Anatoly A Malkov

List of Publications by Citations

39 papers	307 citations	8 h-index	15 g-index
39 ext. papers	331 ext. citations	2 avg, IF	2.7 L-index

#	Paper	IF	Citations
39	Review Article: Recommended reading list of early publications on atomic layer deposition□Outcome of the □Virtual Project on the History of ALD□*Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2017**, 35, 010801	2.9	55
38	From V. B. Aleskovskii's □ramework□Hypothesis to the Method of Molecular Layering/Atomic Layer Deposition . *Chemical Vapor Deposition*, **2015**, 21, 216-240		52
37	CVD□itania/Silica Gel Carbonized Due to Pyrolysis of Cyclohexene. *Langmuir*, **2000**, 16, 3227-3243	4	37
36	Synthesis of Porous Magnesium Oxide by Thermal Decomposition of Basic Magnesium Carbonate. *Russian Journal of General Chemistry*, **2003**, 73, 37-42	0.7	14
35	Structure of carbonized mesoporous silica gel/CVD-titania. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2000**, 167, 275-285	5.1	13
34	Effect of heat treatment on structural-chemical transformations in magnesium hydrosilicate [Mg3Si2O5(OH)4] nanotubes. *Russian Journal of Applied Chemistry*, **2009**, 82, 2079-2086	0.8	10
33	Hydrolytic stability of the Si□□i bonds in the chemical assembly of titania nanostructures on silica surfaces. *Russian Chemical Reviews*, **2010**, 79, 907-920	6.8	9
32	A new approach to processing electronic diffuse reflectance spectra. *Russian Journal of Physical Chemistry A*, **2009**, 83, 642-648	0.7	9
31	Interaction of Titanium Tetrachloride with Products of Thermal Decomposition of Basic Magnesium Carbonate. *Russian Journal of Applied Chemistry*, **2003**, 76, 7-11	0.8	8
30	The effect exerted by temperature on the phase formation of titanium oxide layer on silica surface at different stages of molecular layering. *Russian Journal of Applied Chemistry*, **2010**, 83, 1511-1519	0.8	7
29	The new catalytic membranes with low sized phosphorus oxide structures on a surface. *Desalination*, **2002**, 144, 433-435	10.3	7
28	Methanol oxidative dehydrogenation on nanostructured vanadium-containing composite membranes. *Journal of Membrane Science*, **2008**, 317, 88-95	9.6	6
27	Synthesis and in situ gravimetric monitoring of formation of titanium-oxide layer on silica surface. *Russian Journal of Applied Chemistry*, **2004**, 77, 1227-1231	0.8	6
26	Chemical transformations at the silica surface upon sequential interactions with titanium tetrachloride and ammonia vapors. *Russian Journal of General Chemistry*, **2015**, 85, 2533-2540	0.7	5
25	Synthesis of titanium oxide structures on mesoporous silicon dioxide surface by molecular layering. *Colloid Journal*, **2011**, 73, 495-503	1.1	5
24	Methanol oxidative dehydrogenation on nanostructured composite membranes. *Desalination*, **2006** , 200, 692-694	10.3	5
23	Temperature factor in interaction of nanotubular magnesium hydrosilicate, Mg3Si2O5(OH)4, with titanium tetrachloride and water vapors. *Russian Journal of Applied Chemistry*, **2014**, 87, 151-159	0.8	4

22	The role of a reference sample in the study of the titanium-containing silicas by ultraviolet-visible diffuse reflectance spectroscopy. *Russian Journal of General Chemistry*, **2013**, 83, 231-237	0.7	4
21	Mechanism of thermal oxidation of silicon carbide modified by chromium oxide structures. *Russian Journal of General Chemistry*, **2014**, 84, 2375-2381	0.7	4
20	Temperature influence on the formation of titanium-oxide structures on finely porous silica. *Russian Journal of General Chemistry*, **2011**, 81, 41-48	0.7	4
19	Structure of the products of TiCl4 chemisorption on the surface of porous silica in the process of vapor-phase hydrolysis. *Russian Journal of General Chemistry*, **2010**, 80, 1176-1182	0.7	4
18	AFM examination of nanolayers synthesised by the molecular layering method on the surface of manufacturing glasses. *Semiconductors*, **2007**, 41, 498-501	0.7	4
17	Structure of products formed in chemisorption of titanium tetrachloride by porous silicas. *Russian Journal of Applied Chemistry*, **2007**, 80, 2057-2062	0.8	4
16	The influence of titanium oxide nanocoatings on the surface quality of glass products for electronic devices. *Glass Physics and Chemistry*, **2006**, 32, 70-74	0.7	4
15	Calculation of the Stoichiometric Composition of Nanostructures Synthesized by Molecular Layer Deposition on the Surface of Solid Matrices. *Russian Journal of Applied Chemistry*, **2005**, 78, 367-374	0.8	4
14	Effect of temperature treatment on the interaction of nanotubular magnesium silicate Mg3Si2O5(OH)4 with titanium tetrachloride and water vapors. *Russian Journal of Applied Chemistry*, **2012**, 85, 1319-1326	0.8	3
13	Preparation of tin oxide nanocoatings on borosilicate glass by the molecular layering method. *Glass Physics and Chemistry*, **2008**, 34, 534-542	0.7	3
12	Structural and chemical transformations in the products of the interaction of silica gel with vapours of TiCl4 and H2O. *Applied Surface Science*, **2014**, 288, 584-590	6.7	2
11	Synthesis and protective properties of titanium nitride coatings on willemite. *Russian Journal of Applied Chemistry*, **2012**, 85, 1070-1076	0.8	2
10	The nature of the surface of pyrogenic titanium dioxide according to the optical spectroscopy data. *Russian Journal of Physical Chemistry A*, **2010**, 84, 1028-1032	0.7	2
9	The effect of temperature on the formation of titanium dioxide structures on □Al2O3 surface. *Russian Journal of Applied Chemistry*, **2010**, 83, 1520-1524	0.8	2
8	Effects of silica and titania modification additions on the microstructure of sintered alumina. *Inorganic Materials*, **2000**, 36, 1127-1132	0.9	2
7	Synthesis and thermochemical transformations of vanadium oxychloride groups on a silica surface. *Russian Journal of Physical Chemistry A*, **2014**, 88, 530-536	0.7	1
6	Interaction of titanium tetrachloride vapors with zirconium dioxide nanocrystals. *Russian Journal of Applied Chemistry*, **2012**, 85, 1950-1954	0.8	1
5	Temperature effect on polymorphic transformations in silica matrix□titania coating systems. *Inorganic Materials*, **2011**, 47, 495-501	0.9	1

4	Chemical assembly of chromium oxide structures on the surface of disperse silicon carbide. *Russian Journal of Applied Chemistry*, **2011**, 84, 1299-1303	0.8	1
3	A study of phase transformations in the surface layer of titanium dioxide. *Russian Journal of Applied Chemistry*, **2009**, 82, 783-788	0.8	1
2	METHOD OF ESDR-SPECTRA PROCESSING FOR THE CHARACTERIZATION OF NANOSTRUCTURES AT THE SOLID'S SURFACE. *Integrated Ferroelectrics*, **2008**, 103, 41-51	0.8	1
1	Thermal Transformations of Titanium Oxochloride Nanostructures on Silica Surface. *Russian Journal of Applied Chemistry*, **2005**, 78, 859-864	0.8	1