐÐ’Ð•AlCoC	0.0	0
275	Modifying of Structure-Phase States and Properties of Metals by Concentrated Energy Flows. , 2021, , 1-52.		0
276	Surface hardening alloy VT6 of electroexplosion alloying with boron carbide and by electron beam treatment. Metal Working and Material Science, 2015, , 102-112.	0.3	0
277	STRUCTURE-PHASE STATES, MECHANICAL AND TRIBOLOGICAL PROPERTIES OF THERMOMECHANICALLY STRENGTHENED BEAM. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2017, 60, 457-462.	0.3	0
278	GRADIENT STRUCTURE OF THE LAYER FACED ON HARDOX 450 STEEL WITH Fe â€“Ð¡â€“Crâ€“Nbâ€“W POWDER WIRE AND MODIFIED BY ELECTRON BEAM PROCESSING. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2018, 61, 313-318.	0.3	0
279	Investigating and Understanding the Mechanical and Tribological Properties of a Magnesium Hybrid Metalâ€“Ceramic Nanocomposite. Minerals, Metals and Materials Series, 2019, , 85-94.	0.4	0
280	Morphology analysis of production defect of gas-main pipeline metal. Proizvodstvo Prokata, 2019, , 33-38.	0.0	0
281	Simulation of phase transformations in high carbon pearlite steel at various cooling rates. CIS Iron and Steel Review, 2020, , 55-60.	0.4	0
282	Combined Kelvinâ€“Helmholtz and Marangoni instability and its role in formation of nanostructures under electron-beam irradiation. AIP Conference Proceedings, 2020, , .	0.4	0
283	The influence of electrical potential on the mechanical properties of commercially pure titanium. Letters on Materials, 2020, 10, 512-516.	0.7	0
284	Deformation and Fracture of High Entropy AlCoCrFeNi Alloy. Russian Physics Journal, 2022, 64, 1697-1702.	0.4	0
285	Structural phase variations in high-entropy alloy at irradiation by pulsed electron beam. Izvestiya Vysshikh Uchebnykh Zavedenij Chernaya Metallurgiya, 2021, 64, 846-854.	0.3	0