Mikhail V Korobov

List of Publications by Year
in descending order

30	1,427	394421 19	454955 30
papers	citations	h-index	g-index

30	30	30	1737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photothermal and Heat-Transfer Properties of Aqueous Detonation Nanodiamonds by Photothermal Microscopy and Transient Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 7808-7823.	3.1	7
2	Green and rapid preparation of long-term stable aqueous dispersions of fullerenes and endohedral fullerenes: The pros and cons of an ultrasonic probe. Ultrasonics Sonochemistry, 2021, 73, 105533.	8.2	19
3	Thermal Conductivity of Detonation Nanodiamond Hydrogels and Hydrosols by Direct Heat Flux Measurements. Gels, 2021, 7, 248.	4.5	4
4	Photothermal spectroscopy: A promising tool for nanofluids. Journal of Applied Physics, 2020, 128, .	2.5	20
5	Swollen Structures of Brodie Graphite Oxide as Solid Solvates. Journal of Physical Chemistry C, 2020, 124, 23410-23418.	3.1	9
6	Mobility of liquids intercalated into the interplane space of graphite oxide as revealed by a combination of 19F NMR, 1H NMR and EPR spin probe methods. Physical Chemistry Chemical Physics, 2020, 22, 19969-19974.	2.8	7
7	Activated graphene as a material for supercapacitor electrodes: effects of surface area, pore size distribution and hydrophilicity. Physical Chemistry Chemical Physics, 2019, 21, 17901-17912.	2.8	43
8	State of aggregation and toxicity of aqueous fullerene solutions. Applied Surface Science, 2019, 483, 69-75.	6.1	29
9	Swelling of graphene oxide membranes in alcohols: effects of molecule size and air ageing. Journal of Materials Chemistry A, 2019, 7, 11331-11337.	10.3	38
10	Absorption spectra of nanodiamond aqueous dispersions by optical absorption and optoacoustic spectroscopies. Photoacoustics, 2018, 12, 55-66.	7.8	23
11	Properties of Graphite Oxide Powders and Membranes as Revealed by Electron Paramagnetic Resonance Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 22750-22759.	3.1	18
12	Graphite oxide swelling in molten sugar alcohols and their aqueous solutions. Carbon, 2018, 140, 157-163.	10.3	15
13	Optimization of the solvent-exchange process for high-yield synthesis of aqueous fullerene dispersions. Nanosystems: Physics, Chemistry, Mathematics, 2018, , 41-45.	0.4	4
14	Multilayered intercalation of 1-octanol into Brodie graphite oxide. Nanoscale, 2017, 9, 6929-6936.	5.6	27
15	Aqueous Dispersions of Unmodified Y@C82 (C2v) Endohedral Metallofullerene. ChemistrySelect, 2017, 2, 8936-8940.	1.5	3
16	Quasi-equilibrium distribution of pristine fullerenes C60 and C70 in a waterâ€“toluene system. Carbon, 2017, 111, 191-197.	10.3	20
17	Approach to the Assessment of Size-Dependent Thermal Properties of Disperse Solutions: Time-Resolved Photothermal Lensing of Aqueous Pristine Fullerenes C₆₀ and C₇₀. Journal of Physical Chemistry C, 2016, 120, 28270-28287.	3.1	21
18	Sorption of polar organic solvents and water by graphite oxide: Thermodynamic approach. Carbon, 2016, 102, 297-303.	10.3	47

#	Article	IF	Citations
19	Structural Characteristics of Aqueous Dispersions of Detonation Nanodiamond and Their Aggregate Fractions as Revealed by Small-Angle Neutron Scattering. Journal of Physical Chemistry C, 2015, 119, 794-802.	3.1	50
20	Delamination of graphite oxide in a liquid upon cooling. Nanoscale, 2015, 7, 12625-12630.	5.6	33
21	Elemental analysis of nanodiamonds by inductively-coupled plasma atomic emission spectroscopy. Carbon, 2014, 74, 1-13.	10.3	41
22	Non-reversible solvatochromism in N-methyl-2-pyrrolidone/toluene mixed solutions of fullerene C60. Chemical Physics Letters, 2013, 556, 178-181.	2.6	33
23	Improving the dispersity of detonation nanodiamond: differential scanning calorimetry as a new method of controlling the aggregation state of nanodiamond powders. Nanoscale, 2013, 5, 1529.	5.6	48
24	Selective Intercalation of Graphite Oxide by Methanol in Water/Methanol Mixtures. Journal of Physical Chemistry C, 2013, 117, 1963-1968.	3.1	51
25	Aggregate structure of â€œsingle-nano buckydiamondâ€•in gel and dried powder by differential scanning calorimetry and nitrogen adsorption. Diamond and Related Materials, 2010, 19, 665-671.	3.9	33
26	Why are Solutions of C₆₀â€Piperazine Purple at pH 11?. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 267-277.	2.1	1
27	Solvation Free Energies of the Fullerenes C60and C70in the Framework of Polarizable Continuum Model. Journal of Physical Chemistry B, 2003, 107, 9692-9700.	2.6	43
28	Organic Solvent Dispersions of Single-Walled Carbon Nanotubes:â€‰ Toward Solutions of Pristine Nanotubes. Journal of Physical Chemistry B, 2000, 104, 8911-8915.	2.6	592
29	Calorimetric Studies of Solvates of C60 and C70 with Aromatic Solvents. Journal of Physical Chemistry B, 1999, 103, 1339-1346.	2.6	95
30	C60Â·Bromobenzene Solvate:Â Crystallographic and Thermochemical Studies and Their Relationship to C60Solubility in Bromobenzene. Journal of Physical Chemistry B, 1998, 102, 3712-3717.	2.6	53