Alexander P Voznyakovskii

List of Publications by Year
in descending order

69	289	932766	1058022
papers	citations	10 h-index	14 g-index

70	70	70	234
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure, mechanical, and tribological characteristics of polyurethane modified with nanodiamonds. Polymer Science - Series A, 2010, 52, 1044-1050.	0.4	24
2	Self-organization in nanocomposites based on detonation nanodiamonds. Physics of the Solid State, 2004, 46, 644-648.	0.2	21
3	Biological activity of detonation nanodiamond and prospects in its medical and biological applications. Russian Journal of General Chemistry, 2013, 83, 851-883.	0.3	20
4	Rheological characteristics and relaxation properties of polymer-nanodiamond composites. Russian Journal of Applied Chemistry, 2009, 82, 1041-1045.	0.1	18
5	Powder hybrid nanomaterial: Detonation nanodiamonds â€“ Carbon nanotubes and its stable reversible water nanofluids. Journal of Colloid and Interface Science, 2020, 565, 305-314.	5.0	15
6	Structure of the dispersive medium and sedimentation resistance of suspensions of detonation nanodiamonds. Physics of the Solid State, 2004, 46, 662-664.	0.2	12
7	Carbon nanomaterials based on plant biopolymers as radionuclides sorbent. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 238-241.	1.0	12
8	Model of formation of three-dimensional polyurethane films modified by detonation nanodiamonds. Physics of the Solid State, 2004, 46, 746-747.	0.2	11
9	Lignin wastes: Past, present, and future. Russian Journal of General Chemistry, 2014, 84, 2632-2642.	0.3	11
10	Structure and Paramagnetic Properties of Graphene Nanoplatelets Prepared from Biopolymers Using Self-Propagating High-Temperature Synthesis. Journal of Structural Chemistry, 2020, 61, 826-834.	0.3	11
11	Self-propagating high-temperature synthesis as a promising method for the utilization of technical lignins. Russian Journal of General Chemistry, 2016, 86, 3008-3011.	0.3	9
12	The influence of detonation synthesis conditions on surface properties of detonation nanodiamonds. Journal of Superhard Materials, 2014, 36, 165-170.	0.5	8
13	Calculation of Physicochemical Parameters of Organicâ€Inorganic Polymeric Nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 644-649.	1.0	7
14	Surface modification of detonation nanodiamonds by the perfluorobutyl radical. Russian Journal of Applied Chemistry, 2012, 85, 1090-1094.	0.1	7
15	Environmental problems of wood biomass processing. Waste processing lignin. Russian Journal of General Chemistry, 2015, 85, 2898-2907.	0.3	7
16	A Quantitative Chemical Method for Determining the Surface Concentration of Stoneâ€“Wales Defects for 1D and 2D Carbon Nanomaterials. Nanomaterials, 2022, 12, 883.	1.9	7
17	Fine structure of the thermal decomposition kinetics of polymethylmethacrylate filled with detonation nanodiamonds. Physics of the Solid State, 2011, 53, 2365-2369.	0.2	6
18	Environmental issues related to preparation of detonation nanodiamonds. Surface and functionalization. Russian Journal of General Chemistry, 2012, 82, 2253-2255.	0.3	6

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19	Environmental problems of finely dispersed titanium dioxide production. Russian Journal of General Chemistry, 2013, 83, 2651-2662.	0.3	5
20	Self-organization processes and sedimentation stability in detonation nanodiamond suspensions. Technical Physics Letters, 2007, 33, 865-868.	0.2	4
21	2D Nanocarbons as the Matrix for Immobilized Microbial Preparations. Technical Physics, 2020, 65, 1384-1390.	0.2	4
22	Low-threshold field electron emission from graphene nanostructures. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 53-58.	1.0	4
23	New Way of Synthesis of Few-Layer Graphene Nanosheets by the Self Propagating High-Temperature Synthesis Method from Biopolymers. Nanomaterials, 2022, 12, 657.	1.9	4
24	Modification of the track membrane surface by ultrathin films of polysiloxane block copolymers. Technical Physics Letters, 2007, 33, 715-718.	0.2	3
25	Modification of Iron Nanoclusters by Perfluorinated Radicals. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 706-710.	1.0	3
26	Selfâ€organization of Fullerene Molecules in Thin Polymeric Films. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 654-658.	1.0	3
27	Specific Features of the Distribution of Modifying Fullerene Additives in Ultrathin Polymeric Films. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 437-440.	1.0	3
28	Model of Polymer Reinforcement With Detonation Nanodiamonds. Journal of Macromolecular Science - Physics, 2013, 52, 1811-1817.	0.4	3
29	Thermo- and photoinduced interaction between the components of a poly(n-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342	0.2	3
30	Mass-Spectrometric Analysis of Water Desorption upon Polyurethane Wear in Vacuum. Key Engineering Materials, 2016, 674, 115-120.	0.4	3
31	On the lubrication mechanism of detonation-synthesis nanodiamond additives in lubricant composites. Technical Physics, 2017, 62, 1364-1371.	0.2	3
32	Hardness and thermal conductivity of a composite based on aluminum modified with a hybrid material detonation nanodiamond/few-layer graphene. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 205-210.	1.0	3
33	Biomass of Sosnowskyâ€™s Hogweed as Raw Material for Obtaining 2D Carbonic Nanostructures. Russian Journal of Bioorganic Chemistry, 2021, 47, 1381-1388.	0.3	3
34	Aspects of the behaviour of block copolymers at temperatures below the glass transition point of one of the homopolymers using inverse gas chromatography. Polymer Science USSR, 1986, 28, 1049-1056.	0.2	2
35	Atomic force microscopy of the supramolecular organization and strength properties of ultrathin polysiloxane block copolymer films. Physics of the Solid State, 2011, 53, 1882-1890.	0.2	2
36	Self-organization processes in polysiloxane block copolymers, initiated by modifying fullerene additives. Physics of the Solid State, 2017, 59, 1656-1661.	0.2	2

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37	Low-Threshold Field Electron Emission from Two-Dimensional Carbon Structures. Technical Physics Letters, 2019, 45, 467-470.	0.2	2
38	Laser initiation of modified complex cobalt (III) perchlorate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1254-1260.	0.6	2
39	Thermal conductivity and heat capacity of nanofluid based on water modified by hybrid material of composition detonation nanodiamonds-carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 5-9.	1.0	2
40	Hogweed Biomass as a Raw Material for Producing 2D Nanocarbons: An Environmental Aspect. Russian Journal of General Chemistry, 2020, 90, 2627-2631.	0.3	2
41	A study of the sorption properties of thin films of polyblock block-copolymers of phenylsilsesquioxane and linear polysiloxanes by inverse gas chromatography. Polymer Science USSR, 1991, 33, 509-515.	0.2	1
42	Title is missing!. Russian Journal of Applied Chemistry, 2002, 75, 142-145.	0.1	1
43	Sorption properties of the interfacial layer in polyester-polysiloxane block copolymers (inverse gas) Tj ETQq1 1 0.784314 rgBT /Overlo	0.2	1
44	Determination of the molecular-weight characteristics of polyacrylic acid and its copolymer with butyl acrylate. Russian Journal of Applied Chemistry, 2010, 83, 728-731.	0.1	1
45	Modification of detonation-synthesized nanodiamonds by a hydrocarbon radical as a method of producing highly dispersed water suspensions of diamond. Journal of Superhard Materials, 2011, 33, 244-249.	0.5	1
46	Surface characterization of detonation nanodiamond particles. Russian Journal of General Chemistry, 2012, 82, 2256-2258.	0.3	1
47	The thermodynamics of dissolution of low-molecular-mass compounds in polymethyl[2â€²-(3-trifluoromethyl-2,2,3-trifluorocyclobutyl)ethyl]siloxane studied via inverse gas chromatography. Polymer Science - Series A, 2013, 55, 218-224.	0.4	1
48	Geometrical characteristics of detonation diamond particles by the data of small-angle X-ray scattering. Journal of Superhard Materials, 2015, 37, 357-362.	0.5	1
49	Aqueous Emulsions of Polysyloxane Polyblock Copolymers as a Basis for Weatherproof Protective Coatings. Russian Journal of General Chemistry, 2017, 87, 3250-3254.	0.3	1
50	Mechanism of Functionalization of the Surfaces of Detonation Nanodiamonds: Mass-Spectrometric Investigation. Journal of Superhard Materials, 2018, 40, 16-20.	0.5	1
51	Prospects for Development of an Eco-Friendly Nanocarbon Matrix for Combined Immobilized Microbial Preparations. Russian Journal of General Chemistry, 2019, 89, 2756-2762.	0.3	1
52	2D Carbon-Supported Platinum Catalysts for Hydrosilylation Reactions. Russian Journal of General Chemistry, 2020, 90, 1944-1948.	0.3	1
53	Interfacial interaction of components in block copolymers and the sorption of low molecular compounds by them. Polymer Science USSR, 1988, 30, 2478-2482.	0.2	0
54	Inverse gas chromatographic study of supramolecular organization in microheterogeneous systems for the example of polyblock copolymers. Russian Journal of Applied Chemistry, 2006, 79, 1998-2006.	0.1	0

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55	Specific features of the molecular organization of solutions of ethylene-perfluorinated ether copolymers. Russian Journal of Applied Chemistry, 2007, 80, 629-633.	0.1	0
56	Specific features of formation of 3D chemical networks in siloxane block copolymers. Russian Journal of Applied Chemistry, 2007, 80, 979-982.	0.1	0
57	Application of reverse gas chromatography to studying the microheterogeneous structure of block copolymers. Russian Journal of Applied Chemistry, 2007, 80, 1570-1574.	0.1	0
58	The study of polydispersity of detonation-synthesized nanocarbons by dynamic light diffusion. Journal of Superhard Materials, 2009, 31, 318-322.	0.5	0
59	Polymeric nanocomposites based on fluoropolymers and nanocarbon from detonation synthesis. Russian Journal of Applied Chemistry, 2010, 83, 890-894.	0.1	0
60	Nanocarbons-Induced Hardening of Ultrathin Polysiloxane Block Copolymer Films. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 487-495.	1.0	0
61	Molecular Organization in Ethylene-Perfluoroether Copolymers. Journal of Macromolecular Science - Physics, 2013, 52, 1818-1828.	0.4	0
62	Selective membranes with biologically active surface. Russian Journal of General Chemistry, 2013, 83, 2745-2749.	0.3	0
63	Perspectives for thiamin as a preparation for correction of free radical states of different origin. Russian Journal of General Chemistry, 2015, 85, 2886-2897.	0.3	0
64	Detonation nanodiamonds as antioxidants in various test systems. Journal of Superhard Materials, 2017, 39, 326-335.	0.5	0
65	Determination of the Supramolecular Structure of Fluorocopolymer by Inverse Gas Chromatography. Polymer Science - Series A, 2019, 61, 382-391.	0.4	0
66	Thermal conductivity and heat capacity of nanofluid based on water modified by hybrid material of composition detonation nanodiamonds-carbon nanotubes. IOP Conference Series: Materials Science and Engineering, 2021, 1118, 012024.	0.3	0
67	Cluster polymers composites on basis of diamond containing nanocarbon of explosive synthesis. , 1997, , 353-359.		0
68	Integrated Approach to Conservation and Regeneration of Forest Resources of Russia. Russian Journal of General Chemistry, 2020, 90, 2606-2611.	0.3	0
69	Phenomenological model of synthesis of few-layer graphene (FLG) by the selfpropagating high-temperature synthesis (SHS) method from biopolymers. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 59-65.	1.0	0