

Undrakh L Mishigdorzhijn

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A study of thermocycling boroaluminizing of carbon steels. Metal Science and Heat Treatment, 2012, 53, 592-597. | 0.6 | 14 |
| 2 | Influence of thermocycle boroaluminising on strength of steel C30. Surface Engineering, 2014, 30, 129-133. | 2.2 | 14 |
| 3 | Microstructure and Wear Behavior of Tungsten Hot-Work Steel after Boriding and Boroaluminizing. Lubricants, 2020, 8, 26. | 2.9 | 7 |
| 4 | 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 |
| 5 | The Influence of Boroaluminizing Temperature on Microstructure and Wear Resistance in Low-Carbon Steels. Materials Performance and Characterization, 2018, 7, 20170074. | 0.3 | 4 |
| 6 | 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 |
| 7 | Microstructure and Wear Resistance of Hot-Work Tool Steels after Electron Beam Surface Alloying with B4C and Al. Lubricants, 2022, 10, 90. | 2.9 | 4 |
| 8 | Thermocyclic Boroaluminizing of Low Carbon Steels in Pastes. Materials Performance and Characterization, 2017, 6, 531-545. | 0.3 | 3 |
| 9 | The Study of Boroaluminizing in Pastes under Thermocycling and Laser Heating. Advanced Materials Research, 0, 1040, 907-911. | 0.3 | 2 |
| 10 | Boroaluminized Carbon Steel. , 2016, , 346-357. | | 2 |
| 11 | The neural networks application in predicting the geometrical parameters of coatings formed on a steel substrate by laser alloying. IOP Conference Series: Materials Science and Engineering, 2019, 684, 012003. | 0.6 | 1 |
| 12 | Modification of the surface of steel 3Kh2V8F by application B-Al-coatings by methods of thermal-chemical treatment and electron-beam processing. IOP Conference Series: Materials Science and Engineering, 2020, 759, 012017. | 0.6 | 1 |
| 13 | Surface Processing Technology in Improving Operational Properties of Hot-Work Tool Steel. , 0, , . | | 1 |
| 14 | The impact of basic boroaluminizing factors on diffusion layer thickness in low-carbon steels and its mathematical modeling. IOP Conference Series: Materials Science and Engineering, 2018, 411, 012049. | 0.6 | 0 |
| 15 | The study of surface roughness after thermal-chemical treatment and subsequent grinding. Journal of Physics: Conference Series, 2020, 1582, 012087. | 0.4 | 0 |
| 16 | The structure, phase composition, and residual stresses of diffusion boride layers formed by thermal-chemical treatment on the die steel surface. Metal Working and Material Science, 2021, 23, 147-162. | 0.3 | 0 |
| 17 | Effect of Mechanical Activation of the Powder Mixture on the Structure and Properties of Boro-Aluminized Low-Carbon Steels. Metal Working and Material Science, 2020, 22, 151-162. | 0.3 | 0 |
| 18 | Fe-Me-B Diffusion Layers for Surface Modification of Carbon Steels. Defect and Diffusion Forum, 0, 403, 47-56. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Thermodynamic aspects of electron-beam surface modification of low-carbon steel. IOP Conference Series: Materials Science and Engineering, 2021, 1198, 012009. | 0.6 | 0 |
| 20 | Influence of boriding and aluminizing processes on the structure and properties of low-carbon steels. Metal Working and Material Science, 2022, 24, 91-101. | 0.3 | 0 |