

Alexander P Voznyakovskii

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.

67
papers

216
citations

8
h-index

11
g-index

70
ext. papers

245
ext. citations

1.2
avg, IF

3.12
L-index

#	Paper	IF	Citations
67	Hardness and thermal conductivity of a composite based on aluminum modified with a hybrid material detonation nanodiamond/few-layer graphene. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2022 , 30, 205-210	1.8	0
66	Thermal conductivity and heat capacity of nanofluid based on water modified by hybrid material of composition detonation nanodiamonds-carbon nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1118, 012024	0.4	
65	Laser initiation of modified complex cobalt (III) perchlorate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1254-1260	1.3	0
64	Biomass of Sosnowskyĭ Hogweed as Raw Material for Obtaining 2D Carbonic Nanostructures. <i>Russian Journal of Bioorganic Chemistry</i> , 2021 , 47, 1381-1388	1	1
63	Powder hybrid nanomaterial: Detonation nanodiamonds - Carbon nanotubes and its stable reversible water nanofluids. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 305-314	9.3	13
62	Hogweed Biomass as a Raw Material for Producing 2D Nanocarbons: An Environmental Aspect. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 2627-2631	0.7	0
61	Integrated Approach to Conservation and Regeneration of Forest Resources of Russia. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 2606-2611	0.7	
60	Carbon nanomaterials based on plant biopolymers as radionuclides sorbent. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020 , 28, 238-241	1.8	7
59	2D Carbon-Supported Platinum Catalysts for Hydrosilylation Reactions. <i>Russian Journal of General Chemistry</i> , 2020 , 90, 1944-1948	0.7	
58	Structure and Paramagnetic Properties of Graphene Nanoplatelets Prepared from Biopolymers Using Self-Propagating High-Temperature Synthesis. <i>Journal of Structural Chemistry</i> , 2020 , 61, 826-834	0.9	5
57	2D Nanocarbons as the Matrix for Immobilized Microbial Preparations. <i>Technical Physics</i> , 2020 , 65, 1384-1390	1.39	2
56	Low-Threshold Field Electron Emission from Two-Dimensional Carbon Structures. <i>Technical Physics Letters</i> , 2019 , 45, 467-470	0.7	2
55	Determination of the Supramolecular Structure of Fluorocopolymer by Inverse Gas Chromatography. <i>Polymer Science - Series A</i> , 2019 , 61, 382-391	1.2	
54	Prospects for Development of an Eco-Friendly Nanocarbon Matrix for Combined Immobilized Microbial Preparations. <i>Russian Journal of General Chemistry</i> , 2019 , 89, 2756-2762	0.7	1
53	Mechanism of Functionalization of the Surfaces of Detonation Nanodiamonds: Mass-Spectrometric Investigation. <i>Journal of Superhard Materials</i> , 2018 , 40, 16-20	0.9	1
52	On the lubrication mechanism of detonation-synthesis nanodiamond additives in lubricant composites. <i>Technical Physics</i> , 2017 , 62, 1364-1371	0.5	2
51	Self-organization processes in polysiloxane block copolymers, initiated by modifying fullerene additives. <i>Physics of the Solid State</i> , 2017 , 59, 1656-1661	0.8	1

50	Detonation nanodiamonds as antioxidants in various test systems. <i>Journal of Superhard Materials</i> , 2017 , 39, 326-335	0.9	
49	Aqueous Emulsions of Polysiloxane Polyblock Copolymers as a Basis for Weatherproof Protective Coatings. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 3250-3254	0.7	1
48	Mass-Spectrometric Analysis of Water Desorption upon Polyurethane Wear in Vacuum. <i>Key Engineering Materials</i> , 2016 , 674, 115-120	0.4	2
47	Self-propagating high-temperature synthesis as a promising method for the utilization of technical lignins. <i>Russian Journal of General Chemistry</i> , 2016 , 86, 3008-3011	0.7	7
46	Geometrical characteristics of detonation diamond particles by the data of small-angle X-ray scattering. <i>Journal of Superhard Materials</i> , 2015 , 37, 357-362	0.9	1
45	Thermo- and photoinduced interaction between the components of a poly(n-butyl methacrylate)fullerene C60 composite. <i>Technical Physics Letters</i> , 2015 , 41, 1113-1115	0.7	3
44	Perspectives for thiamin as a preparation for correction of free radical states of different origin. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2886-2897	0.7	
43	Environmental problems of wood biomass processing. Waste processing lignin. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2898-2907	0.7	3
42	The influence of detonation synthesis conditions on surface properties of detonation nanodiamonds. <i>Journal of Superhard Materials</i> , 2014 , 36, 165-170	0.9	5
41	Lignin wastes: Past, present, and future. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 2632-2642	0.7	10
40	The thermodynamics of dissolution of low-molecular-mass compounds in polymethyl[2-(3-trifluoromethyl-2,2,3-trifluorocyclobutyl)ethyl]siloxane studied via inverse gas chromatography. <i>Polymer Science - Series A</i> , 2013 , 55, 218-224	1.2	1
39	Biological activity of detonation nanodiamond and prospects in its medical and biological applications. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 851-883	0.7	17
38	Molecular Organization in Ethylene-Perfluoroether Copolymers. <i>Journal of Macromolecular Science - Physics</i> , 2013 , 52, 1818-1828	1.4	
37	Environmental problems of finely dispersed titanium dioxide production. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 2651-2662	0.7	3
36	Selective membranes with biologically active surface. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 2745-2749	0.7	
35	Model of Polymer Reinforcement With Detonation Nanodiamonds. <i>Journal of Macromolecular Science - Physics</i> , 2013 , 52, 1811-1817	1.4	2
34	Environmental issues related to preparation of detonation nanodiamonds. Surface and functionalization. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 2253-2255	0.7	4
33	Surface characterization of detonation nanodiamond particles. <i>Russian Journal of General Chemistry</i> , 2012 , 82, 2256-2258	0.7	1

32	Surface modification of detonation nanodiamonds by the perfluorobutyl radical. <i>Russian Journal of Applied Chemistry</i> , 2012 , 85, 1090-1094	0.8	6
31	Nanocarbons-Induced Hardening of Ultrathin Polysiloxane Block Copolymer Films. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012 , 20, 487-495	1.8	
30	Atomic force microscopy of the supramolecular organization and strength properties of ultrathin polysiloxane block copolymer films. <i>Physics of the Solid State</i> , 2011 , 53, 1882-1890	0.8	2
29	Fine structure of the thermal decomposition kinetics of polymethylmethacrylate filled with detonation nanodiamonds. <i>Physics of the Solid State</i> , 2011 , 53, 2365-2369	0.8	5
28	Modification of detonation-synthesized nanodiamonds by a hydrocarbon radical as a method of producing highly dispersed water suspensions of diamond. <i>Journal of Superhard Materials</i> , 2011 , 33, 244-249	0.9	1
27	Specific Features of the Distribution of Modifying Fullerene Additives in Ultrathin Polymeric Films. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010 , 18, 437-440	1.8	3
26	Structure, mechanical, and tribological characteristics of polyurethane modified with nanodiamonds. <i>Polymer Science - Series A</i> , 2010 , 52, 1044-1050	1.2	22
25	Determination of the molecular-weight characteristics of polyacrylic acid and its copolymer with butyl acrylate. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 728-731	0.8	1
24	Polymeric nanocomposites based on fluoropolymers and nanocarbon from detonation synthesis. <i>Russian Journal of Applied Chemistry</i> , 2010 , 83, 890-894	0.8	
23	The study of polydispersity of detonation-synthesized nanocarbons by dynamic light diffusion. <i>Journal of Superhard Materials</i> , 2009 , 31, 318-322	0.9	
22	Rheological characteristics and relaxation properties of polymer-nanodiamond composites. <i>Russian Journal of Applied Chemistry</i> , 2009 , 82, 1041-1045	0.8	15
21	Sorption properties of the interfacial layer in polyester-polysiloxane block copolymers (inverse gas chromatography). <i>Physics of the Solid State</i> , 2009 , 51, 2409-2414	0.8	1
20	Calculation of Physicochemical Parameters of Organic-Inorganic Polymeric Nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008 , 16, 644-649	1.8	7
19	Modification of Iron Nanoclusters by Perfluorinated Radicals. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008 , 16, 706-710	1.8	3
18	Self-organization of Fullerene Molecules in Thin Polymeric Films. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008 , 16, 654-658	1.8	3
17	Modification of the track membrane surface by ultrathin films of polysiloxane block copolymers. <i>Technical Physics Letters</i> , 2007 , 33, 715-718	0.7	3
16	Self-organization processes and sedimentation stability in detonation nanodiamond suspensions. <i>Technical Physics Letters</i> , 2007 , 33, 865-868	0.7	4
15	Specific features of the molecular organization of solutions of ethylene-perfluorinated ether copolymers. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 629-633	0.8	

14	Specific features of formation of 3D chemical networks in siloxane block copolymers. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 979-982	0.8	
13	Application of reverse gas chromatography to studying the microheterogeneous structure of block copolymers. <i>Russian Journal of Applied Chemistry</i> , 2007 , 80, 1570-1574	0.8	
12	Inverse gas chromatographic study of supramolecular organization in microheterogeneous systems for the example of polyblock copolymers. <i>Russian Journal of Applied Chemistry</i> , 2006 , 79, 1998-2006	0.8	
11	Self-organization in nanocomposites based on detonation nanodiamonds. <i>Physics of the Solid State</i> , 2004 , 46, 644-648	0.8	19
10	Structure of the dispersive medium and sedimentation resistance of suspensions of detonation nanodiamonds. <i>Physics of the Solid State</i> , 2004 , 46, 662-664	0.8	10
9	Model of formation of three-dimensional polyurethane films modified by detonation nanodiamonds. <i>Physics of the Solid State</i> , 2004 , 46, 746-747	0.8	10
8	Distribution of Perfluoro(propyl Vinyl Ether) between the Latex Based on Tetrafluoroethylene Copolymer and the Gas Phase. <i>Russian Journal of Applied Chemistry</i> , 2002 , 75, 142-145	0.8	1
7	Cluster polymers composites on basis of diamond containing nanocarbon of explosive synthesis 1997 , 353-359		
6	A study of the sorption properties of thin films of polyblock block-copolymers of phenylsilsesquioxane and linear polysiloxanes by inverse gas chromatography. <i>Polymer Science USSR</i> , 1991 , 33, 509-515		1
5	Interfacial interaction of components in block copolymers and the sorption of low molecular compounds by them. <i>Polymer Science USSR</i> , 1988 , 30, 2478-2482		
4	Aspects of the behaviour of block copolymers at temperatures below the glass transition point of one of the homopolymers using inverse gas chromatography. <i>Polymer Science USSR</i> , 1986 , 28, 1049-1056		2
3	Low-threshold field electron emission from graphene nanostructures. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 1-6	1.8	
2	Phenomenological model of synthesis of few-layer graphene (FLG) by the selfpropagating high-temperature synthesis (SHS) method from biopolymers. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 1-7	1.8	
1	Thermal conductivity and heat capacity of nanofluid based on water modified by hybrid material of composition detonation nanodiamonds-carbon nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 1-5	1.8	1