

Vsevolod V Cherepanov

List of Publications by Year in descending order

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38
papers

915
citations

471061

17
h-index

454577

30
g-index

40
all docs

40
docs citations

40
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Origin of C ₆₀ Fullerene Solubility in Aqueous Solution. <i>Langmuir</i> , 2014, 30, 3967-3970.	1.6	109
2	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.	1.0	103
3	<i>In vitro</i> and <i>in vivo</i> toxicity of pristine C ₆₀ fullerene aqueous colloid solution. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 715-728.	1.0	66
4	Characterization of C ₆₀ fullerene complexation with antibiotic doxorubicin. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23164-23172.	1.3	55
5	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.	2.7	50
6	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.	0.8	49
7	High yield of graphene by dispersant-free liquid exfoliation of mechanochemically delaminated graphite. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	46
8	Structural self-organization of C ₆₀ and cisplatin in physiological solution. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26084-26092.	1.3	40
9	Does C ₆₀ fullerene act as a transporter of small aromatic molecules?. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 134-143.	2.5	34
10	Study of anti-fibrillogenic activity of iron(II) clathrochelates. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1883-1888.	1.4	33
11	Optical Properties of Pyrolytic Carbon Films Versus Graphite and Graphene. <i>Nanoscale Research Letters</i> , 2015, 10, 946.	3.1	33
12	The Impact of Surface Functionalization on the Biophysical Properties of Silver Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 973.	1.9	33
13	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.	1.7	31
14	C ₆₀ Fullerene as an Effective Nanoplatfom of Alkaloid Berberine Delivery into Leukemic Cells. <i>Pharmaceutics</i> , 2019, 11, 586.	2.0	29
15	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 674-679.	1.1	21
16	The impact of binding of macrocyclic metal complexes on amyloid fibrillization of insulin and lysozyme. <i>Journal of Molecular Recognition</i> , 2017, 30, e2622.	1.1	20
17	Studies of anti-fibrillogenic activity of phthalocyanines of zirconium containing out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 330-334.	1.4	19
18	Facile mechanochemical preparation of nitrogen and fluorine co-doped graphene and its electrocatalytic performance. <i>Carbon</i> , 2019, 152, 274-283.	5.4	18

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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, 1486-1489.	3.8	15
20	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.	0.8	13
21	Study of the complexation between Landomycin A and C60 fullerene in aqueous solution. <i>RSC Advances</i> , 2016, 6, 81231-81236.	1.7	12
22	Effect of mechanochemical preparation of 2D g-C3N4 on electronic properties and efficiency of photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17922-17929.	3.8	12
23	Anti-fibrillogenic properties of phthalocyanines: Effect of the out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6918-6923.	1.4	11
24	Liquid exfoliation of mechanochemically nanostructured tungsten disulfide to a graphene-like state. <i>Nanotechnology</i> , 2018, 29, 085704.	1.3	10
25	Few-layer versus mono-layer N-doped graphenes in oxygen reduction reaction. <i>Applied Surface Science</i> , 2022, 580, 152279.	3.1	7
26	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].	0.4	6
27	Self-assembly of the deposited graphene-like nanoparticles and possible nanotrack artefacts in AFM studies. <i>Nano Express</i> , 2020, 1, 010004.	1.2	6
28	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.	0.5	5
29	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.	0.4	5
30	Boosting graphene electrocatalytic efficiency in oxygen reduction reaction by mechanochemically induced low-temperature nitrogen doping. <i>Electrochimica Acta</i> , 2021, 399, 139410.	2.6	4
31	Anticoronavirus Activity of Water-Soluble Pristine C60 Fullerenes: In Vitro and In Silico Screenings. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1352, 159-172.	0.8	4
32	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.	1.5	3
33	Structure and Electrochemical Properties of Aqueous Suspensions of Functionalized Single- and Multiwalled Carbon Nanotubes. <i>Ukrainian Journal of Physics</i> , 2014, 59, 433-438.	0.1	3
34	Analysis of Biomechanical and Biochemical Markers of Rat Muscle Soleus Fatigue Processes Development during Long-Term Use of C60 Fullerene and N-Acetylcysteine. <i>Nanomaterials</i> , 2022, 12, 1552.	1.9	3
35	Functional Organic Structures with Neutral and Charge Electronic Excitations Transfer for Molecular Electronics. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 496, 39-50.	0.4	2
36	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.	0.2	2

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37	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.	0.1	1
38	A Novel Water-Soluble C60 Fullerene-Based Nano-Platform Enhances Efficiency of Anticancer Chemotherapy. , 2022, , 59-93.		0