

Tatiana B Shatalova

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

394
citations

11
h-index

18
g-index

61
ext. papers

499
ext. citations

1.8
avg, IF

3.44
L-index

#	Paper	IF	Citations
54	XPS study of fresh and oxidized GeTe and (Ge,Sn)Te surface. <i>Solid State Ionics</i> , 2001 , 141-142, 513-522	3.3	61
53	Active Sites on Nanocrystalline Tin Dioxide Surface: Effect of Palladium and Ruthenium Oxides Clusters. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 21541-21549	3.8	30
52	Phase equilibria in the tricalcium phosphate-mixed calcium sodium (potassium) phosphate systems. <i>Russian Journal of Inorganic Chemistry</i> , 2014 , 59, 1219-1227	1.5	25
51	XPS study of SnTe(100) oxidation by molecular oxygen. <i>Surface Science</i> , 2005 , 584, 77-82	1.8	21
50	Amorphous calcium phosphate powder synthesized from calcium acetate and polyphosphoric acid for bioceramics application. <i>Ceramics International</i> , 2017 , 43, 1310-1317	5.1	19
49	Nanocomposites SnO ₂ /SiO ₂ for CO Gas Sensors: Microstructure and Reactivity in the Interaction with the Gas Phase. <i>Materials</i> , 2019 , 12,	3.5	15
48	Biocompatibility of biphasic tricalcium phosphate ceramics. <i>Bioactive Materials</i> , 2020 , 5, 423-427	16.7	14
47	Properties of amorphous calcium pyrophosphate powder synthesized via ion exchange for the preparation of bioceramics. <i>Inorganic Materials</i> , 2015 , 51, 1177-1184	0.9	13
46	Size Effects in Nanocrystalline Thoria. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23167-23176	3.8	12
45	Chemical and electrochemical processes in low-temperature superionic hydrogen sulfide sensors. <i>Russian Journal of Electrochemistry</i> , 2007 , 43, 552-560	1.2	12
44	A new orthorhombic boron phase B _{51.5} B ₂ obtained by dehydrogenation of tetragonal boron. <i>Journal of Materials Research</i> , 2016 , 31, 2773-2779	2.5	11
43	Powders Mixtures Based on Ammonium Pyrophosphate and Calcium Carbonate for Preparation of Biocompatible Porous Ceramic in the CaO-B ₂ O ₅ System. <i>Refractories and Industrial Ceramics</i> , 2016 , 56, 502-509	1.1	11
42	Synthesis of carbon nanotubes by high current divergent anode-channel plasma torch. <i>Journal of Physics: Conference Series</i> , 2014 , 550, 012023	0.3	10
41	Formation Efficiency of Porous Oxide Films in Aluminum Anodizing. <i>Russian Journal of Electrochemistry</i> , 2018 , 54, 990-998	1.2	10
40	Calcium pyrophosphate powder for production of bioceramics synthesized from pyrophosphoric acid and calcium acetate. <i>Inorganic Materials: Applied Research</i> , 2017 , 8, 118-125	0.6	9
39	Organic-Inorganic Hybrid Materials for Room Temperature Light-Activated Sub-ppm NO Detection. <i>Nanomaterials</i> , 2019 , 10,	5.4	9
38	Ceramics Based on Brushite Powder Synthesized from Calcium Nitrate and Disodium and Dipotassium Hydrogen Phosphates. <i>Inorganic Materials</i> , 2018 , 54, 195-207	0.9	7

37	Ceramics based on calcium phosphate powder synthesized from calcium saccharate and ammonium hydrophosphate. <i>Inorganic Materials: Applied Research</i> , 2016 , 7, 635-640	0.6	7
36	Synthesis of Monetite from Calcium Hydroxyapatite and Monocalcium Phosphate Monohydrate under Mechanical Activation Conditions. <i>Russian Journal of Inorganic Chemistry</i> , 2019 , 64, 1088-1094	1.5	7
35	XPS study of fresh and oxidized (Pb,Ge)Te surfaces. <i>Surface and Interface Analysis</i> , 2002 , 34, 498-501	1.5	7
34	Calcium Phosphate Ceramic Based on Powder Synthesized From a Mixed-Anionic Solution. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2016 , 73, 25-31	0.6	7
33	Nanocomposites SnO/SiO:SiO Impact on the Active Centers and Conductivity Mechanism. <i>Materials</i> , 2019 , 12,	3.5	7
32	Thermally stable, electrically conductive diamond material prepared by high-pressure, high-temperature processing of a graphite + boron carbide mixture. <i>Inorganic Materials</i> , 2015 , 51, 225-229	0.9	6
31	Coarse-grain alpha-alumina films with highly ordered porous structure. <i>Microporous and Mesoporous Materials</i> , 2020 , 294, 109840	5.3	6
30	Synthesis of calcium phosphate powder from calcium lactate and ammonium hydrogen phosphate for the fabrication of bioceramics. <i>Inorganic Materials</i> , 2017 , 53, 859-868	0.9	5
29	Detection of Carbon Monoxide in Humid Air with Double-Layer Structures Based on Semiconducting Metal Oxides and Silicalite. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1671-1679	0.8	5
28	Synthesis of double ammonium-calcium pyrophosphate monohydrate $\text{Ca}(\text{NH}_4)_2\text{P}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$ as the precursor of biocompatible phases of calcium phosphate ceramics. <i>Russian Chemical Bulletin</i> , 2020 , 69, 139-147	1.7	4
27	Synthesis of Hydrogenated Graphene during Acetylene Conversion in Helium Plasma Jet. <i>High Energy Chemistry</i> , 2018 , 52, 343-347	0.9	4
26	Crystallization Pathways of Cerium(IV) Phosphates Under Hydrothermal Conditions: A Search for New Phases with a Tunnel Structure. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 3242-3248	2.3	4
25	Calcium Phosphate Powder Synthesized from Calcium Acetate and Ammonium Hydrophosphate for Bioceramics Application. <i>Ceramics</i> , 2018 , 1, 375-392	1.7	4
24	Modified carbon nanotubes for water-based cathode slurries for lithium-sulfur batteries. <i>Journal of Materials Research</i> , 2019 , 34, 634-641	2.5	3
23	Meet the Cerium(IV) Phosphate Sisters: $\text{Ce}(\text{OH})\text{PO}$ and $\text{CeO}(\text{PO})$. <i>Chemistry - A European Journal</i> , 2020 , 26, 12188-12193	4.8	3
22	Ceramics Based on Powder Mixtures Containing Calcium Hydrogen Phosphates and Sodium Salts (Na_2CO_3 , $\text{Na}_4\text{P}_2\text{O}_7$, and NaPO_3). <i>Inorganic Materials</i> , 2018 , 54, 724-735	0.9	3
21	Nanofibers of Semiconductor Oxides as Sensitive Materials for Detection of Gaseous Products Formed in Low-Temperature Pyrolysis of Polyvinyl Chloride. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 447-453	0.8	3
20	$\text{Ca}_2\text{P}_2\text{O}_7 \cdot \text{Ca}(\text{PO}_3)_2$ Ceramic Obtained by Firing β -Tricalcium Phosphate and Monocalcium Phosphate Monohydrate Based Cement Stone. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2020 , 77, 165-172	0.6	3

19	Ceramics in the $\text{Ca}_2\text{P}_2\text{O}_7\text{-Ca}(\text{PO}_3)_2$ System Obtained by Annealing of the Samples Made from Hardening Mixtures Based on Calcium Citrate Tetrahydrate and Monocalcium Phosphate Monohydrate. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 777-786	0.6	3
18	Synthesis of the Nanoscale Calcium Hydroxyapatite from Calcium Malate and Ammonium Hydrophosphate. <i>Inorganic Materials: Applied Research</i> , 2019 , 10, 841-845	0.6	2
17	Ceramics Based on a Powder Mixture of Calcium Hydroxyapatite, Monocalcium Phosphate Monohydrate, and Sodium Hydrogen Phosphate Homogenized under Mechanical Activation Conditions. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 879-885	0.6	2
16	Thermal Transformations in Hardening Compositions Based on Hydroxyapatite, Monocalcium Phosphate Monohydrate, and Polymeric Binders. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2020 , 77, 256-262	0.6	1
15	Properties of Calcium Phosphate Powder Synthesized from Calcium Chloride and Potassium Pyrophosphate. <i>Inorganic Materials: Applied Research</i> , 2020 , 11, 44-49	0.6	1
14	Electrochemical behavior of the graphene materials synthesized using low temperature plasma. <i>Journal of Physics: Conference Series</i> , 2017 , 789, 012052	0.3	1
13	The effect of reactor geometry on the synthesis of graphene materials in plasma jets. <i>Journal of Physics: Conference Series</i> , 2017 , 857, 012040	0.3	1
12	Chemical deposition of PbS on NASICON from aqueous solutions. <i>Inorganic Materials</i> , 2009 , 45, 1081-1086	0.6	1
11	Investigation of the $\text{KLa}(\text{SO}_4)_2 \cdot \text{H}_2\text{O} \text{BrSO}_4 \cdot 0.5\text{H}_2\text{O}$ System. <i>Russian Journal of Inorganic Chemistry</i> , 2021 , 66, 405-411	1.5	1
10	Calcium Phosphate Powder for Obtaining of Composite Bioceramics. <i>Inorganic Materials: Applied Research</i> , 2021 , 12, 34-39	0.6	1
9	Synthesis of Carbon Fibers in the Decomposition of Acetylene and Propane-Butane Mixture in a Plasma Jet. <i>Technical Physics Letters</i> , 2018 , 44, 1017-1019	0.7	1
8	Continuous Synthesis of Hydrogenated Graphene in Thermal Plasma. <i>Journal of Structural Chemistry</i> , 2018 , 59, 773-779	0.9	1
7	Fixation of atmospheric nitrogen by nanodiamonds. <i>New Journal of Chemistry</i> , 2018 , 42, 11160-11164	3.6	1
6	Chemical Transformations as a Tool for Controlling the Properties of Calcium Carbonate Powder. <i>Glass and Ceramics (English Translation of Steklo I Keramika)</i> , 2020 , 77, 145-148	0.6	0
5	Powder Mixture for the Production of Microporous Ceramics Based on Hydroxyapatite. <i>Ceramics</i> , 2022 , 5, 108-119	1.7	0
4	Growth of polycrystalline GeTe films on $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$ ($x = 0, 0.05$ or 0.2) and BaF_2 substrates. <i>Mendeleev Communications</i> , 2004 , 14, 136-137	1.9	0
3	The Discovery of Few-Layered Graphene Flakes in Paragenetic Association with Other Carbon Nano-sized Mineral Phases. <i>Doklady Earth Sciences</i> , 2020 , 495, 827-830	0.6	0
2	Fine Biocompatible Powders Synthesized from Calcium Lactate and Ammonium Sulfate. <i>Ceramics</i> , 2021 , 4, 391-396	1.7	0

- 1 Electrochemical growth of ZnO photonic crystals. *International Journal of Nanotechnology*, **2019**, 16, 389 1.5