

Maxim S Syrtanov

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Nickel-chromium (Ni-Cr) coatings deposited by magnetron sputtering for accident tolerant nuclear fuel claddings. <i>Surface and Coatings Technology</i> , 2019, 369, 69-78. | 4.8 | 55 |
| 2 | Hydrogen-Induced Phase Transformation and Microstructure Evolution for Ti-6Al-4V Parts Produced by Electron Beam Melting. <i>Metals</i> , 2018, 8, 301. | 2.3 | 45 |
| 3 | Influence of Manufacturing Parameters on Microstructure and Hydrogen Sorption Behavior of Electron Beam Melted Titanium Ti-6Al-4V Alloy. <i>Materials</i> , 2018, 11, 763. | 2.9 | 33 |
| 4 | Hot target magnetron sputtering for ferromagnetic films deposition. <i>Surface and Coatings Technology</i> , 2018, 334, 61-70. | 4.8 | 25 |
| 5 | Protection of Zr Alloy under High-Temperature Air Oxidation: A Multilayer Coating Approach. <i>Coatings</i> , 2021, 11, 227. | 2.6 | 19 |
| 6 | Fabrication of Paper-Derived Ti ₃ SiC ₂ -Based Materials by Spark Plasma Sintering. <i>Advanced Engineering Materials</i> , 2020, 22, 2000136. | 3.5 | 18 |
| 7 | Hydrogen effect on Ti-6.5Al-3.5Mo-1.5Zr-0.3Si parts produced by electron beam melting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 29380-29388. | 7.1 | 16 |
| 8 | The Formation of Composite Ti-Al-N Coatings Using Filtered Vacuum Arc Deposition with Separate Cathodes. <i>Metals</i> , 2017, 7, 497. | 2.3 | 14 |
| 9 | Laboratory X-ray Diffraction Complex for In Situ Investigations of Structural Phase Evolution of Materials under Gaseous Atmosphere. <i>Metals</i> , 2020, 10, 447. | 2.3 | 14 |
| 10 | Hydrogen Accumulation and Distribution in Pipeline Steel in Intensified Corrosion Conditions. <i>Materials</i> , 2019, 12, 1409. | 2.9 | 12 |
| 11 | Influence of beam current on microstructure of electron beam melted Ti-6Al-4V alloy. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 440-446. | 4.4 | 11 |
| 12 | Positron annihilation spectroscopy study of defects in hydrogen loaded Zr-1Nb alloy. <i>Journal of Alloys and Compounds</i> , 2019, 798, 685-694. | 5.5 | 10 |
| 13 | Hydrogen Sorption Kinetics of SiC-Coated Zr-1Nb Alloy. <i>Coatings</i> , 2019, 9, 31. | 2.6 | 10 |
| 14 | Pre-ceramic Paper-Derived SiCf/SiCp Composites Obtained by Spark Plasma Sintering: Processing, Microstructure and Mechanical Properties. <i>Materials</i> , 2020, 13, 607. | 2.9 | 10 |
| 15 | Surface Modification of the EBM Ti-6Al-4V Alloy by Pulsed Ion Beam. <i>Metals</i> , 2021, 11, 512. | 2.3 | 9 |
| 16 | Effect of Proton Irradiation on the Defect Evolution of Zr/Nb Nanoscale Multilayers. <i>Metals</i> , 2020, 10, 535. | 2.3 | 8 |
| 17 | Application of Synchrotron Radiation for In Situ XRD Investigation of Zirconium Hydrides Formation at Gas-phase Hydrogenation. <i>Physics Procedia</i> , 2016, 84, 342-348. | 1.2 | 7 |
| 18 | Effect of Hydrogen on the Deformation Behavior and Localization of Plastic Deformation of the Ultrafine-Grained Zr-1Nb Alloy. <i>Metals</i> , 2020, 10, 592. | 2.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Hydrogen Accumulation and Distribution in Titanium Coatings at Gas-Phase Hydrogenation. Metals, 2020, 10, 880. | 2.3 | 6 |
| 20 | Measurements of hydrogenated titanium by electric methods. AIP Conference Proceedings, 2016, , . | 0.4 | 4 |
| 21 | Hydrogen Interaction with Deep Surface Modified Zr-1Nb Alloy by High Intensity Ti Ion Implantation. Metals, 2018, 8, 1081. | 2.3 | 4 |
| 22 | Hydride Rim Formation in E110 Zirconium Alloy during Gas-Phase Hydrogenation. Metals, 2020, 10, 247. | 2.3 | 4 |
| 23 | In Situ Investigation of Thermo-stimulated Decay of Hydrides of Titanium and Zirconium by Means of X-ray Diffraction of Synchrotron Radiation. Physics Procedia, 2016, 84, 337-341. | 1.2 | 3 |
| 24 | Influence of surface state on hydrogen sorption by zirconium alloy Zr1Nb. AIP Conference Proceedings, 2016, , . | 0.4 | 1 |
| 25 | Hydrogen accumulation and distribution in Zr1Nb zirconium alloy after electrochemical and gas-phase hydrogenation. AIP Conference Proceedings, 2016, , . | 0.4 | 1 |
| 26 | <i>In Situ</i> Phase Transformations in CrN/Cr-Di coated E110 Alloy under High Temperature. Key Engineering Materials, 0, 910, 940-946. | 0.4 | 1 |
| 27 | Investigation of hydrogenation parameters influence on the hydrogen sorption rate by titanium with nickel layer. AIP Conference Proceedings, 2016, , . | 0.4 | 0 |
| 28 | Spark Plasma Sintering of Paper-Derived Ti₃AlC₂-Based Composites: Influence of Sintering Temperature. Materials Science Forum, 0, 1016, 1790-1796. | 0.3 | 0 |
| 29 | Stripping of carbon coatings in radio-frequency inductively coupled plasma of H2/Ar. Surface and Coatings Technology, 2021, 427, 127837. | 4.8 | 0 |