

Vsevolod V Cherepanov

List of Publications by Year in descending order

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915
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471509

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454955

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docs citations

40
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Water-Soluble C60 Fullerene-Based Nano-Platform Enhances Efficiency of Anticancer Chemotherapy. , 2022, , 59-93.		0
2	Few-layer versus mono-layer N-doped graphenes in oxygen reduction reaction. Applied Surface Science, 2022, 580, 152279.	6.1	7
3	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
4	Boosting graphene electrocatalytic efficiency in oxygen reduction reaction by mechanochemically induced low-temperature nitrogen doping. Electrochimica Acta, 2021, 399, 139410.	5.2	4
5	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
6	Self-assembly of the deposited graphene-like nanoparticles and possible nanotrack artefacts in AFM studies. Nano Express, 2020, 1, 010004.	2.4	6
7	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
8	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
9	The Impact of Surface Functionalization on the Biophysical Properties of Silver Nanoparticles. Nanomaterials, 2019, 9, 973.	4.1	33
10	C60 Fullerene as an Effective Nanoplatfrom of Alkaloid Berberine Delivery into Leukemic Cells. Pharmaceutics, 2019, 11, 586.	4.5	29
11	<i>In vitro</i> and <i>in vivo</i> toxicity of pristine C ₆₀ fullerene aqueous colloid solution. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 715-728.	2.1	66
12	Facile mechanochemical preparation of nitrogen and fluorine co-doped graphene and its electrocatalytic performance. Carbon, 2019, 152, 274-283.	10.3	18
13	Effect of mechanochemical preparation of 2D g-C ₃ N ₄ on electronic properties and efficiency of photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 17922-17929.	7.1	12
14	Does C60 fullerene act as a transporter of small aromatic molecules?. Colloids and Surfaces B: Biointerfaces, 2018, 164, 134-143.	5.0	34
15	Liquid exfoliation of mechanochemically nanostructured tungsten disulfide to a graphene-like state. Nanotechnology, 2018, 29, 085704.	2.6	10
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	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
18	Study of the complexation between Landomycin A and C60 fullerene in aqueous solution. RSC Advances, 2016, 6, 81231-81236.	3.6	12

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19	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
20	Structural organization of C60 fullerene, doxorubicin, and their complex in physiological solution as promising antitumor agents. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	49
21	Optical Properties of Pyrolytic Carbon Films Versus Graphite and Graphene. <i>Nanoscale Research Letters</i> , 2015, 10, 946.	5.7	33
22	Structural self-organization of C ₆₀ and cisplatin in physiological solution. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26084-26092.	2.8	40
23	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.	2.1	103
24	Anti-fibrillogenic properties of phthalocyanines: Effect of the out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6918-6923.	3.0	11
25	Study of anti-fibrillogenic activity of iron(II) clathrochelates. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1883-1888.	3.0	33
26	On the Origin of C ₆₀ Fullerene Solubility in Aqueous Solution. <i>Langmuir</i> , 2014, 30, 3967-3970.	3.5	109
27	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.	3.3	3
28	Characterization of C ₆₀ fullerene complexation with antibiotic doxorubicin. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23164-23172.	2.8	55
29	Structure and Electrochemical Properties of Aqueous Suspensions of Functionalized Single- and Multiwalled Carbon Nanotubes. <i>Ukrainian Journal of Physics</i> , 2014, 59, 433-438.	0.2	3
30	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.	0.4	1
31	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.	5.5	50
32	High yield of graphene by dispersant-free liquid exfoliation of mechanochemically delaminated graphite. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	46
33	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 674-679.	2.2	21
34	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.	7.3	15
35	Studies of anti-fibrillogenic activity of phthalocyanines of zirconium containing out-of-plane ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 330-334.	3.0	19
36	Functional Organic Structures with Neutral and Charge Electronic Excitations Transfer for Molecular Electronics. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 496, 39-50.	0.9	2

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37	Light-Emitting Diode of Planar Type Based on Nanocomposites Consisting of Island Au Film and Organic Luminofores Tb(thd) ₃ . <i>Molecular Crystals and Liquid Crystals</i> , 2008, 497, 186/[518]-195/[527].	0.9	6
38	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.	1.9	13