

Eugene A Sosnov

List of Publications by Year in Descending Order

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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.

53
papers

215
citations

8
h-index

11
g-index

54
ext. papers

227
ext. citations

1.1
avg, IF

2.75
L-index

#	Paper	IF	Citations
53	Phase Transitions in the Bulk and on Surfaces of Titanium Dioxide during Heat Treatment. <i>Russian Journal of Physical Chemistry A</i> , 2022 , 96, 179-189	0.7	0
52	Nanotechnology of Molecular Layering in Production of Inorganic and Hybrid Materials for Various Functional Purposes (a Review): I. History of the Development of the Molecular Layering Method. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 1022-1037	0.8	1
51	Nanotechnology of Molecular Layering in Production of Inorganic and Hybrid Materials for Various Functional Purposes: II. Molecular Layering Technology and Prospects for Its Commercialization and Development in the XXI Century. <i>Russian Journal of Applied Chemistry</i> , 2021 , 94, 1189-1215	0.8	
50	Effect of Composition and Structure of Element Oxide Nanostructures Grafted at Polyethylene Film Surface on Electret Characteristics of the Polymer. <i>Russian Journal of General Chemistry</i> , 2021 , 91, 1075-1083	0.7	1
49	Influence of Structure of Chemically Grafted onto Polyethylene Surface Two-Component Titanium-Phosphoroxide Nanostructures on the Properties of Composite Material. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 1192-1201	0.8	
48	Growth of Titanium Oxide Nanostructures on TiO_2 by Atomic Layer Deposition. <i>Inorganic Materials</i> , 2020 , 56, 1234-1241	0.9	2
47	Effect of a Thermal-Vacuum Treatment and X-Ray Radiation on the Morphology and Electrical Properties of Titanium Oxide Nanocoatings. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 883-892	0.8	1
46	Properties of Polytetrafluoroethylene Films Modified with Titanium and Phosphorus Oxide Structures. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1128-1134	0.8	2
45	Experimental Assessment of the Structural Parameters of Highly Porous Silica: Probe Microscopy Data. <i>Glass Physics and Chemistry</i> , 2019 , 45, 365-371	0.7	
44	Atomic Force Microscopy for Studies of Molecular Layering Products. <i>Journal of Surface Investigation</i> , 2018 , 12, 1310-1322	0.5	2
43	Chemical assembly of a titanium oxide layer on microporous silica. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 1786-1793	0.7	2
42	Scanning probe microscopy estimation of the wear resistance of the surface of a modified PVC film. <i>Russian Metallurgy (Metally)</i> , 2017 , 2017, 312-318	0.5	
41	Structural-dimensional effects and their application in the "core-shell" systems synthesized by the molecular layering. <i>Russian Chemical Bulletin</i> , 2017 , 66, 1939-1962	1.7	14
40	Effect of the chemical modification of the filler surface on the structure and permeability of a composite film based on polyvinyl chloride. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 110-117	0.8	2
39	Chemical transformations at the silica surface upon sequential interactions with titanium tetrachloride and ammonia vapors. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2533-2540	0.7	5
38	Effect of annealing atmosphere and electron beam pre-irradiation on the properties of SrGa ₂ S ₄ :Eu phosphor films. <i>Optical Materials</i> , 2013 , 35, 1109-1111	3.3	3
37	Atomic force microscopic study of variations in the surface morphology of porous silica upon thermal treatment. <i>Colloid Journal</i> , 2012 , 74, 380-385	1.1	3

36	Synthesis and protective properties of titanium nitride coatings on willemite. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 1070-1076	0.8	2
35	Temperature effect on polymorphic transformations in silica matrix/titania coating systems. <i>Inorganic Materials</i> , 2011 , 47, 495-501	0.9	1
34	Synthesis and properties of a zinc cadmium sulfide based low-voltage cathodoluminescent phosphors. <i>Inorganic Materials</i> , 2011 , 47, 697-699	0.9	
33	Effect of the modification of barium titanate on the permittivity of its composites with cyanoethyl ester of polyvinyl alcohol. <i>Glass Physics and Chemistry</i> , 2011 , 37, 624-628	0.7	24
32	Changes in electrical and optical properties of polyimide films under the action of accelerated electrons. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1276-1280	0.8	1
31	Electrophosphor brightness enhancement via plasma modification of raw materials. <i>Inorganic Materials</i> , 2010 , 46, 1166-1170	0.9	2
30	Hydrolytic stability of the Si-O-Ti bonds in the chemical assembly of titania nanostructures on silica surfaces. <i>Russian Chemical Reviews</i> , 2010 , 79, 907-920	6.8	9
29	The nature of the surface of pyrogenic titanium dioxide according to the optical spectroscopy data. <i>Russian Journal of Physical Chemistry A</i> , 2010 , 84, 1028-1032	0.7	2
28	Structure of the products of TiCl ₄ chemisorption on the surface of porous silica in the process of vapor-phase hydrolysis. <i>Russian Journal of General Chemistry</i> , 2010 , 80, 1176-1182	0.7	4
27	Surface morphology of antifrictional polymer materials: Experience in atomic force and electron microscopy. <i>Russian Journal of General Chemistry</i> , 2010 , 80, 2192-2200	0.7	
26	The effect exerted by temperature on the phase formation of titanium oxide layer on silica surface at different stages of molecular layering. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 1511-1519	0.8	7
25	New silicone hydrogels based on interpenetrating polymer networks comprising polysiloxane and poly(vinyl alcohol) networks. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 367-377	3.2	15
24	Effect of chemical modification on structural and energy characteristics of the surface of polyethylene and polyvinyl chloride films. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 622-629	0.8	16
23	A new approach to processing electronic diffuse reflectance spectra. <i>Russian Journal of Physical Chemistry A</i> , 2009 , 83, 642-648	0.7	9
22	METHOD OF ESDR-SPECTRA PROCESSING FOR THE CHARACTERIZATION OF NANOSTRUCTURES AT THE SOLID SURFACE. <i>Integrated Ferroelectrics</i> , 2008 , 103, 41-51	0.8	1
21	Antimicrobial polymeric composite films for medical use. <i>Russian Journal of Applied Chemistry</i> , 2008 , 81, 128-130	0.8	1
20	Effect of the substrate nature on the formation of thin titanium dioxide films by molecular layering. <i>Russian Journal of Applied Chemistry</i> , 2008 , 81, 2051-2055	0.8	3
19	Preparation of tin oxide nanocoatings on borosilicate glass by the molecular layering method. <i>Glass Physics and Chemistry</i> , 2008 , 34, 534-542	0.7	3

18	Study of high-porous silica surface by atomic force microscopy re]20071018. <i>Journal of Surface Investigation</i> , 2008 , 2, 696-698	0.5	3
17	Features of sample preparation and atomic force microscopy study of dispersed nanomaterials. <i>Journal of Surface Investigation</i> , 2008 , 2, 699-704	0.5	4
16	Effect of the metallic modifier is nature on the surface microstructure of the phenolic carboplastic-steel interface. <i>Journal of Friction and Wear</i> , 2008 , 29, 470-476	0.9	1
15	AFM application for in situ study of adsorption processes. <i>Semiconductors</i> , 2007 , 41, 495-497	0.7	2
14	AFM examination of nanolayers synthesised by the molecular layering method on the surface of manufacturing glasses. <i>Semiconductors</i> , 2007 , 41, 498-501	0.7	4
13	Organic-inorganic cross-linked structures prepared from reactive n-butyl methacrylate-3-(trimethoxysilyl)propyl methacrylate copolymers. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 93-101	0.8	1
12	Influence of chemical modification of the surface of low-density polyethylene on its electret properties. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 461-465	0.8	12
11	Influence of chemical modification of the surface of polyethylene with phosphorus, boron, titanium, vanadium, and silicon halides on its vapor permeability. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 1413-1418	0.8	3
10	Structure of products formed in chemisorption of titanium tetrachloride by porous silicas. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 2057-2062	0.8	4
9	Synthesis and properties of polyvinyl chloride films with modified surface. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 1316-1320	0.8	5
8	Influence of the physicochemical treatment procedure on the morphology and properties of the polyvinyl chloride film surface. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 1857-1861	0.8	3
7	The influence of titanium oxide nanocoatings on the surface quality of glass products for electronic devices. <i>Glass Physics and Chemistry</i> , 2006 , 32, 70-74	0.7	4
6	Formation and properties of the nanocluster structure of iron oxides. <i>Russian Chemical Bulletin</i> , 2006 , 55, 1755-1767	1.7	2
5	Calculation of the Stoichiometric Composition of Nanostructures Synthesized by Molecular Layer Deposition on the Surface of Solid Matrices. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 367-374	0.8	4
4	Thermal Transformations of Titanium Oxochloride Nanostructures on Silica Surface. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 859-864	0.8	1
3	Synthesis and in situ gravimetric monitoring of formation of titanium-oxide layer on silica surface. <i>Russian Journal of Applied Chemistry</i> , 2004 , 77, 1227-1231	0.8	6
2	Surface structure and thermal oxidative degradation of the reaction products of polyethylene with PCl ₃ and VOCl ₃ vapors. <i>Russian Journal of Applied Chemistry</i> , 2004 , 77, 1854-1858	0.8	5
1	Synthesis and transformations of Ti-containing structures on the surface of silica gel. <i>Applied Surface Science</i> , 1997 , 108, 133-139	6.7	13

