

# Mikhail V Korobov

## List of Publications by Year in descending order

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30  
papers

1,427  
citations

393982

19  
h-index

454577

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photothermal and Heat-Transfer Properties of Aqueous Detonation Nanodiamonds by Photothermal Microscopy and Transient Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7808-7823.	1.5	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. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105533.	3.8	19
3	Thermal Conductivity of Detonation Nanodiamond Hydrogels and Hydrosols by Direct Heat Flux Measurements. <i>Gels</i> , 2021, 7, 248.	2.1	4
4	Photothermal spectroscopy: A promising tool for nanofluids. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	20
5	Swollen Structures of Brodie Graphite Oxide as Solid Solvates. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23410-23418.	1.5	9
6	Mobility of liquids intercalated into the interplane space of graphite oxide as revealed by a combination of $^{19}\text{F}$ NMR, $^1\text{H}$ NMR and EPR spin probe methods. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19969-19974.	1.3	7
7	Activated graphene as a material for supercapacitor electrodes: effects of surface area, pore size distribution and hydrophilicity. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17901-17912.	1.3	43
8	State of aggregation and toxicity of aqueous fullerene solutions. <i>Applied Surface Science</i> , 2019, 483, 69-75.	3.1	29
9	Swelling of graphene oxide membranes in alcohols: effects of molecule size and air ageing. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11331-11337.	5.2	38
10	Absorption spectra of nanodiamond aqueous dispersions by optical absorption and optoacoustic spectroscopies. <i>Photoacoustics</i> , 2018, 12, 55-66.	4.4	23
11	Properties of Graphite Oxide Powders and Membranes as Revealed by Electron Paramagnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22750-22759.	1.5	18
12	Graphite oxide swelling in molten sugar alcohols and their aqueous solutions. <i>Carbon</i> , 2018, 140, 157-163.	5.4	15
13	Optimization of the solvent-exchange process for high-yield synthesis of aqueous fullerene dispersions. <i>Nanosystems: Physics, Chemistry, Mathematics</i> , 2018, , 41-45.	0.2	4
14	Multilayered intercalation of 1-octanol into Brodie graphite oxide. <i>Nanoscale</i> , 2017, 9, 6929-6936.	2.8	27
15	Aqueous Dispersions of Unmodified Y@C82 (C2v ) Endohedral Metallofullerene. <i>ChemistrySelect</i> , 2017, 2, 8936-8940.	0.7	3
16	Quasi-equilibrium distribution of pristine fullerenes C60 and C70 in a water-toluene system. <i>Carbon</i> , 2017, 111, 191-197.	5.4	20
17	Approach to the Assessment of Size-Dependent Thermal Properties of Disperse Solutions: Time-Resolved Photothermal Lensing of Aqueous Pristine Fullerenes C <sub>60</sub> and C <sub>70</sub> . <i>Journal of Physical Chemistry C</i> , 2016, 120, 28270-28287.	1.5	21
18	Sorption of polar organic solvents and water by graphite oxide: Thermodynamic approach. <i>Carbon</i> , 2016, 102, 297-303.	5.4	47

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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.	1.5	50
20	Delamination of graphite oxide in a liquid upon cooling. Nanoscale, 2015, 7, 12625-12630.	2.8	33
21	Elemental analysis of nanodiamonds by inductively-coupled plasma atomic emission spectroscopy. Carbon, 2014, 74, 1-13.	5.4	41
22	Non-reversible solvatochromism in N-methyl-2-pyrrolidone/toluene mixed solutions of fullerene C60. Chemical Physics Letters, 2013, 556, 178-181.	1.2	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.	2.8	48
24	Selective Intercalation of Graphite Oxide by Methanol in Water/Methanol Mixtures. Journal of Physical Chemistry C, 2013, 117, 1963-1968.	1.5	51
25	Aggregate structure of "single-nano buckydiamond" in gel and dried powder by differential scanning calorimetry and nitrogen adsorption. Diamond and Related Materials, 2010, 19, 665-671.	1.8	33
26	Why are Solutions of C <sub>60</sub> in Piperazine Purple at pH 11?. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 267-277.	1.0	1
27	Solvation Free Energies of the Fullerenes C60 and C70 in the Framework of Polarizable Continuum Model. Journal of Physical Chemistry B, 2003, 107, 9692-9700.	1.2	43
28	Organic Solvent Dispersions of Single-Walled Carbon Nanotubes: Toward Solutions of Pristine Nanotubes. Journal of Physical Chemistry B, 2000, 104, 8911-8915.	1.2	592
29	Calorimetric Studies of Solvates of C60 and C70 with Aromatic Solvents. Journal of Physical Chemistry B, 1999, 103, 1339-1346.	1.2	95
30	C60·Bromobenzene Solvate: Crystallographic and Thermochemical Studies and Their Relationship to C60 Solubility in Bromobenzene. Journal of Physical Chemistry B, 1998, 102, 3712-3717.	1.2	53