

# Maxim Yu Maximov

## List of Publications by Year in descending order

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32  
papers

359  
citations

933447

10  
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839539

18  
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32  
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32  
docs citations

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times ranked

403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic Layer Deposition of NiO to Produce Active Material for Thin-Film Lithium-Ion Batteries. <i>Coatings</i> , 2019, 9, 301.	2.6	57
2	Biomass-Derived Oxygen and Nitrogen Co-Doped Porous Carbon with Hierarchical Architecture as Sulfur Hosts for High-Performance Lithium/Sulfur Batteries. <i>Nanomaterials</i> , 2017, 7, 402.	4.1	45
3	Atomic layer deposition of tin oxide using tetraethyltin to produce high-capacity Li-ion batteries. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	2.1	31
4	Li-rich and Ni-rich transition metal oxides: Coating and core-shell structures. <i>Applied Surface Science</i> , 2019, 474, 25-33.	6.1	27
5	Inkjet Printing of Li-Rich Cathode Material for Thin-Film Lithium-Ion Microbatteries. <i>Energy Technology</i> , 2020, 8, 1901086.	3.8	27
6	Atomic Layer Deposition of Lithium-Nickel-Silicon Oxide Cathode Material for Thin-Film Lithium-Ion Batteries. <i>Energies</i> , 2020, 13, 2345.	3.1	24
7	Characterization and Electrochemical Performance at High Discharge Rates of Tin Dioxide Thin Films Synthesized by Atomic Layer Deposition. <i>Journal of Electronic Materials</i> , 2017, 46, 6571-6577.	2.2	22
8	Antibacterial and Osteogenic Properties of Ag Nanoparticles and Ag/TiO <sub>2</sub> Nanostructures Prepared by Atomic Layer Deposition. <i>Journal of Functional Biomaterials</i> , 2022, 13, 62.	4.4	16
9	Cyclic stability of the anode material based on tin(IV) oxide for thin-film current sources. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 679-681.	0.5	14
10	Low-temperature deposition of tin(IV) oxide films for thin-film power sources. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 805-808.	0.5	12
11	Atomic Layer Deposition of Ni-Co-O Thin-Film Electrodes for Solid-State LIBs and the Influence of Chemical Composition on Overcapacity. <i>Nanomaterials</i> , 2021, 11, 907.	4.1	12
12	Improvement of the cycle life of LiCoO <sub>2</sub> -based electrodes used in lithium-ion batteries. <i>Russian Journal of Applied Chemistry</i> , 2015, 88, 898-899.	0.5	9
13	Synthesis and electrochemical performance of the Li-rich cathode material Li <sub>1.17</sub> Ni <sub>0.12</sub> Co <sub>0.13</sub> Mn <sub>0.58</sub> O <sub>2</sub> for lithium-ion batteries. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 1607-1611.	0.5	8
14	Interconnected nitrogen-doped carbon nanofibers derived from polypyrrole for high-performance Li/S batteries. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 1336-1340.	0.5	8
15	Synthesis of Li-ion Battery Cathode Materials Based on Lithiated Transition Metal Oxides by Spray Method. <i>Russian Journal of Applied Chemistry</i> , 2018, 91, 53-57.	0.5	7
16	The Effects of Chemical Etching and Ultra-Fine Grain Structure of Titanium on MG-63 Cells Response. <i>Metals</i> , 2021, 11, 510.	2.3	6
17	Study of Structural Changes in LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> Cathode Material for Lithium-Ion Batteries by X-Ray Diffraction Analysis in the In Situ Mode. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1013-1019.	0.5	5
18	Development of the titanium meshes by selective laser melting and chemical etching for using as medical implants. <i>Materials Today: Proceedings</i> , 2020, 30, 746-751.	1.8	5

#	ARTICLE	IF	CITATIONS
19	The Use of the TMA as Stabilizing Reagent for the Li-O System Obtained by Atomic Layer Deposition. Key Engineering Materials, 0, 822, 787-794.	0.4	4
20	Inks Development for 3D Printing Cathode of Li-Ion Microbatteries. Proceedings (mdpi), 2019, 3, 7.	0.2	3
21	Features of the synthesis of lithium-based ternary oxide nanofilms by atomic layer deposition with LHMDs for thin-film LIBs. Materials Today: Proceedings, 2020, 25, 6-12.	1.8	3
22	Application of polymethyl methacrylate in cathode materials of lithium-ion batteries. Russian Journal of Applied Chemistry, 2015, 88, 1633-1636.	0.5	2
23	Atomic layer deposition of tin oxide nanofilms using tetraethyltin. , 2016, , .		2
24	Microscopic study of Ni-rich cathode formation from ALD multilayered thin films. Materials Letters, 2022, 307, 130990.	2.6	2
25	MG-63 and FetMSC Cell Response on Atomic Layer Deposited TiO <sub>2</sub> Nanolayers Prepared Using Titanium Tetrachloride and Tetraisopropoxide. Coatings, 2022, 12, 668.	2.6	2
26	Synthesis of Tungsten Diselenide Nanoparticles by Chemical Vapor Condensation Method. Medziagotyra, 2015, 21, .	0.2	1
27	Technological and economic perspectives for development and manufacturing of cathode materials for lithium-ion batteries for transport industry. SHS Web of Conferences, 2018, 44, 00048.	0.2	1
28	Atomic Layer Deposition of Lithium-Silicon-Tin Oxide Nanofilms for High Performance Thin Film Batteries Anodes. Solid State Phenomena, 0, 299, 1058-1063.	0.3	1
29	Plasma Enhanced Atomic Layer Deposition of Tantalum (V) Oxide. Coatings, 2021, 11, 1206.	2.6	1
30	Atomic Layer Deposition of the Lithium-Silicon-Tin Oxide System for Solid-State Thin-Film Lithium Batteries. Russian Metallurgy (Metally), 2020, 2020, 1643-1643.	0.5	1
31	Electrochemical activity and SEI formation inhibition of Al in Ni-Al-O ALD thin films. Ionics, 2022, 28, 259-271.	2.4	1
32	Atomic Layer Deposition of Li-Me-O Thin Films as Electrode Materials for Nanodevices Power Sources. Proceedings (mdpi), 2018, 3, .	0.2	0