

# Liudmila A Yolshina

## List of Publications by Year in descending order

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44  
papers

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758635

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752256

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Features of aluminum electrodeposition from 1,3-dialkylimidazolium chloride chloroaluminate ionic liquids. <i>Journal of Molecular Liquids</i> , 2022, 351, 118693.	2.3	5
2	Synthesis and properties of azines functionalized graphene with extremely high adsorptive ability to Eu <sup>3+</sup> ions. <i>FlatChem</i> , 2022, 33, 100348.	2.8	1
3	Corrosion Behavior of Aluminum–Graphene and Aluminum–Graphite Composite Materials in a 3% NaCl Aqueous Solution. <i>Russian Metallurgy (Metally)</i> , 2022, 2022, 153-160.	0.1	3
4	Effect of Grain Size on the Properties of Aluminum Matrix Composites with Graphene. <i>Metals</i> , 2022, 12, 1054.	1.0	9
5	Fast-charged aluminum-ion battery with aluminum-graphene nanocomposite anode. <i>Ionics</i> , 2021, 27, 249-258.	1.2	12
6	Mechanical properties of submicrocrystalline aluminium matrix composites reinforced by <i>in situ</i> graphene through severe plastic deformation processes. <i>Journal of Alloys and Compounds</i> , 2021, 859, 158387.	2.8	19
7	Calculation of the Molar Concentrations of Ions in the Molten System AlCl <sub>3</sub> –1-Butyl-3-Methylimidazolium Chloride. <i>Russian Metallurgy (Metally)</i> , 2021, 2021, 246-252.	0.1	5
8	Electrochemical Synthesis of Graphene in Molten Salts. <i>Russian Metallurgy (Metally)</i> , 2021, 2021, 206-212.	0.1	2
9	SEM and XPS Study of Cr <sup>6+</sup> Removal from Wastewater via Reduction and Adsorption by Hierarchically Structured Carbon Composite in Neutral Media. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3624-3635.	1.9	10
10	Molten salt synthesis and characterization of 1D sodium hexatitanate nanowires. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100398.	2.0	6
11	Electrochemical Synthesis of Titanium Oxide Nanopowders in a Molten Mixture of Alkali Chlorides and Nitrates. <i>Russian Metallurgy (Metally)</i> , 2021, 2021, 1029-1035.	0.1	2
12	Transport numbers in the basic 1-butyl-3-methylimidazolium chloroaluminate ionic liquid. <i>Journal of Molecular Liquids</i> , 2021, 335, 116147.	2.3	8
13	Electrodeposition of aluminium from the chloroaluminate ionic liquid 1-ethyl-3-methylimidazolium chloride. <i>Electrochimica Acta</i> , 2021, 389, 138715.	2.6	8
14	Study of thermal stability of hierarchical structured carbon composite flakes. <i>Diamond and Related Materials</i> , 2021, 119, 108556.	1.8	9
15	Raman spectroscopy study of graphene formed by <i>in situ</i> chemical interaction of an organic precursor with a molten aluminium matrix. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 221-231.	1.2	7
16	Effects of AlCl <sub>3</sub> –1-ethyl-3-methylimidazolium chloride ionic liquid composition on transport properties. <i>Journal of Molecular Liquids</i> , 2020, 320, 114482.	2.3	11
17	Synthesis of a Nanocrystalline $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Powder in Molten Halides in the Temperature Range 700–800 °C. <i>Russian Metallurgy (Metally)</i> , 2020, 2020, 138-141.	0.1	10
18	The Effect of Graphene Additives on the Structure and Properties of Aluminum. <i>Physics of Metals and Metallography</i> , 2020, 121, 1193-1202.	0.3	7

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19	Development of a novel 1-trifluoroacetyl piperidine-based electrolyte for aluminum ion battery. <i>Electrochimica Acta</i> , 2019, 323, 134806.	2.6	16
20	Molecular Dynamics Study of the Formation of Solid Al-C Nanocomposites. <i>Russian Journal of Physical Chemistry B</i> , 2018, 12, 403-411.	0.2	6
21	A fracture locus for a 1 wt% aluminum-graphene metal matrix composite at 300°C. <i>Letters on Materials</i> , 2018, 8, 184-189.	0.2	1
22	Synthesis of and characterization of freestanding, high-hierarchically structured graphene-nanodiamond films. <i>Materials and Design</i> , 2017, 135, 343-352.	3.3	14
23	Synthesis of new metal-matrix Al-Al <sub>2</sub> O <sub>3</sub> -graphene composite materials. <i>Russian Metallurgy (Metally)</i> , 2017, 2017, 631-641.	0.1	16
24	Enhancement of the mechanical properties of aluminum-graphene composites. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	17
25	Molecular dynamic study of the mechanism of formation of 2D carbon nanostructures in a solid Al-C nanocomposite grain. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 2444-2448.	0.1	7
26	Chemical interaction of liquid aluminum with metal oxides in molten salts. <i>Materials and Design</i> , 2016, 105, 124-132.	3.3	12
27	Novel aluminum-graphene and aluminum-graphite metallic composite materials: Synthesis and properties. <i>Journal of Alloys and Compounds</i> , 2016, 663, 449-459.	2.8	148
28	Formation of titanium diboride coatings during the anodic polarization of titanium in a chloride melt with a low boron oxide content. <i>Russian Metallurgy (Metally)</i> , 2015, 2015, 162-169.	0.1	0
29	Diamond synthesis in aluminum matrix in molten alkali-halide at ambient pressure. <i>Diamond and Related Materials</i> , 2015, 55, 1-11.	1.8	11
30	A novel electrochemical method for the synthesis of boron doped graphene in the molten salt electrolyte. <i>Synthetic Metals</i> , 2015, 205, 85-91.	2.1	6
31	Novel lead-graphene and lead-graphite metallic composite materials for possible applications as positive electrode grid in lead-acid battery. <i>Journal of Power Sources</i> , 2015, 278, 87-97.	4.0	39
32	Corrosion-electrochemical properties of the anodic oxide films formed on aluminum in a chloride-nitrate melt in a 0.5 M Aqueous NaCl solution. <i>Russian Metallurgy (Metally)</i> , 2014, 2014, 85-96.	0.1	0
33	Corrosion and electrochemical behavior of aluminium treated with high-temperature pulsed plasma in CsCl-NaCl-NaNO <sub>3</sub> melt. <i>Corrosion Science</i> , 2011, 53, 2015-2026.	3.0	6
34	Effect of plasma treatment on corrosion-electrochemical interaction between titanium and chloride-nitrate melt. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2010, 46, 587-592.	0.3	3
35	Process of electroless deposition of zinc and lead on aluminum in electrolyte melt by contact exchange method. <i>Surface and Coatings Technology</i> , 2010, 204, 4057-4065.	2.2	1
36	The influence of formation conditions on the electrochemical behavior of lead oxide in sulfuric acid solution. <i>Journal of Power Sources</i> , 2009, 191, 36-41.	4.0	13

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37	Effect of plasma treatment on corrosion-electrochemical behavior of titanium in molten mixture of cesium and sodium chlorides. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2009, 45, 724-729.	0.3	0
38	Effect of the salt melt composition, temperature, and interaction time on the contact exchange reaction in the MCl-PbCl <sub>2</sub> -MeN systems. <i>Atomic Energy</i> , 2008, 104, 450-455.	0.1	1
39	High-temperature electrochemical synthesis of oxide thin films and nanopowders of some metal oxides. <i>Glass Physics and Chemistry</i> , 2008, 34, 617-622.	0.2	8
40	The mechanism of formation of thin oxide coatings and nanopowders at the anodic oxidation of zirconium in molten salts. <i>Protection of Metals</i> , 2008, 44, 257-262.	0.2	2
41	Creation of thin oxide coatings and oxide nanopowders by anodic oxidation of metals in molten salts. <i>Russian Journal of Inorganic Chemistry</i> , 2008, 53, 539-544.	0.3	5
42	A lead film electrode on an aluminium substrate to serve as a lead acid battery plate. <i>Journal of Power Sources</i> , 1999, 78, 84-87.	4.0	17
43	Development of an electrode for lead-acid batteries possessing a high electrochemical utilization factor and invariable cycling characteristics. <i>Journal of Power Sources</i> , 1997, 65, 71-76.	4.0	16
44	Electrochemical behaviour of lead film electrodes on copper and aluminum in sulfuric acid solutions. , 0, , .		0