Tatiana L Simonenko

List of Publications by Year
in descending order

53	657	471061 17	642321 23
papers	citations	h-index	g-index

54	54	54	229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidation of graphene-modified HfB2-SiC ceramics by supersonic dissociated air flow. Journal of the European Ceramic Society, 2022, 42, 30-42.	2.8	14
2	Microextrusion printing of gas-sensitive planar anisotropic NiO nanostructures and their surface modification in an H2S atmosphere. Applied Surface Science, 2022, 578, 151984.	3.1	23
3	Quantum of selectivity testing: detection of isomers and close homologs using an AZO based e-nose without a prior training. Journal of Materials Chemistry A, 2022, 10, 8413-8423.	5.2	9
4	Chemical durability of the iron-containing sodium borosilicate glasses. Journal of Non-Crystalline Solids, 2022, 584, 121519.	1.5	7
5	Gas-sensitive nanostructured ZnO films praseodymium and europium doped: Electrical conductivity, selectivity, influence of UV irradiation and humidity. Applied Surface Science, 2022, 589, 152974.	3.1	15
6	Hydrothermal Synthesis of Ag Thin Films and Their SERS Application. Nanomaterials, 2022, 12, 136.	1.9	4
7	Hydrothermally synthesized hierarchical Ce1-xSmxO2-Î´ oxides for additive manufacturing of planar solid electrolytes. Ceramics International, 2022, 48, 22401-22410.	2.3	9
8	Printing Technologies as an Emerging Approach in Gas Sensors: Survey of Literature. Sensors, 2022, 22, 3473.	2.1	20
9	Pen plotter printing of ITO thin film as a highly CO sensitive component of a resistive gas sensor. Talanta, 2021, 221, 121455.	2.9	37
10	MÃ¶ssbauer spectroscopy, XRPD, and SEM study of ironâ€containing Na₂Oâ€B₂O₃â€SiO₂ glasses. Journal of the American Ceramic Society, 2021, 104, 3149-3157.	1.9	7
11	Microplotter printing of planar solid electrolytes in the CeO2â€“Y2O3 system. Journal of Colloid and Interface Science, 2021, 588, 209-220.	5.0	28
12	Obtaining of La0.6Sr0.4Co0.2Fe0.8O3 â€“ Î´ Nanopowder Using the Glycolâ€“Citrate Method. Russian Journal of Inorganic Chemistry, 2021, 66, 477-481.	0.3	2
13	Synthesis and Gas-Sensitive Chemoresistive Properties of TiO2:Cu Nanocomposite. Russian Journal of Inorganic Chemistry, 2021, 66, 594-602.	0.3	4
14	Effect of the Addition of Cerium Acetylacetonate on the Synthesis of ZnO Nanopowder. Russian Journal of Inorganic Chemistry, 2021, 66, 638-644.	0.3	5
15	Synthesis of Ba0.5Sr0.5Co0.8Fe0.2O3 â€“ Î´ Oxide Promising as a Cathode Material of Modern Solid-Oxide Fuel Cells. Russian Journal of Inorganic Chemistry, 2021, 66, 662-666.	0.3	4
16	PZT 50/50 nanocrystalline powders with tetragonal structure prepared via gel combustion route: Effect of heat treatment on phase and chemical compositions. Ceramics International, 2021, 47, 16232-16239.	2.3	1
17	Chemoresistive gas-sensing properties of highly dispersed Nb2O5 obtained by programmable precipitation. Journal of Alloys and Compounds, 2021, 868, 159090.	2.8	26
18	Synthesis and Chemoresistive Gas-Sensing Properties of Highly Dispersed Titanium-Doped Nb2O5. Russian Journal of Inorganic Chemistry, 2021, 66, 1425-1433.	0.3	3

#	Article	IF	Citations
19	Preparation of ZnS Nanopowders and Their Use in the Additive Production of Thick-Film Structures. Russian Journal of Inorganic Chemistry, 2021, 66, 1283-1288.	0.3	11
20	Chemoresistive gas-sensitive ZnO/Pt nanocomposites films applied by microplotter printing with increased sensitivity to benzene and hydrogen. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115233.	1.7	22
21	Pen Plotter Printing of MnOx Thin Films Using Manganese Alkoxoacetylacetonate. Russian Journal of Inorganic Chemistry, 2021, 66, 1416-1424.	0.3	12
22	Platinum Based Nanoparticles Produced by a Pulsed Spark Discharge as a Promising Material for Gas Sensors. Applied Sciences (Switzerland), 2021, 11, 526.	1.3	18
23	Proton-Conducting Ceramics Based on Barium Hafnate and Cerate Doped with Zirconium, Yttrium, and Ytterbium Oxides for Fuel Cell Electrolytes. Inorganic Materials: Applied Research, 2021, 12, 1265-1270.	0.1	1
24	Hydrothermal Synthesis of Hierarchical CoMoO4 Nanostructures. Russian Journal of Inorganic Chemistry, 2021, 66, 1633-1638.	0.3	3
25	Physicochemical Properties of Glasses of the Na2Oâ€“B2O3â€“SiO2â€“Fe2O3 System with a Varying SiO2 Content. Glass Physics and Chemistry, 2021, 47, 703-708.	0.2	1
26	Synthesis of Nanoscale WO3 by Chemical Precipitation Using Oxalic Acid. Russian Journal of Inorganic Chemistry, 2021, 66, 1811-1816.	0.3	6
27	Formation of NiMoO4 Anisotropic Nanostructures under Hydrothermal Conditions. Russian Journal of Inorganic Chemistry, 2021, 66, 1779-1784.	0.3	4
28	Formation of NiCo2O4 Thin Films by Solâ€“Gel Technology and Pen Plotter Printing. Russian Journal of Inorganic Chemistry, 2021, 66, 2045-2052.	0.3	1
29	Microstructural, electrophysical and gas-sensing properties of CeO2â€“Y2O3 thin films obtained by the sol-gel process. Ceramics International, 2020, 46, 121-131.	2.3	32
30	Water State in the Products of Hydrothermal Treatment of Hydrargillite and Î³-Al2O3. Russian Journal of Inorganic Chemistry, 2020, 65, 1384-1389.	0.3	9
31	Microplotter-Printed On-Chip Combinatorial Library of Ink-Derived Multiple Metal Oxides as an â€œElectronic Olfactionâ€•Unit. ACS Applied Materials & Interfaces, 2020, 12, 56135-56150.	4.0	32
32	Formation of Hierarchical NiO Coatings on the Surface of Al2O3 Substrates under Hydrothermal Conditions. Russian Journal of Inorganic Chemistry, 2020, 65, 1292-1297.	0.3	15
33	Features of Hydrothermal Growth of Hierarchical Co3O4 Coatings on Al2O3 Substrates. Russian Journal of Inorganic Chemistry, 2020, 65, 1304-1311.	0.3	9
34	Formation of One-Dimensional Hierarchical MoO3 Nanostructures under Hydrothermal Conditions. Russian Journal of Inorganic Chemistry, 2020, 65, 459-465.	0.3	14
35	Pen plotter printing of Co3O4 thin films: features of the microstructure, optical, electrophysical and gas-sensing properties. Journal of Alloys and Compounds, 2020, 832, 154957.	2.8	38
36	A study of â€œThe Portrait of F.P. Makerovsky in a Masquerade Costumeâ€•by Dmitry Levitsky from the collection of the State Tretyakov Gallery. Heritage Science, 2020, 8, .	1.0	3

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37	Synthesis of BaCe0.9xZrxY0.1O3 nanopowders and the study of proton conductors fabricated on their basis by low-temperature spark plasma sintering. International Journal of Hydrogen Energy, 2019, 44, 20345-20354.	3.8	37
38	Sol-gel synthesis of SiC@Y3Al5O12 composite nanopowder and preparation of porous SiC-ceramics derived from it. Materials Chemistry and Physics, 2019, 235, 121734.	2.0	12
39	Synthesis of One-Dimensional Nanostructures of CeO2â€“10% Y2O3 Oxide by Programmed Coprecipitation in the Presence of Polyvinyl Alcohol. Russian Journal of Inorganic Chemistry, 2019, 64, 1475-1481.	0.3	17
40	Obtaining of NiO Nanosheets by a Combination of Solâ€“Gel Technology and Hydrothermal Treatment Using Nickel Acetylacetonate as a Precursor. Russian Journal of Inorganic Chemistry, 2019, 64, 1753-1757.	0.3	18
41	Microemulsion Synthesis of SnO2 Spheres Using Tin Acetylacetonate as a Precursor. Russian Journal of Inorganic Chemistry, 2019, 64, 1758-1761.	0.3	1
42	Synthesis and Physicochemical Properties of Nanopowders and Ceramics in a CeO2â€“Gd2O3 System. Glass Physics and Chemistry, 2018, 44, 314-321.	0.2	15
43	Spark plasma sintering of nanopowders in the CeO2-Y2O3 system as a promising approach to the creation of nanocrystalline intermediate-temperature solid electrolytes. Ceramics International, 2018, 44, 19879-19884.	2.3	28
44	Computational Identification of a New Form of Li₂MnSiO₄ for Battery Applications. Solid State Phenomena, 2017, 263, 160-164.	0.3	0
45	Study of the effect of methods for liquid-phase synthesis of nanopowders on the structure and physicochemical properties of ceramics in the CeO2â€“Y2O3 system. Russian Journal of Inorganic Chemistry, 2017, 62, 1275-1285.	0.3	18
46	Composite materials based on oxides of d and f elements and carbon layers. Inorganic Materials: Applied Research, 2017, 8, 254-259.	0.1	1
47	Search of high-capacity cathode materials based on lithiumâ€“iron silicate compounds. Glass Physics and Chemistry, 2016, 42, 576-581.	0.2	1
48	Synthesis and physicochemical properties of a solid oxide nanocomposite based on a ZrO2â€“Y2O3â€“Gd2O3â€“MgO system. Glass Physics and Chemistry, 2016, 42, 505-511.	0.2	19
49	Liquid-phase synthesis and physicochemical properties of xerogels, nanopowders and thin films of the CeO2â€“Y2O3 system. Russian Journal of Inorganic Chemistry, 2016, 61, 1061-1069.	0.3	20
50	Doping graphene with a monovacancy: bonding and magnetism. Journal of Physics: Conference Series, 2015, 661, 012028.	0.3	5
51	The dual role of SiO2 as a pore former and sintering aid in the preparation of the porous ceramic in ZrO2-In2O3 system. Glass Physics and Chemistry, 2015, 41, 431-436.	0.2	2
52	The formation and study of sensor thin layers based on zirconium and rare earth metal (Ce, Y, and Tb) oxides and the preparation of metal-oxide-semiconductor structures based on them. Glass Physics and Chemistry, 2014, 40, 629-634.	0.2	5
53	Synthesis and investigation of nanoceramics based on cobalt metaniobate. Glass Physics and Chemistry, 2014, 40, 578-583.	0.2	9