

Larisa B Gulina

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pt nanoparticles synthesized by successive ionic layers deposition method and their electrocatalytic properties in hydrogen evolution reaction during water splitting in the acidic medium. Journal of Alloys and Compounds, 2022, 901, 163640.	5.5	12
2	Oxygen Generation Using Catalytic Nano/Micromotors. Micromachines, 2021, 12, 1251.	2.9	10
3	Gas-Solution Interface Technique as a simple method to produce inorganic microtubes with scroll morphology. Progress in Natural Science: Materials International, 2020, 30, 279-288.	4.4	10
4	Anomalously High Fluorine Mobility in Tysonite-Like LaF ₃ :ScF ₃ Nanocrystals: NMR Diffusion Data. Applied Magnetic Resonance, 2020, 51, 1691-1699.	1.2	2
5	Morphological and dynamical evolution of lanthanum fluoride 2D nanocrystals at thermal treatment. Solid State Ionics, 2020, 352, 115354.	2.7	3
6	Synthesis of the FeOOH Microtubes with Inner Surface Modified by Ag Nanoparticles. ACS Omega, 2020, 5, 15728-15733.	3.5	15
7	Interface-Assisted Synthesis of the Mn ₃ Fe ₂ O ₄ Gradient Film with Multifunctional Properties. Langmuir, 2019, 35, 14983-14989.	3.5	4
8	Sol-gel xerogel transformations in the thin layer at the salt solution-gaseous reagent interface and the synthesis of new materials with microtubular morphology. Journal of Sol-Gel Science and Technology, 2019, 92, 342-348.	2.4	1
9	Ni(II) doped FeOOH 2D nanocrystals, synthesized by Successive Ionic Layer Deposition, and their electrocatalytic properties during oxygen evolution reaction upon water splitting in the alkaline medium. Journal of Alloys and Compounds, 2019, 786, 198-204.	5.5	24
10	Ordered honeycomb-like network of MnO ₂ ·nH ₂ O nanocrystals formed on the surface of a Mn(OAc) ₂ solution drop upon interaction with O ₃ gas. Mendeleev Communications, 2019, 29, 713-715.	1.6	7
11	Formation of Ordered Honeycomb-like Structures of Manganese Oxide 2D Nanocrystals with the Birnessite-like Structure and Their Electrocatalytic Properties during Oxygen Evolution Reaction upon Water Splitting in an Alkaline Medium. ACS Omega, 2019, 4, 22203-22208.	3.5	5
12	Influence of Morphology of LaF ₃ Nano-crystals on Fluorine Dynamics Studied by NMR Diffusometry. Applied Magnetic Resonance, 2019, 50, 579-588.	1.2	5
13	Thin layers formed by the oriented 2D nanocrystals of birnessite-type manganese oxide as a new electrochemical platform for ultrasensitive nonenzymatic hydrogen peroxide detection. Journal of Solid State Electrochemistry, 2019, 23, 573-582.	2.5	9
14	Synthesis of Fe(OH) ₃ Microtubes at the Gas-Solution Interface and Their Use for the Fabrication of Fe ₂ O ₃ and Fe Microtubes. European Journal of Inorganic Chemistry, 2018, 2018, 1842-1846.	2.0	10
15	Flower-like silver nanocrystals: facile synthesis via a gas-solution interface technique. Journal of Materials Science, 2018, 53, 8161-8169.	3.7	9
16	Strong negative thermal expansion in the hexagonal polymorph of ScF ₃ . CrystEngComm, 2018, 20, 2768-2771.	2.6	9
17	Interface-Assisted Synthesis of Single-Crystalline ScF ₃ Microtubes. Inorganic Chemistry, 2018, 57, 9779-9781.	4.0	8
18	Formation of Fe and Fe ₂ O ₃ Microspirals via Interfacial Synthesis. Particle and Particle Systems Characterization, 2018, 35, 1800186.	2.3	6

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19	Formation of oriented LaF ₃ and LaF ₃ :Eu ³⁺ nanocrystals at the gas–Solution interface. Journal of Fluorine Chemistry, 2017, 200, 18-23.	1.7	18
20	Facile synthesis of scandium fluoride oriented single-crystalline rods and urchin-like structures by a gas–solution interface technique. CrystEngComm, 2017, 19, 5412-5416.	2.6	13
21	Facile synthesis of 2D silver nanocrystals by a gas–solution interface technique. Mendeleev Communications, 2017, 27, 634-636.	1.6	12
22	The effect of microtube formation with walls, containing Fe ₃ O ₄ nanoparticles, via gas solution interface technique by hydrolysis of the FeCl ₂ and FeCl ₃ mixed solution with gaseous ammonia. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 471-475.	0.4	8
23	The interaction of gaseous SiF ₄ and HF with surface of aqueous solution of LaCl ₃ leading to the formation of the LaF ₃ ·SiO ₂ ·nH ₂ O nanocomposite and microtubes on its basis. Russian Journal of General Chemistry, 2016, 86, 2689-2692.	0.8	7
24	Synthesis and NMR investigation of 2D nanocrystals of the LaF ₃ doped by SrF ₂ . Journal of Fluorine Chemistry, 2016, 188, 185-190.	1.7	16
25	A novel oxidation–reduction route for successive ionic layer deposition of NiO _{1+x} ·nH ₂ O nanolayers and their capacitive performance. Materials Research Bulletin, 2016, 76, 229-234.	5.2	7
26	Synthesis of LaF ₃ nanosheets with high fluorine mobility investigated by NMR relaxometry and diffusometry. Journal of Chemical Physics, 2015, 143, 234702.	3.0	14
27	SYNTHESIS OF METAL OXIDE-BASED NANOCOMPOSITES AND MULTICOMPONENT COMPOUNDS USING LAYER-BY-LAYER METHOD AND PROSPECTS FOR THEIR APPLICATION. Jurnal Teknologi (Sciences and) Tj ETQq1 1 00784314 rgBT /Ove		
28	The influence of gold nanoparticles on the conductivity response of SnO ₂ -based thin film gas sensors. Applied Surface Science, 2015, 353, 793-803.	6.1	43
29	Facile synthesis of LaF ₃ strained 2D nanoparticles and microtubes at solution–gas interface. Journal of Fluorine Chemistry, 2015, 180, 117-121.	1.7	22
30	SnO ₂ Films Decorated by Au Clusters and their Gas Sensing Properties. Materials Science Forum, 2015, 827, 251-256.	0.3	10
31	Synthesis by successive ionic layer deposition (SILD) methodology and characterization of gold nanoclusters on the surface of tin and indium oxide films. Pure and Applied Chemistry, 2014, 86, 801-817.	1.9	20
32	Catalytically Active Filters Deposited by SILD Method for Inhibiting Sensitivity to Ozone of SnO ₂ -Based Conductometric Gas Sensors. Ferroelectrics, 2014, 459, 46-51.	0.6	13
33	Direct synthesis of Co ₂ Al(OH) ₇ ·2x(CO ₃)·x·nH ₂ O layered double hydroxide nanolayers by successive ionic layer deposition and their capacitive performance. Applied Surface Science, 2014, 320, 609-613.	6.1	21
34	Reaction of gaseous hydrogen fluoride with the surface of lanthanum chloride solution to form LaF ₃ ·nH ₂ O film and microtubes thereof. Russian Journal of General Chemistry, 2014, 84, 1472-1475.	0.8	17
35	Synthesis of Birnessite Structure Layers at the Solution–Air Interface and the Formation of Microtubules from Them. Langmuir, 2014, 30, 8366-8372.	3.5	31
36	Ozone interaction with manganese acetate solution. Formation of H _x MnO ₂ ·nH ₂ O layers and microtubes based on them. Russian Journal of General Chemistry, 2013, 83, 1635-1639.	0.8	19

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37	Photoluminescence of porous silicon coated by SILD method with LaF ₃ nanolayers. <i>Current Applied Physics</i> , 2013, 13, 1625-1629.	2.4	7
38	Gas sensor application of Ag nanoclusters synthesized by SILD method. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 402-410.	7.8	37
39	SnO ₂ @Au nanocomposite synthesized by successive ionic layer deposition method: Characterization and application in gas sensors. <i>Materials Chemistry and Physics</i> , 2011, 128, 433-441.	4.0	28
40	Synthesis and study of cerium(IV) polytungstate nanolayers. <i>Russian Journal of General Chemistry</i> , 2011, 81, 1075-1077.	0.8	2
41	Ag nanoclusters synthesized by successive ionic layer deposition method and their characterization. <i>Journal of Materials Science</i> , 2011, 46, 4555-4561.	3.7	20
42	Silver nanoribbons synthesized on a silicon surface by the "layer-by-layer" technique. <i>Russian Journal of General Chemistry</i> , 2010, 80, 1149-1151.	0.8	5
43	Layers of nanocomposite FeOOH·xH ₃ PW ₁₂ O ₄₀ synthesized by ion-colloid layering. <i>Russian Journal of Applied Chemistry</i> , 2010, 83, 151-153.	0.5	3
44	Ag x -SnO ₂ nanocomposite layers synthesized by ionic layer deposition onto silica surface. <i>Russian Journal of Applied Chemistry</i> , 2010, 83, 1525-1528.	0.5	3
45	Hydrogen production from nano-porous Si powder formed by stain etching. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6773-6778.	7.1	51
46	Ozone sensors based on SnO ₂ films modified by SnO ₂ @Au nanocomposites synthesized by the SILD method. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 512-517.	7.8	36
47	SnO ₂ thin films modified by the SnO ₂ @Au nanocomposites: Response to reducing gases. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 610-616.	7.8	30
48	Synthesis of the nanocomposite SnO ₂ -Au x 0 -(H ₃ PW ₁₂ O ₄₀) y · nH ₂ O layers on the silica surface by the layer-by-layer method. <i>Russian Journal of General Chemistry</i> , 2009, 79, 882-884.	0.8	1
49	Peculiarities of gas sensing characteristics of SnO ₂ -based sensors modified by SnO ₂ -Au nanocomposites synthesized by SILD method. <i>Journal of Sensor Science and Technology</i> , 2009, 18, 417-422.	0.2	0
50	Layers of xCuS-SiO ₂ ·nH ₂ O nanocomposite, synthesized by the layer-by-layer technique. <i>Russian Journal of General Chemistry</i> , 2008, 78, 518-520.	0.8	1
51	Layer-by-layer synthesis and study of nanostructured Pb ₄ Sb ₆ S _{6.5} layers. <i>Russian Journal of General Chemistry</i> , 2008, 78, 1133-1134.	0.8	0
52	Sb ₂ S ₃ -SiO ₂ nanocomposite layers synthesized using the layer-by-layer technique. <i>Russian Journal of Applied Chemistry</i> , 2008, 81, 1068-1070.	0.5	1
53	In _{0.22} Sn _{0.33} (OH) ₄ nanolayers synthesized by the layer-by-layer technique. <i>Russian Journal of General Chemistry</i> , 2007, 77, 987-989.	0.8	1
54	Synthesis of nanolayers hydroxo-(Sn _x O _y H _z) and heteropoly-(H _x PW _y O _z) compounds of hybrid-type on silica surfaces by successive ionic layer deposition method. <i>Applied Surface Science</i> , 2004, 221, 197-202.	6.1	12

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55	Synthesis on Silica Surface by the Ionic Deposition Technique of Nanolayers of Heteropolycompounds on the Basis of Phosphomolybdic Acid. Russian Journal of General Chemistry, 2004, 74, 327-330.	0.8	2
56	The synthesis by successive ionic layer deposition of SnMo _{0.6} O _y ·nH ₂ O nanolayers on silica. Thin Solid Films, 2003, 440, 74-77.	1.8	16
57	Synthesis of Ag ₇ SbS ₆ Nanolayers on the Silica Surface by Ionic Layer Deposition. Russian Journal of General Chemistry, 2002, 72, 840-843.	0.8	1
58	Title is missing!. Russian Journal of Applied Chemistry, 2001, 74, 1955-1957.	0.5	1