

# Maksim Starykevich

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	UV-assisted anchoring of gold nanoparticles into TiO <sub>2</sub> nanotubes for oxygen electroreduction. Journal of Electroanalytical Chemistry, 2022, 904, 115844.	1.9	1
2	Novel molten phase route for composite CO <sub>2</sub> separation membranes. Journal of Membrane Science, 2022, 659, 120806.	4.1	5
3	Electrode protective barrier layers for molten carbonate confinement. International Journal of Energy Research, 2021, 45, 2945-2958.	2.2	1
4	The Influence of In Situ Anatase Particle Addition on the Formation and Properties of Multifunctional Plasma Electrolytic Oxidation Coatings on AA2024 Aluminum Alloy. Advanced Engineering Materials, 2021, 23, 2001527.	1.6	4
5	A critical look at interpretation of electrochemical impedance spectra of sol-gel coated aluminium. Electrochimica Acta, 2021, 378, 138091.	2.6	10
6	Use of synergistic mixture of chelating agents for in situ LDH growth on the surface of PEO-treated AZ91. Scientific Reports, 2020, 10, 8645.	1.6	28
7	Layered double hydroxide based active corrosion protective sealing of plasma electrolytic oxidation/sol-gel composite coating on AA2024. Applied Surface Science, 2019, 494, 829-840.	3.1	52
8	Layered Double Hydroxide Clusters as Precursors of Novel Multifunctional Layers: A Bottom-Up Approach. Coatings, 2019, 9, 328.	1.2	19
9	Electrosynthesis of Ordered TiO <sub>2</sub> Nanotubular Layers in Deep Eutectic Solvents and Their Properties. Journal of the Electrochemical Society, 2019, 166, H377-H386.	1.3	4
10	Effect of fluoride-mediated transformations on electrocatalytic performance of thermally treated TiO <sub>2</sub> nanotubular layers. Journal of Fluorine Chemistry, 2019, 221, 34-41.	0.9	7
11	Compromising Between Phase Stability and Electrical Performance: SrVO <sub>3</sub> /SrTiO <sub>3</sub> Solid Solutions as Solid Oxide Fuel Cell Anode Components. ChemSusChem, 2019, 12, 240-251.	3.6	13
12	The Influence of PSA Pre-Anodization of AA2024 on PEO Coating Formation: Composition, Microstructure, Corrosion, and Wear Behaviors. Materials, 2018, 11, 2428.	1.3	8
13	A novel bilayer system comprising LDH conversion layer and sol-gel coating for active corrosion protection of AA2024. Corrosion Science, 2018, 143, 299-313.	3.0	76
14	PEO Coatings with Active Protection Based on In-Situ Formed LDH-Nanocontainers. Journal of the Electrochemical Society, 2017, 164, C36-C45.	1.3	67
15	Effect of the Anodic Titania Layer Thickness on Electrodeposition of Zinc on Ti/TiO <sub>2</sub> from Deep Eutectic Solvent. Journal of the Electrochemical Society, 2017, 164, D88-D94.	1.3	7
16	Active protective PEO coatings on AA2024: Role of voltage on in-situ LDH growth. Materials and Design, 2017, 120, 36-46.	3.3	97
17	Metastable perovskite Bi <sub>1-x</sub> La <sub>x</sub> Fe <sub>0.5</sub> Sc <sub>0.5</sub> O <sub>3</sub> phases in the range of the compositional crossover. Phase Transitions, 2017, 90, 831-839.		2
18	Modification of Porous Titania Templates for Uniform Metal Electrodeposition from Deep Eutectic Solvent. Journal of the Electrochemical Society, 2017, 164, D335-D341.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Spectral sensitization of TiO <sub>2</sub> with electrodeposited PbSe: improvement of photocurrent stability and light conversion efficiency. <i>Electrochimica Acta</i> , 2017, 249, 369-376.	2.6	7
20	Gold nanorods induce early embryonic developmental delay and lethality in zebrafish ( <i>Danio rerio</i> ). <i>Journal of Materials Chemistry B</i> , 2017, 5, 1024-1030.	1.1	24
21	Electrocatalytic activity of Au nanoparticles onto TiO <sub>2</sub> nanotubular layers in oxygen electroreduction reaction: size and support effects. <i>Electrochimica Acta</i> , 2016, 222, 1013-1020.	2.6	16
22	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.	1.7	84
23	Photocatalytic Deposition of Hydroxyapatite onto a Titanium Dioxide Nanotubular Layer with Fine Tuning of Layer Nanoarchitecture. <i>Langmuir</i> , 2016, 32, 4016-4021.	1.6	10
24	Sealing of tartaric sulfuric (TSA) anodized AA2024 with nanostructured LDH layers. <i>RSC Advances</i> , 2016, 6, 13942-13952.	1.7	76
25	High-pressure zinc oxysulphide phases in the ZnS-ZnO system. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 791-795.	0.8	2
26	Electrochemical deposition of zinc from deep eutectic solvent on barrier alumina layers. <i>Electrochimica Acta</i> , 2015, 170, 284-291.	2.6	29
27	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.	2.2	90
28	Electrodeposition of Zinc Nanorods from Ionic Liquid into Porous Anodic Alumina. <i>ChemElectroChem</i> , 2014, 1, 1484-1487.	1.7	5
29	Plasma anodized ZE41 magnesium alloy sealed with hybrid epoxy-silane coating. <i>Corrosion Science</i> , 2013, 73, 300-308.	3.0	90