

# Maxim S Syrtanov

## List of Publications by Year in descending order

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29  
papers

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docs citations

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times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protection of Zr Alloy under High-Temperature Air Oxidation: A Multilayer Coating Approach. <i>Coatings</i> , 2021, 11, 227.	2.6	19
2	Surface Modification of the EBM Ti-6Al-4V Alloy by Pulsed Ion Beam. <i>Metals</i> , 2021, 11, 512.	2.3	9
3	Stripping of carbon coatings in radio-frequency inductively coupled plasma of H <sub>2</sub> /Ar. <i>Surface and Coatings Technology</i> , 2021, 427, 127837.	4.8	0
4	Hydrogen Accumulation and Distribution in Titanium Coatings at Gas-Phase Hydrogenation. <i>Metals</i> , 2020, 10, 880.	2.3	6
5	Effect of Proton Irradiation on the Defect Evolution of Zr/Nb Nanoscale Multilayers. <i>Metals</i> , 2020, 10, 535.	2.3	8
6	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
7	Hydride Rim Formation in E110 Zirconium Alloy during Gas-Phase Hydrogenation. <i>Metals</i> , 2020, 10, 247.	2.3	4
8	Fabrication of Paper-Derived Ti <sub>3</sub> SiC <sub>2</sub> -Based Materials by Spark Plasma Sintering. <i>Advanced Engineering Materials</i> , 2020, 22, 2000136.	3.5	18
9	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
10	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
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 Accumulation and Distribution in Pipeline Steel in Intensified Corrosion Conditions. <i>Materials</i> , 2019, 12, 1409.	2.9	12
14	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
15	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
16	Hydrogen Sorption Kinetics of SiC-Coated Zr-1Nb Alloy. <i>Coatings</i> , 2019, 9, 31.	2.6	10
17	Hot target magnetron sputtering for ferromagnetic films deposition. <i>Surface and Coatings Technology</i> , 2018, 334, 61-70.	4.8	25
18	Hydrogen Interaction with Deep Surface Modified Zr-1Nb Alloy by High Intensity Ti Ion Implantation. <i>Metals</i> , 2018, 8, 1081.	2.3	4

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19	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
20	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
21	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
22	Measurements of hydrogenated titanium by electric methods. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	4
23	Investigation of hydrogenation parameters influence on the hydrogen sorption rate by titanium with nickel layer. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
24	Influence of surface state on hydrogen sorption by zirconium alloy Zr1Nb. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
25	In Situ Investigation of Thermo-stimulated Decay of Hydrides of Titanium and Zirconium by Means of X-ray Diffraction of Synchrotron Radiation. <i>Physics Procedia</i> , 2016, 84, 337-341.	1.2	3
26	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
27	Hydrogen accumulation and distribution in Zr1Nb zirconium alloy after electrochemical and gas-phase hydrogenation. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
28	Spark Plasma Sintering of Paper-Derived Ti <sub>3</sub> AlC <sub>2</sub> -Based Composites: Influence of Sintering Temperature. <i>Materials Science Forum</i> , 0, 1016, 1790-1796.	0.3	0
29	<i>In Situ</i> Phase Transformations in CrN/Cr-D <sub>2</sub> O-coated E110 Alloy under High Temperature. <i>Key Engineering Materials</i> , 0, 910, 940-946.	0.4	1