Larisa B Gulina

List of Publications by Year
in descending order

58	703	516710 16	610901 24
papers	citations	h-index	g-index

58	58	58	634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen production from nano-porous Si powder formed by stain etching. International Journal of Hydrogen Energy, 2010, 35, 6773-6778.	7.1	51
2	The influence of gold nanoparticles on the conductivity response of SnO2-based thin film gas sensors. Applied Surface Science, 2015, 353, 793-803.	6.1	43
3	Gas sensor application of Ag nanoclusters synthesized by SILD method. Sensors and Actuators B: Chemical, 2012, 166-167, 402-410.	7.8	37
4	Ozone sensors based on SnO2 films modified by SnO2â€“Au nanocomposites synthesized by the SILD method. Sensors and Actuators B: Chemical, 2009, 138, 512-517.	7.8	36
5	Synthesis of Birnessite Structure Layers at the Solutionâ€“Air Interface and the Formation of Microtubules from Them. Langmuir, 2014, 30, 8366-8372.	3.5	31
6	SnO2 thin films modified by the SnO2â€“Au nanocomposites: Response to reducing gases. Sensors and Actuators B: Chemical, 2009, 141, 610-616.	7.8	30
7	SnO2â€“Au nanocomposite synthesized by successive ionic layer deposition method: Characterization and application in gas sensors. Materials Chemistry and Physics, 2011, 128, 433-441.	4.0	28
8	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
9	Facile synthesis of LaF3 strained 2D nanoparticles and microtubes at solutionâ€“gas interface. Journal of Fluorine Chemistry, 2015, 180, 117-121.	1.7	22
10	Direct synthesis of Co 2 Al(OH) 7â^'2x (CO 3) x Â· n H 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
11	Ag nanoclusters synthesized by successive ionic layer deposition method and their characterization. Journal of Materials Science, 2011, 46, 4555-4561.	3.7	20
12	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
13	Ozone interaction with manganese acetate solution. Formation of H x MnO2Â·nH2O layers and microtubes based on them. Russian Journal of General Chemistry, 2013, 83, 1635-1639.	0.8	19
14	Formation of oriented LaF 3 and LaF 3 :Eu 3+ nanocrystals at the gas â^' Solution interface. Journal of Fluorine Chemistry, 2017, 200, 18-23.	1.7	18
15	Reaction of gaseous hydrogen fluoride with the surface of lanthanum chloride solution to form LaF3Â·nH2O film and microtubes thereof. Russian Journal of General Chemistry, 2014, 84, 1472-1475.	0.8	17
16	The synthesis by successive ionic layer deposition of SnMo0.6OyÂ·nH2O nanolayers on silica. Thin Solid Films, 2003, 440, 74-77.	1.8	16
17	Synthesis and NMR investigation of 2D nanocrystals of the LaF3 doped by SrF2. Journal of Fluorine Chemistry, 2016, 188, 185-190.	1.7	16
18	Synthesis of the FeOOH Microtubes with Inner Surface Modified by Ag Nanoparticles. ACS Omega, 2020, 5, 15728-15733.	3.5	15

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19	Synthesis of LaF3 nanosheets with high fluorine mobility investigated by NMR relaxometry and diffusometry. Journal of Chemical Physics, 2015, 143, 234702.	3.0	14
20	Catalytically Active Filters Deposited by SILD Method for Inhibiting Sensitivity to Ozone of SnO2-Based Conductometric Gas Sensors. Ferroelectrics, 2014, 459, 46-51.	0.6	13
21	Facile synthesis of scandium fluoride oriented single-crystalline rods and urchin-like structures by a gasâ€“solution interface technique. CrystEngComm, 2017, 19, 5412-5416.	2.6	13
22	Synthesis of nanolayers hydroxo-(SnxOyHz) and heteropoly-(HxPWyOz) compounds of hybrid-type on silica surfaces by successive ionic layer deposition method. Applied Surface Science, 2004, 221, 197-202.	6.1	12
23	Facile synthesis of 2D silver nanocrystals by a gasâ€“solution interface technique. Mendeleev Communications, 2017, 27, 634-636.	1.6	12
24	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
25	SnO₂ Films Decorated by Au Clusters and their Gas Sensing Properties. Materials Science Forum, 2015, 827, 251-256.	0.3	10
26	Synthesis of Fe(OH)₃ Microtubes at the Gasâ€“Solution Interface and Their Use for the Fabrication of Fe₂O₃ and Fe Microtubes. European Journal of Inorganic Chemistry, 2018, 2018, 1842-1846.	2.0	10
27	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
28	Oxygen Generation Using Catalytic Nano/Micromotors. Micromachines, 2021, 12, 1251.	2.9	10
29	Flower-like silver nanocrystals: facile synthesis via a gasâ€“solution interface technique. Journal of Materials Science, 2018, 53, 8161-8169.	3.7	9
30	Strong negative thermal expansion in the hexagonal polymorph of ScF₃. CrystEngComm, 2018, 20, 2768-2771.	2.6	9
31	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
32	Interface-Assisted Synthesis of Single-Crystalline ScF₃ Microtubes. Inorganic Chemistry, 2018, 57, 9779-9781.	4.0	8
33	The effect of microtube formation with walls, containing Fe3O4 nanoparticles, via gassolution interface technique by hydrolysis of the FeCl2 and FeCl3 mixed solution with gaseous ammonia. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 471-475.	0.4	8
34	Photoluminescence of porous silicon coated by SILD method with LaF3 nanolayers. Current Applied Physics, 2013, 13, 1625-1629.	2.4	7
35	The interaction of gaseous SiF4 and HF with surface of aqueous solution of LaCl3 leading to the formation of the LaF3â€“SiO2Â·nH2O nanocomposite and microtubes on its basis. Russian Journal of General Chemistry, 2016, 86, 2689-2692.	0.8	7
36	A novel oxidationâ€“reduction route for successive ionic layer deposition of NiO 1+x Â· n H 2 O nanolayers and their capacitive performance. Materials Research Bulletin, 2016, 76, 229-234.	5.2	7

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37	Ordered honeycomb-like network of MnO2Â·nH2O nanocrystals formed on the surface of a Mn(OAc)2 solution drop upon interaction with O3 gas. Mendeleev Communications, 2019, 29, 713-715.	1.6	7
38	Formation of Fe and Fe₂O₃ Microspirals via Interfacial Synthesis. Particle and Particle Systems Characterization, 2018, 35, 1800186.	2.3	6
39	Silver nanoribbons synthesized on a silicon surface by the â€œlayer-by-layerâ€•technique. Russian Journal of General Chemistry, 2010, 80, 1149-1151.	0.8	5
40	SYNTHESIS OF METAL OXIDE-BASED NANOCOMPOSITES AND MULTICOMPONENT COMPOUNDS USING LAYER-BY-LAYER METHOD AND PROSPECTS FOR THEIR APPLICATION. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0	5
41	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
42	Influence of Morphology of LaF3 Nano-crystals on Fluorine Dynamics Studied by NMR Diffusometry. Applied Magnetic Resonance, 2019, 50, 579-588.	1.2	5
43	Interface-Assisted Synthesis of the Mn_{3â€“x}Fe_xO₄ Gradient Film with Multifunctional Properties. Langmuir, 2019, 35, 14983-14989.	3.5	4
44	Layers of nanocomposite FeOOH-xH3PW12O40 synthesized by ion-colloid layering. Russian Journal of Applied Chemistry, 2010, 83, 151-153.	0.5	3
45	Ag x -SnO2 nanocomposite layers synthesized by ionic layer deposition onto silica surface. Russian Journal of Applied Chemistry, 2010, 83, 1525-1528.	0.5	3
46	Morphological and dynamical evolution of lanthanum fluoride 2D nanocrystals at thermal treatment. Solid State Ionics, 2020, 352, 115354.	2.7	3
47	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
48	Synthesis and study of cerium(IV) polytungstate nanolayers. Russian Journal of General Chemistry, 2011, 81, 1075-1077.	0.8	2
49	Anomalously High Fluorine Mobility in Tysonite-Like LaF3:ScF3 Nanocrystals: NMR Diffusion Data. Applied Magnetic Resonance, 2020, 51, 1691-1699.	1.2	2
50	Title is missing!. Russian Journal of Applied Chemistry, 2001, 74, 1955-1957.	0.5	1
51	Synthesis of Ag7SbS6 Nanolayers on the Silica Surface by Ionic Layer Deposition. Russian Journal of General Chemistry, 2002, 72, 840-843.	0.8	1
52	In0.22SnS0.33(OH)4 nanolayers synthesized by the layer-by-layer technique. Russian Journal of General Chemistry, 2007, 77, 987-989.	0.8	1
53	Layers of xCuS-SiO2Â·nH2O nanocomposite, synthesized by the layer-by-layer technique. Russian Journal of General Chemistry, 2008, 78, 518-520.	0.8	1
54	Sb2S3-SiO2 nanocomposite layers synthesized using the layer-by-layer technique. Russian Journal of Applied Chemistry, 2008, 81, 1068-1070.	0.5	1

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55	Synthesis of the nanocomposite SnO2-Au x 0 -(H3PW12O40) y Â·nH2O layers on the silica surface by the layer-by-layer method. Russian Journal of General Chemistry, 2009, 79, 882-884.	0.8	1
56	Solâ€“gelâ€“xerogel transformations in the thin layer at the salt solutionâ€“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
57	Layer-by-layer synthesis and study of nanostructured Pb4SbS6.5 layers. Russian Journal of General Chemistry, 2008, 78, 1133-1134.	0.8	0
58	Peculiarities of gas sensing characteristics of SnO2-based sensors modified by SnO2-Au nanocomposites synthesized by SILD method. Journal of Sensor Science and Technology, 2009, 18, 417-422.	0.2	0