

Maksim Starykevich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5193842/publications.pdf>

Version: 2024-02-01

29
papers

837
citations

687363

13
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

754
citing authors

#	ARTICLE	IF	CITATIONS
1	Active protective PEO coatings on AA2024: Role of voltage on in-situ LDH growth. <i>Materials and Design</i> , 2017, 120, 36-46.	7.0	97
2	Plasma anodized ZE41 magnesium alloy sealed with hybrid epoxy-silane coating. <i>Corrosion Science</i> , 2013, 73, 300-308.	6.6	90
3	Degradation behavior of PEO coating on AM50 magnesium alloy produced from electrolytes with clay particle addition. <i>Surface and Coatings Technology</i> , 2015, 269, 155-169.	4.8	90
4	Active corrosion protection coating for a ZE41 magnesium alloy created by combining PEO and sol-gel techniques. <i>RSC Advances</i> , 2016, 6, 12553-12560.	3.6	84
5	Sealing of tartaric sulfuric (TSA) anodized AA2024 with nanostructured LDH layers. <i>RSC Advances</i> , 2016, 6, 13942-13952.	3.6	76
6	A novel bilayer system comprising LDH conversion layer and sol-gel coating for active corrosion protection of AA2024. <i>Corrosion Science</i> , 2018, 143, 299-313.	6.6	76
7	PEO Coatings with Active Protection Based on In-Situ Formed LDH-Nanocontainers. <i>Journal of the Electrochemical Society</i> , 2017, 164, C36-C45.	2.9	67
8	Layered double hydroxide based active corrosion protective sealing of plasma electrolytic oxidation/sol-gel composite coating on AA2024. <i>Applied Surface Science</i> , 2019, 494, 829-840.	6.1	52
9	Electrochemical deposition of zinc from deep eutectic solvent on barrier alumina layers. <i>Electrochimica Acta</i> , 2015, 170, 284-291.	5.2	29
10	Use of synergistic mixture of chelating agents for in situ LDH growth on the surface of PEO-treated AZ91. <i>Scientific Reports</i> , 2020, 10, 8645.	3.3	28
11	Gold nanorods induce early embryonic developmental delay and lethality in zebrafish (<i>Danio rerio</i>). <i>Journal of Applied Toxicology</i> , 2019, 39, 1073-1084.	2.3	24
12	Layered Double Hydroxide Clusters as Precursors of Novel Multifunctional Layers: A Bottom-Up Approach. <i>Coatings</i> , 2019, 9, 328.	2.6	19
13	Electrocatalytic activity of Au nanoparticles onto TiO ₂ nanotubular layers in oxygen electroreduction reaction: size and support effects. <i>Electrochimica Acta</i> , 2016, 222, 1013-1020.	5.2	16
14	Compromising Between Phase Stability and Electrical Performance: SrVO ₃ -SrTiO ₃ Solid Solutions as Solid Oxide Fuel Cell Anode Components. <i>ChemSusChem</i> , 2019, 12, 240-251.	6.8	13
15	Photocatalytic Deposition of Hydroxyapatite onto a Titanium Dioxide Nanotubular Layer with Fine Tuning of Layer Nanoarchitecture. <i>Langmuir</i> , 2016, 32, 4016-4021.	3.5	10
16	A critical look at interpretation of electrochemical impedance spectra of sol-gel coated aluminium. <i>Electrochimica Acta</i> , 2021, 378, 138091.	5.2	10
17	The Influence of PSA Pre-Anodization of AA2024 on PEO Coating Formation: Composition, Microstructure, Corrosion, and Wear Behaviors. <i>Materials</i> , 2018, 11, 2428.	2.9	8
18	Effect of the Anodic Titania Layer Thickness on Electrodeposition of Zinc on Ti/TiO ₂ from Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017, 164, D88-D94.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Spectral sensitization of TiO ₂ with electrodeposited PbSe: improvement of photocurrent stability and light conversion efficiency. <i>Electrochimica Acta</i> , 2017, 249, 369-376.	5.2	7
20	Effect of fluoride-mediated transformations on electrocatalytic performance of thermally treated TiO ₂ nanotubular layers. <i>Journal of Fluorine Chemistry</i> , 2019, 221, 34-41.	1.7	7
21	Electrodeposition of Zinc Nanorods from Ionic Liquid into Porous Anodic Alumina. <i>ChemElectroChem</i> , 2014, 1, 1484-1487.	3.4	5
22	Novel molten phase route for composite CO ₂ separation membranes. <i>Journal of Membrane Science</i> , 2022, 659, 120806.	8.2	5
23	Electrosynthesis of Ordered TiO ₂ Nanotubular Layers in Deep Eutectic Solvents and Their Properties. <i>Journal of the Electrochemical Society</i> , 2019, 166, H377-H386.	2.9	4
24	The Influence of In Situ Anatase Particle Addition on the Formation and Properties of Multifunctional Plasma Electrolytic Oxidation Coatings on AA2024 Aluminum Alloy. <i>Advanced Engineering Materials</i> , 2021, 23, 2001527.	3.5	4
25	Modification of Porous Titania Templates for Uniform Metal Electrodeposition from Deep Eutectic Solvent. <i>Journal of the Electrochemical Society</i> , 2017, 164, D335-D341.	2.9	3
26	High-pressure zinc oxysulphide phases in the ZnO-ZnS system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 791-795.	1.8	2
27	Metastable perovskite Bi _{1-x} La _x Fe _{0.5} Sc _{0.5} O ₃ phases in the range of the compositional crossover. <i>Phase Transitions</i> , 2017, 90, 831-839.		2
28	Electrode protective barrier layers for molten carbonate confinement. <i>International Journal of Energy Research</i> , 2021, 45, 2945-2958.	4.5	1
29	UV-assisted anchoring of gold nanoparticles into TiO ₂ nanotubes for oxygen electroreduction. <i>Journal of Electroanalytical Chemistry</i> , 2022, 904, 115844.	3.8	1