

Dmitry N Voylov

List of Publications by Year in descending order

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28
papers

648
citations

687363

13
h-index

580821

25
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all docs

28
docs citations

28
times ranked

1390
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the Nanoscale Heterogeneity of Solid Electrolyte Interphase Using Tip-Enhanced Raman Spectroscopy. <i>Joule</i> , 2019, 3, 2001-2019.	24.0	99
2	Effect of Binder Architecture on the Performance of Silicon/Graphite Composite Anodes for Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3470-3478.	8.0	77
3	Carbon nanomaterial produced by microwave exfoliation of graphite oxide: new insights. <i>RSC Advances</i> , 2014, 4, 587-592.	3.6	70
4	Unraveling the Molecular Weight Dependence of Interfacial Interactions in Poly(2-vinylpyridine)/Silica Nanocomposites. <i>ACS Macro Letters</i> , 2017, 6, 68-72.	4.8	65
5	Anisotropic Etching of Hexagonal Boron Nitride and Graphene: Question of Edge Terminations. <i>Nano Letters</i> , 2017, 17, 7306-7314.	9.1	54
6	High Temperature Thermoplastic Elastomers Synthesized by Living Anionic Polymerization in Hydrocarbon Solvent at Room Temperature. <i>Macromolecules</i> , 2016, 49, 2646-2655.	4.8	39
7	Robust and Elastic Polymer Membranes with Tunable Properties for Gas Separation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26483-26491.	8.0	32
8	Room temperature reduction of multilayer graphene oxide film on a copper substrate: Penetration and participation of copper phase in redox reactions. <i>Carbon</i> , 2014, 69, 563-570.	10.3	25
9	Graphene Oxide as a Radical Initiator: Free Radical and Controlled Radical Polymerization of Sodium 4-Vinylbenzenesulfonate with Graphene Oxide. <i>ACS Macro Letters</i> , 2016, 5, 199-202.	4.8	24
10	Synthesis and study of gold nanoparticles stabilized by bioflavonoids. <i>Russian Chemical Bulletin</i> , 2011, 60, 426-433.	1.5	23
11	Addition of Short Polymer Chains Mechanically Reinforces Glassy Poly(2-vinylpyridine)â€“Silica Nanoparticle Nanocomposites. <i>ACS Applied Nano Materials</i> , 2020, 3, 3427-3438.	5.0	21
12	Polymer composites prepared by low-temperature post-irradiation polymerization of C ₂ F ₄ in the presence of graphene-like material: synthesis and characterization. <i>RSC Advances</i> , 2015, 5, 9865-9874.	3.6	20
13	Correlation between temperature variations of static and dynamic properties in glass-forming liquids. <i>Physical Review E</i> , 2016, 94, 060603.	2.1	18
14	Material structureâ€“composite morphologyâ€“photovoltaic performance relationship for organic bulk heterojunction solar cells. <i>Chemical Communications</i> , 2012, 48, 9477.	4.1	14
15	Colorful Polymer Compositions with Dyed Graphene Oxide Nanosheets. , 2012, 2012, 1-5.		10
16	Enzyme Induced Formation of Monodisperse Hydrogel Nanoparticles Tunable in Size. <i>Chemistry of Materials</i> , 2015, 27, 2557-2565.	6.7	10
17	Effect of polymer residues on the electrical properties of large-area grapheneâ€“hexagonal boron nitride planar heterostructures. <i>Nanotechnology</i> , 2017, 28, 285601.	2.6	7
18	Noncontact tip-enhanced Raman spectroscopy for nanomaterials and biomedical applications. <i>Nanoscale Advances</i> , 2019, 1, 3392-3399.	4.6	7

#	ARTICLE	IF	CITATIONS
19	Kinetics of electron-ion processes in CdTe-based solid solutions in the CdTe-CdI ₂ system. <i>Inorganic Materials</i> , 2007, 43, 1065-1069.	0.8	6
20	Highly Permeable Oligo(ethylene oxide)-co -poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700113.	5.3	6
21	Effect of iodine doping on the kinetics of microwave photoconductivity in cadmium telluride. <i>High Energy Chemistry</i> , 2007, 41, 126-127.	0.9	5
22	The impedance of solutions of AOT/water micelles in hexane. <i>Russian Journal of Physical Chemistry A</i> , 2007, 81, 2030-2034.	0.6	5
23	Oscillatory behaviour of the surface reduction process of multilayer graphene oxide at room temperature. <i>RSC Advances</i> , 2016, 6, 78194-78201.	3.6	4
24	Influence of conditions of electrochemical deposition on properties of nanocrystalline CuInSe ₂ films. <i>Nanotechnologies in Russia</i> , 2013, 8, 292-296.	0.7	3
25	Corrosion Behavior of Zinc-Nickel and Graphene Layered Structures on Steel Substrates. <i>Advanced Engineering Materials</i> , 2019, 21, 1800949.	3.5	2
26	Self-assembly of charged CdTe nanoparticles. <i>JETP Letters</i> , 2012, 95, 656-661.	1.4	1
27	Carbon Dioxide Separation: Highly Permeable Oligo(ethylene oxide)-co -poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation (<i>Adv. Sustainable Syst.</i> 4/2018). <i>Advanced Sustainable Systems</i> , 2018, 2, 1870030.	5.3	1
28	A broadband dielectric spectroscopy study of the relaxation properties of H-Beta-ZnS zeolite-semiconductor nanocomposite. <i>Nanotechnologies in Russia</i> , 2009, 4, 290-295.	0.7	0