

Vsevolod V Cherepanov

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37
papers

726
citations

16
h-index

26
g-index

40
ext. papers

825
ext. citations

3.5
avg, IF

3.64
L-index

#	Paper	IF	Citations
37	On the origin of C ₆₀ fullerene solubility in aqueous solution. <i>Langmuir</i> , 2014 , 30, 3967-70	4	95
36	Structural Features of Highly Stable Reproducible C ₆₀ Fullerene Aqueous Colloid Solution Probed by Various Techniques. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 530-534	1.8	80
35	Characterization of C ₆₀ fullerene complexation with antibiotic doxorubicin. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 23164-72	3.6	50
34	Structural organization of C ₆₀ fullerene, doxorubicin, and their complex in physiological solution as promising antitumor agents. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	44
33	Improved dispersant-free liquid exfoliation down to the graphene-like state of solvent-free mechanochemically delaminated bulk MoS ₂ . <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6411	7.1	44
32	High yield of graphene by dispersant-free liquid exfoliation of mechanochemically delaminated graphite. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	42
31	In vitro and in vivo toxicity of pristine C ₆₀ fullerene aqueous colloid solution. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019 , 27, 715-728	1.8	41
30	Structural self-organization of C ₆₀ and cisplatin in physiological solution. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26084-92	3.6	38
29	Optical Properties of Pyrolytic Carbon Films Versus Graphite and Graphene. <i>Nanoscale Research Letters</i> , 2015 , 10, 946	5	28
28	Does C fullerene act as a transporter of small aromatic molecules?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 164, 134-143	6	25
27	Study of anti-fibrillogenic activity of iron(II) clathrochelates. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 1883-8	3.4	24
26	Efficient dispersant-free liquid exfoliation down to the graphene-like state of solvent-free mechanochemically delaminated bulk hexagonal boron nitride. <i>RSC Advances</i> , 2016 , 6, 47112-47119	3.7	23
25	The Impact of Surface Functionalization on the Biophysical Properties of Silver Nanoparticles. <i>Nanomaterials</i> , 2019 , 9,	5.4	21
24	C Fullerene as an Effective Nanoplatfom of Alkaloid Berberine Delivery into Leukemic Cells. <i>Pharmaceutics</i> , 2019 , 11,	6.4	21
23	Studies of anti-fibrillogenic activity of phthalocyanines of zirconium containing out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 330-4	3.4	17
22	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 674-9	3.3	16
21	A low work function substrate for STM studies of objects with poor tunneling transparency: lanthanum hexaboride (100). <i>Surface Science</i> , 1998 , 416, 460-465	1.8	13

20	The impact of binding of macrocyclic metal complexes on amyloid fibrillization of insulin and lysozyme. <i>Journal of Molecular Recognition</i> , 2017 , 30, e2622	2.6	12
19	Effect of iron-doped multi-walled carbon nanotubes on lipid model and cellular plasma membranes. <i>Materials Science and Engineering C</i> , 2012 , 32, 1486-9	8.3	12
18	Study of the complexation between Landomycin A and C60 fullerene in aqueous solution. <i>RSC Advances</i> , 2016 , 6, 81231-81236	3.7	11
17	Facile mechanochemical preparation of nitrogen and fluorine co-doped graphene and its electrocatalytic performance. <i>Carbon</i> , 2019 , 152, 274-283	10.4	9
16	Anti-fibrillogenic properties of phthalocyanines: effect of the out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 6918-23	3.4	9
15	Liquid exfoliation of mechanochemically nanostructured tungsten disulfide to a graphene-like state. <i>Nanotechnology</i> , 2018 , 29, 085704	3.4	8
14	Effect of mechanochemical preparation of 2D g-C ₃ N ₄ on electronic properties and efficiency of photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17922-17929	6.7	7
13	Self-assembly of the deposited graphene-like nanoparticles and possible nanotrack artefacts in AFM studies. <i>Nano Express</i> , 2020 , 1, 010004	2	5
12	Single-walled carbon nanotubes affect the expression of the CCND2 gene in human U87 glioma cells. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2016 , 47, 180-188	0.9	5
11	Optical linear and nonlinear properties of hybrid liquid crystal cells containing gold island films. <i>Molecular Crystals and Liquid Crystals</i> , 2020 , 696, 93-100	0.5	4
10	Light-Emitting Diode of Planar Type Based on Nanocomposites Consisting of Island Au Film and Organic Luminophore Tb(thd) ₃ . <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 497, 186/[518]-195/[527]	0.5	4
9	One-dimensional array of point-like light sources based on gold nanoparticles and tetracene: Preparation and possible operation mechanisms. <i>Applied Physics Letters</i> , 2014 , 105, 193302	3.4	3
8	Structure and Electrochemical Properties of Aqueous Suspensions of Functionalized Single- and Multiwalled Carbon Nanotubes. <i>Ukrainian Journal of Physics</i> , 2014 , 59, 433-438	0.4	3
7	Modified Graphenes Prepared by the Interaction of Mechanochemically Nanostructured Graphite with Water and Aliphatic Alcohols. <i>Theoretical and Experimental Chemistry</i> , 2019 , 55, 96-102	1.3	2
6	Functional Organic Structures with Neutral and Charge Electronic Excitations Transfer for Molecular Electronics. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 496, 39-50	0.5	2
5	Few-layer versus mono-layer N-doped graphenes in oxygen reduction reaction. <i>Applied Surface Science</i> , 2022 , 580, 152279	6.7	2
4	Boosting graphene electrocatalytic efficiency in oxygen reduction reaction by mechanochemically induced low-temperature nitrogen doping. <i>Electrochimica Acta</i> , 2021 , 399, 139410	6.7	2
3	Application of MALDI-TOF mass spectrometry for study on fibrillar and oligomeric aggregates of alpha-synuclein. <i>Biopolymers and Cell</i> , 2014 , 30, 190-196	0.3	1

- 2 Anticoronavirus Activity of Water-Soluble Pristine C Fullerenes: In Vitro and In Silico Screenings..
Advances in Experimental Medicine and Biology, **2021**, 1352, 159-172 3.6 1
- 1 A Novel Water-Soluble C60 Fullerene-Based Nano-Platform Enhances Efficiency of Anticancer
Chemotherapy **2022**, 59-93