

# Anatoly A Malkov

## 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.

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. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2017</b> , 35, 010801	2.9	55
38	From V. B. Aleskovskii's "Framework" Hypothesis to the Method of Molecular Layering/Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , <b>2015</b> , 21, 216-240		52
37	Chemical transformations at the silica surface upon sequential interactions with titanium tetrachloride and ammonia vapors. <i>Russian Journal of General Chemistry</i> , <b>2015</b> , 85, 2533-2540	0.7	5
36	Structural and chemical transformations in the products of the interaction of silica gel with vapours of TiCl <sub>4</sub> and H <sub>2</sub> O. <i>Applied Surface Science</i> , <b>2014</b> , 288, 584-590	6.7	2
35	Synthesis and thermochemical transformations of vanadium oxychloride groups on a silica surface. <i>Russian Journal of Physical Chemistry A</i> , <b>2014</b> , 88, 530-536	0.7	1
34	Temperature factor in interaction of nanotubular magnesium hydrosilicate, Mg <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> , with titanium tetrachloride and water vapors. <i>Russian Journal of Applied Chemistry</i> , <b>2014</b> , 87, 151-159	0.8	4
33	Mechanism of thermal oxidation of silicon carbide modified by chromium oxide structures. <i>Russian Journal of General Chemistry</i> , <b>2014</b> , 84, 2375-2381	0.7	4
32	The role of a reference sample in the study of the titanium-containing silicas by ultraviolet-visible diffuse reflectance spectroscopy. <i>Russian Journal of General Chemistry</i> , <b>2013</b> , 83, 231-237	0.7	4
31	Synthesis and protective properties of titanium nitride coatings on willemite. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 1070-1076	0.8	2
30	Effect of temperature treatment on the interaction of nanotubular magnesium silicate Mg <sub>3</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> with titanium tetrachloride and water vapors. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 1319-1326	0.8	3
29	Interaction of titanium tetrachloride vapors with zirconium dioxide nanocrystals. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 1950-1954	0.8	1
28	Temperature effect on polymorphic transformations in silica matrix/titania coating systems. <i>Inorganic Materials</i> , <b>2011</b> , 47, 495-501	0.9	1
27	Temperature influence on the formation of titanium-oxide structures on finely porous silica. <i>Russian Journal of General Chemistry</i> , <b>2011</b> , 81, 41-48	0.7	4
26	Chemical assembly of chromium oxide structures on the surface of disperse silicon carbide. <i>Russian Journal of Applied Chemistry</i> , <b>2011</b> , 84, 1299-1303	0.8	1
25	Synthesis of titanium oxide structures on mesoporous silicon dioxide surface by molecular layering. <i>Colloid Journal</i> , <b>2011</b> , 73, 495-503	1.1	5
24	Hydrolytic stability of the Si-O-Ti bonds in the chemical assembly of titania nanostructures on silica surfaces. <i>Russian Chemical Reviews</i> , <b>2010</b> , 79, 907-920	6.8	9
23	The nature of the surface of pyrogenic titanium dioxide according to the optical spectroscopy data. <i>Russian Journal of Physical Chemistry A</i> , <b>2010</b> , 84, 1028-1032	0.7	2

22	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> , <b>2010</b> , 80, 1176-1182	0.7	4
21	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> , <b>2010</b> , 83, 1511-1519	0.8	7
20	The effect of temperature on the formation of titanium dioxide structures on $Al_2O_3$ surface. <i>Russian Journal of Applied Chemistry</i> , <b>2010</b> , 83, 1520-1524	0.8	2
19	A study of phase transformations in the surface layer of titanium dioxide. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 783-788	0.8	1
18	Effect of heat treatment on structural-chemical transformations in magnesium hydrosilicate $[Mg_3Si_2O_5(OH)_4]$ nanotubes. <i>Russian Journal of Applied Chemistry</i> , <b>2009</b> , 82, 2079-2086	0.8	10
17	A new approach to processing electronic diffuse reflectance spectra. <i>Russian Journal of Physical Chemistry A</i> , <b>2009</b> , 83, 642-648	0.7	9
16	METHOD OF ESDR-SPECTRA PROCESSING FOR THE CHARACTERIZATION OF NANOSTRUCTURES AT THE SOLID'S SURFACE. <i>Integrated Ferroelectrics</i> , <b>2008</b> , 103, 41-51	0.8	1
15	Methanol oxidative dehydrogenation on nanostructured vanadium-containing composite membranes. <i>Journal of Membrane Science</i> , <b>2008</b> , 317, 88-95	9.6	6
14	Preparation of tin oxide nanocoatings on borosilicate glass by the molecular layering method. <i>Glass Physics and Chemistry</i> , <b>2008</b> , 34, 534-542	0.7	3
13	AFM examination of nanolayers synthesised by the molecular layering method on the surface of manufacturing glasses. <i>Semiconductors</i> , <b>2007</b> , 41, 498-501	0.7	4
12	Structure of products formed in chemisorption of titanium tetrachloride by porous silicas. <i>Russian Journal of Applied Chemistry</i> , <b>2007</b> , 80, 2057-2062	0.8	4
11	Methanol oxidative dehydrogenation on nanostructured composite membranes. <i>Desalination</i> , <b>2006</b> , 200, 692-694	10.3	5
10	The influence of titanium oxide nanocoatings on the surface quality of glass products for electronic devices. <i>Glass Physics and Chemistry</i> , <b>2006</b> , 32, 70-74	0.7	4
9	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> , <b>2005</b> , 78, 367-374	0.8	4
8	Thermal Transformations of Titanium Oxochloride Nanostructures on Silica Surface. <i>Russian Journal of Applied Chemistry</i> , <b>2005</b> , 78, 859-864	0.8	1
7	Synthesis and in situ gravimetric monitoring of formation of titanium-oxide layer on silica surface. <i>Russian Journal of Applied Chemistry</i> , <b>2004</b> , 77, 1227-1231	0.8	6
6	Interaction of Titanium Tetrachloride with Products of Thermal Decomposition of Basic Magnesium Carbonate. <i>Russian Journal of Applied Chemistry</i> , <b>2003</b> , 76, 7-11	0.8	8
5	Synthesis of Porous Magnesium Oxide by Thermal Decomposition of Basic Magnesium Carbonate. <i>Russian Journal of General Chemistry</i> , <b>2003</b> , 73, 37-42	0.7	14

4	The new catalytic membranes with low sized phosphorus oxide structures on a surface. <i>Desalination</i> , <b>2002</b> , 144, 433-435	10.3	7
3	Structure of carbonized mesoporous silica gel/CVD-titania. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2000</b> , 167, 275-285	5.1	13
2	Effects of silica and titania modification additions on the microstructure of sintered alumina. <i>Inorganic Materials</i> , <b>2000</b> , 36, 1127-1132	0.9	2
1	CVD-Titania/Silica Gel Carbonized Due to Pyrolysis of Cyclohexene. <i>Langmuir</i> , <b>2000</b> , 16, 3227-3243	4	37