Vsevolod V Cherepanov

List of Publications by Year
in descending order

38	915	471509 17	454955 30
papers	citations	h-index	g-index

40	40	40	1112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Origin of C₆₀ Fullerene Solubility in Aqueous Solution. Langmuir, 2014, 30, 3967-3970.	3.5	109
2	Structural Features of Highly Stable Reproducible C₆₀Fullerene Aqueous Colloid Solution Probed by Various Techniques. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 530-534.	2.1	103
3	In vitroandin vivotoxicity of pristine C₆₀fullerene aqueous colloid solution. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 715-728.	2.1	66
4	Characterization of C₆₀ fullerene complexation with antibiotic doxorubicin. Physical Chemistry Chemical Physics, 2014, 16, 23164-23172.	2.8	55
5	Improved dispersant-free liquid exfoliation down to the graphene-like state of solvent-free mechanochemically delaminated bulk MoS2. Journal of Materials Chemistry C, 2013, 1, 6411.	5.5	50
6	Structural organization of C60 fullerene, doxorubicin, and their complex in physiological solution as promising antitumor agents. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	49
7	High yield of graphene by dispersant-free liquid exfoliation of mechanochemically delaminated graphite. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	46
8	Structural self-organization of C₆₀ and cisplatin in physiological solution. Physical Chemistry Chemical Physics, 2015, 17, 26084-26092.	2.8	40
9	Does C60 fullerene act as a transporter of small aromatic molecules?. Colloids and Surfaces B: Biointerfaces, 2018, 164, 134-143.	5.0	34
10	Study of anti-fibrillogenic activity of iron(II) clathrochelates. Bioorganic and Medicinal Chemistry, 2014, 22, 1883-1888.	3.0	33
11	Optical Properties of Pyrolytic Carbon Films Versus Graphite and Graphene. Nanoscale Research Letters, 2015, 10, 946.	5.7	33
12	The Impact of Surface Functionalization on the Biophysical Properties of Silver Nanoparticles. Nanomaterials, 2019, 9, 973.	4.1	33
13	Efficient dispersant-free liquid exfoliation down to the graphene-like state of solvent-free mechanochemically delaminated bulk hexagonal boron nitride. RSC Advances, 2016, 6, 47112-47119.	3.6	31
14	C60 Fullerene as an Effective Nanoplatform of Alkaloid Berberine Delivery into Leukemic Cells. Pharmaceutics, 2019, 11, 586.	4.5	29
15	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. Journal of Bioscience and Bioengineering, 2013, 115, 674-679.	2.2	21
16	The impact of binding of macrocyclic metal complexes on amyloid fibrillization of insulin and lysozyme. Journal of Molecular Recognition, 2017, 30, e2622.	2.1	20
17	Studies of anti-fibrillogenic activity of phthalocyanines of zirconium containing out-of-plane ligands. Bioorganic and Medicinal Chemistry, 2012, 20, 330-334.	3.0	19
18	Facile mechanochemical preparation of nitrogen and fluorine co-doped graphene and its electrocatalytic performance. Carbon, 2019, 152, 274-283.	10.3	18

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19	Effect of iron-doped multi-walled carbon nanotubes on lipid model and cellular plasma membranes. Materials Science and Engineering C, 2012, 32, 1486-1489.	7.3	15
20	A low work function substrate for STM studies of objects with poor tunneling transparency: lanthanum hexaboride (100). Surface Science, 1998, 416, 460-465.	1.9	13
21	Study of the complexation between Landomycin A and C60 fullerene in aqueous solution. RSC Advances, 2016, 6, 81231-81236.	3.6	12
22	Effect of mechanochemical preparation of 2D g-C3N4 on electronic properties and efficiency of photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 17922-17929.	7.1	12
23	Anti-fibrillogenic properties of phthalocyanines: Effect of the out-of-plane ligands. Bioorganic and Medicinal Chemistry, 2014, 22, 6918-6923.	3.0	11
24	Liquid exfoliation of mechanochemically nanostructured tungsten disulfide to a graphene-like state. Nanotechnology, 2018, 29, 085704.	2.6	10
25	Few-layer versus mono-layer N-doped graphenes in oxygen reduction reaction. Applied Surface Science, 2022, 580, 152279.	6.1	7
26	Light-Emitting Diode of Planar Type Based on Nanocomposites Consisting of Island Au Film and Organic Luminofore Tb(thd)3. Molecular Crystals and Liquid Crystals, 2008, 497, 186/[518]-195/[527].	0.9	6
27	Self-assembly of the deposited graphene-like nanoparticles and possible nanotrack artefacts in AFM studies. Nano Express, 2020, 1, 010004.	2.4	6
28	Singleâ€walled carbon nanotubes affect the expression of the CCND2 gene in human U87 glioma cells. Materialwissenschaft Und Werkstofftechnik, 2016, 47, 180-188.	0.9	5
29	Optical linear and nonlinear properties of hybrid liquid crystal cells containing gold island films. Molecular Crystals and Liquid Crystals, 2020, 696, 93-100.	0.9	5
30	Boosting graphene electrocatalytic efficiency in oxygen reduction reaction by mechanochemically induced low-temperature nitrogen doping. Electrochimica Acta, 2021, 399, 139410.	5.2	4
31	Anticoronavirus Activity of Water-Soluble Pristine C60 Fullerenes: In Vitro and In Silico Screenings. Advances in Experimental Medicine and Biology, 2021, 1352, 159-172.	1.6	4
32	One-dimensional array of point-like light sources based on gold nanoparticles and tetracene: Preparation and possible operation mechanisms. Applied Physics Letters, 2014, 105, 193302.	3.3	3
33	Structure and Electrochemical Properties of Aqueous Suspensions of Functionalized Single- and Multiwalled Carbon Nanotubes. Ukrainian Journal of Physics, 2014, 59, 433-438.	0.2	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. Nanomaterials, 2022, 12, 1552.	4.1	3
35	Functional Organic Structures with Neutral and Charge Electronic Excitations Transfer for Molecular Electronics. Molecular Crystals and Liquid Crystals, 2008, 496, 39-50.	0.9	2
36	Modified Graphenes Prepared by the Interaction of Mechanochemically Nanostructured Graphite with Water and Aliphatic Alcohols. Theoretical and Experimental Chemistry, 2019, 55, 96-102.	0.8	2

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37	Application of MALDI-TOF mass spectrometry for study on fibrillar and oligomeric aggregates of alpha-synuclein. Biopolymers and Cell, 2014, 30, 190-196.	0.4	1
38	A Novel Water-Soluble C60 Fullerene-Based Nano-Platform Enhances Efficiency of Anticancer Chemotherapy. , 2022, , 59-93.		0