Aleksenskii Aleksandr

List of Publications by Year
in descending order

61	2,499	218677	197818
papers	citations	26 h-index	49 g-index

61	61	61	2017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatially Resolved Spinâ€“Lattice Relaxation Times and Line Widths in Manganese-Grafted Detonation Nanodiamonds. Journal of Physical Chemistry C, 2022, 126, 1489-1495.	3.1	4
2	PVPâ€coated Gdâ€grafted nanodiamonds as a novel and potentially safer contrast agent for in vivo MRI. Magnetic Resonance in Medicine, 2021, 86, 935-942.	3.0	32
3	Deagglomeration of polycrystalline diamond synthesized from graphite by shock-compression. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 779-782.	2.1	1
4	Clustering of Diamond Nanoparticles, Fluorination and Efficiency of Slow Neutron Reflectors. Nanomaterials, 2021, 11, 1945.	4.1	10
5	Manganese-grafted detonation nanodiamond, a novel potential MRI contrast agent. Diamond and Related Materials, 2021, 119, 108590.	3.9	11
6	Effect of Particle Sizes on the Efficiency of Fluorinated Nanodiamond Neutron Reflectors. Nanomaterials, 2021, 11, 3067.	4.1	4
7	Revealing the structure of composite nanodiamondâ€“graphene oxide aqueous dispersions by small-angle scattering. Diamond and Related Materials, 2020, 103, 107670.	3.9	9
8	SANS analysis of aqueous dispersions of Eu- and Gd-grafted nanodiamond particles. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 272-276.	2.1	6
9	Structural Studies of Detonation Nanodiamonds with Grafted Metal Ions by Small-Angle Neutron Scattering. Journal of Surface Investigation, 2020, 14, S132-S133.	0.5	3
10	Diffusion of Overheated and Overcooled Particles as a Mechanism of Thermal Conductivity in Nanofluids. JETP Letters, 2020, 111, 338-342.	1.4	1
11	Examining relaxivities in suspensions of nanodiamonds grafted by magnetic entities: comparison of two approaches. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 885-888.	2.0	4
12	Interaction of Carboxyl Groups with Rare Metal Ions on the Surface of Detonation Nanodiamonds. European Journal of Inorganic Chemistry, 2019, 2019, 4345-4349.	2.0	15
13	A Study of the Process of Gold Plating from Citrate and Phosphate Electrolytes in the Presence of Modified Detonation Nanodiamonds. Journal of Superhard Materials, 2019, 41, 169-177.	1.2	4
14	Solâ€“Gel Transition in Nanodiamond Aqueous Dispersions by Small-Angle Scattering. Journal of Physical Chemistry C, 2019, 123, 18028-18036.	3.1	22
15	Gd(III)-Grafted Detonation Nanodiamonds for MRI Contrast Enhancement. Journal of Physical Chemistry C, 2019, 123, 2627-2631.	3.1	46
16	Stabilization of detonation nanodiamonds hydrosol in physiological media with poly(vinylpyrrolidone). Diamond and Related Materials, 2018, 87, 78-89.	3.9	16
17	Transition sol-gel in nanodiamond hydrosols. Carbon, 2017, 114, 242-249.	10.3	42
18	Rehybridization of carbon on facets of detonation diamond nanocrystals and forming hydrosols of individual particles. Carbon, 2017, 122, 737-745.	10.3	72

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19	Adapter modification for a high-speed centrifuge rotor for use with standard medical polypropylene tubes. Instruments and Experimental Techniques, 2017, 60, 880-882.	0.5	1
20	Nanoscale Perforation of Graphene Oxide during Photoreduction Process in the Argon Atmosphere. Journal of Physical Chemistry C, 2016, 120, 28261-28269.	3.1	85
21	Formation of nanodiamond films from aqueous suspensions during spin coating. Technical Physics, 2016, 61, 401-408.	0.7	7
22	Magnetic Resonance Study of Gadolinium-Grafted Nanodiamonds. Journal of Physical Chemistry C, 2016, 120, 19804-19811.	3.1	28
23	On the structure of concentrated detonation nanodiamond hydrosols with a positive Î¶ potential: Analysis of small-angle neutron scattering. Chemical Physics Letters, 2016, 658, 58-62.	2.6	30
24	Etching of wrinkled graphene oxide films in noble gas atmosphere under UV irradiation. Nanosystems: Physics, Chemistry, Mathematics, 2016, , 81-86.	0.4	4
25	Detonation nanodiamond complexes with cancer stem cells inhibitors or paracrine products of mesenchymal stem cells as new potential medications. Crystallography Reports, 2015, 60, 763-767.	0.6	3
26	Magnetic studies of a detonation nanodiamond with the surface modified by gadolinium ions. Physics of the Solid State, 2015, 57, 2314-2319.	0.6	10
27	One-step synthesis of a suspended ultrathin graphene oxide film: Application in transmission electron microscopy. Micron, 2015, 68, 23-26.	2.2	20
28	Combined Experimental and DFT Study of the Chemical Binding of Copper Ions on the Surface of Nanodiamonds. Bulletin of the Chemical Society of Japan, 2014, 87, 693-704.	3.2	22
29	Single-layer graphene oxide films on a silicon surface. Technical Physics, 2013, 58, 1614-1618.	0.7	20
30	Deaggregation of diamond nanoparticles studied by NMR. Diamond and Related Materials, 2012, 27-28, 45-48.	3.9	18
31	Ordered porous diamond films fabricated by colloidal crystal templating. Nanotechnology, 2012, 23, 015601.	2.6	26
32	Comprehensive study of electrosurface properties of detonation nanodiamond particle agglomerates in aqueous KCl solutions. Colloid Journal, 2012, 74, 463-471.	1.3	12
33	The applicability of dynamic light scattering to determination of nanoparticle dimensions in sols. Technical Physics Letters, 2012, 38, 1049-1052.	0.7	17
34	The Nucleation and Growth of Nanocrystalline Diamond Films in Millimeter-Wave CVD Reactor. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 600-605.	2.1	4
35	Magnetic resonance evidence of manganeseâ€“graphene complexes in reduced graphene oxide. Solid State Communications, 2012, 152, 466-468.	1.9	40
36	Optical properties of detonation nanodiamond hydrosols. Physics of the Solid State, 2012, 54, 578-585.	0.6	27

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37	Locating inherent unpaired orbital spins in detonation nanodiamonds through the targeted surface decoration by paramagnetic probes. Diamond and Related Materials, 2011, 20, 318-321.	3.9	30
38	Absorption and scattering of light in nanodiamond hydrosols. Diamond and Related Materials, 2011, 20, 279-284.	3.9	25
39	Infrared absorption study of surface functional groups providing chemical modification of nanodiamonds by divalent copper ion complexes. Diamond and Related Materials, 2011, 20, 1234-1238.	3.9	42
40	Monolayer graphene from graphite oxide. Diamond and Related Materials, 2011, 20, 105-108.	3.9	66
41	Boron-doped transparent conducting nanodiamond films. Technical Physics Letters, 2011, 37, 322-325.	0.7	4
42	Effect of tetraethoxysilane pretreatment on synthesis of colloidal particles of amorphous silicon dioxide. Colloid Journal, 2011, 73, 546-550.	1.3	35
43	Aerosol deposition of detonation nanodiamonds used as nucleation centers for the growth of nanocrystalline diamond films and isolated particles. Technical Physics, 2011, 56, 718-724.	0.7	17
44	Deagglomeration of Detonation Nanodiamonds. Nanoscience and Nanotechnology Letters, 2011, 3, 68-74.	0.4	156
45	Proton magnetic resonance study of diamond nanoparticles decorated by transition metal ions. Journal Physics D: Applied Physics, 2011, 44, 125303.	2.8	40
46	Surface charge of detonation nanodiamond particles in aqueous solutions of simple 1 : 1 Electrolytes. Colloid Journal, 2010, 72, 640-646.	1.3	11
47	Structure and magnetic properties of detonation nanodiamond chemically modified by copper. Journal of Applied Physics, 2010, 107, .	2.5	45
48	The Fundamental Properties and Characteristics of Nanodiamonds. , 2010, , 55-77.		13
49	Detonation Nanodiamonds as Catalyst Supports. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 19, 63-68.	2.1	34
50	Nanodiamonds. , 2010, , .		37
51	Magnetic Resonance Study of Detonation Nanodiamonds with Surface Chemically Modified by Transition Metal Ions. Applied Magnetic Resonance, 2009, 36, 317-329.	1.2	37
52	Unusually tight aggregation in detonation nanodiamond: Identification and disintegration. Carbon, 2005, 43, 1722-1730.	10.3	579
53	Intercalation of ultrafine-dispersed diamond in aqueous suspensions. Physics of the Solid State, 2004, 46, 685-686.	0.6	12
54	Nanodiamonds intercalated with metals: structure and diamond-graphite phase transitions. Diamond and Related Materials, 2004, 13, 2076-2080.	3.9	18

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55	Defects and impurities in nanodiamonds: EPR, NMR and TEM study. Journal of Physics and Chemistry of Solids, 2002, 63, 1993-2001.	4.0	174
56	Optical properties of nanodiamond layers. Physics of the Solid State, 2001, 43, 145-150.	0.6	72
57	Effect of hydrogen on the structure of ultradisperse diamond. Physics of the Solid State, 2000, 42, 1575-1578.	0.6	34
58	Ultradisperse diamond cluster aggregation studied by atomic force microscopy. Technical Physics Letters, 2000, 26, 819-821.	0.7	30
59	The structure of diamond nanoclusters. Physics of the Solid State, 1999, 41, 668-671.	0.6	174
60	Diamond-graphite phase transition in ultradisperse-diamond clusters. Physics of the Solid State, 1997, 39, 1007-1015.	0.6	131
61	Optical properties of layers of ultradisperse diamond obtained from an aqueous suspension. Technical Physics Letters, 1997, 23, 874-876.	0.7	7