Igor Sizov

List of Publications by Year
in descending order

28	141	1307594 7	1281871 11
papers	citations	h-index	g-index

30	30	30	84
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Influence of Boroaluminizing Temperature on Microstructure and Wear Resistance in Low-Carbon Steels. Materials Performance and Characterization, 2018, 7, 20170074.	0.3	4
2	Formation of Coatings Based on Boron and Aluminum on the Surface of Carbon Steels by Electron Beam Alloying. Metal Working and Material Science, 2018, 20, 87-99.	0.3	4
3	Improvement of the heat resistance of carbon steels by thermocycling thermochemical treatment with self-protective pastes based on boron carbide and aluminum. IOP Conference Series: Materials Science and Engineering, 2016, 116, 012036.	0.6	4
4	Boroaluminized Carbon Steel. , 2016, , 346-357.		2
5	Plasticity of Boronized Layers. Springer Series in Materials Science, 2016, , .	0.6	27
6	General Classification of Boriding Processes. Springer Series in Materials Science, 2016, , 3-11.	0.6	1
7	Multicomponent Equilibrium Diagrams Used in Boriding Treatments of Steels and Alloys. Springer Series in Materials Science, 2016, , 39-64.	0.6	0
8	The Use of Boriding Processes in the Industrial Treatment of Details and Tools. Springer Series in Materials Science, 2016, , 301-310.	0.6	2
9	The Development of the Theory and Practice of Boriding. Springer Series in Materials Science, 2016, , 311-339.	0.6	0
10	Methods of Reducing the Brittleness of Boronized Layers: The Parameters of Boriding Technology Aimed at Determining the Plasticity of Boronized Layers. Springer Series in Materials Science, 2016, , 111-196.	0.6	2
11	Modeling the Formation of Diffusive Boronized Layers and Their Wear-Resistance. Springer Series in Materials Science, 2016, , 269-284.	0.6	0
12	The Equilibrium Diagram of â€˜Boron-Ironâ€™ Binary System. Springer Series in Materials Science, 2016, , 23-38.	0.6	2
13	The Components and Phases of Systems â€˜Boron-Ironâ€™ and â€˜Boron-Carbon-Ironâ€™. Springer Series in Materials Science, 2016, , 13-21.	0.6	7
14	The Formation Conditions for Boride and Boronized Layers and Their Influence on the Layersâ€™ Plasticity. Springer Series in Materials Science, 2016, , 81-110.	0.6	1
15	The Structure Compositeness as the Foundation for the Plasticity of Boronized Layers. Springer Series in Materials Science, 2016, , 197-227.	0.6	1
16	The Connection Between the Plasticity of Boronized Layers and the Mechanical and Exploitation Properties of Boronized Steels. Springer Series in Materials Science, 2016, , 229-267.	0.6	0
17	The Prospective Boriding Technologies Guaranteeing the Improvements in the Plasticity of Layers. Springer Series in Materials Science, 2016, , 285-299.	0.6	0
18	Influence of thermocycle boroaluminising on strength of steel C30. Surface Engineering, 2014, 30, 129-133.	2.2	14

#	Article	IF	Citations
19	Study of properties of wear resistant coatings applied by plazma spraying. , 2012, , .		0
20	A study of thermocycling boroaluminizing of carbon steels. Metal Science and Heat Treatment, 2012, 53, 592-597.	0.6	14
21	Effect of alloying elements on the structure and properties of iron with vermicular graphite. Metal Science and Heat Treatment, 2006, 48, 272-275.	0.6	16
22	Electron-beam boriding of low-carbon steel. Journal of Alloys and Compounds, 2004, 383, 108-112.	5.5	20
23	MÃ¶ssbauer Spectroscopy of Boride Layer After Electron-Beam Treatment. Metal Science and Heat Treatment, 2003, 45, 351-354.	0.6	0
24	Thermodynamic Modeling of the Vacuum Synthesis of Transition-Metal Borides. Inorganic Materials, 2002, 38, 39-44.	0.8	7
25	Thermodynamic Analysis of Vacuum Synthesis of Titanium Borides on the Surface of Carbon Steels. Metal Science and Heat Treatment, 2002, 44, 35-38.	0.6	2
26	Structure and Properties of Boride Layers Deposited by Electron-Beam and Chemicothermal Treatment. Metal Science and Heat Treatment, 2001, 43, 460-461.	0.6	1
27	Special features of electron-beam boronizing of steels. Metal Science and Heat Treatment, 1999, 41, 516-519.	0.6	6
28	The Study of Boroaluminizing in Ðastes under Thermocycling and Laser Heating. Advanced Materials Research, 0, 1040, 907-911.	0.3	2