

# 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  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1390  
citing authors

#	ARTICLE	IF	CITATIONS
1	Addition of Short Polymer Chains Mechanically Reinforces Glassy Poly(2-vinylpyridine)â€“Silica Nanoparticle Nanocomposites. ACS Applied Nano Materials, 2020, 3, 3427-3438.	5.0	21
2	Unraveling the Nanoscale Heterogeneity of Solid Electrolyte Interphase Using Tip-Enhanced Raman Spectroscopy. Joule, 2019, 3, 2001-2019.	24.0	99
3	Noncontact tip-enhanced Raman spectroscopy for nanomaterials and biomedical applications. Nanoscale Advances, 2019, 1, 3392-3399.	4.6	7
4	Corrosion Behavior of Zincâ€“Nickel and Graphene Layered Structures on Steel Substrates. Advanced Engineering Materials, 2019, 21, 1800949.	3.5	2
5	Carbon Dioxide Separation: Highly Permeable Oligo(ethylene oxide)-co -poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation (Adv. Sustainable Syst. 4/2018). Advanced Sustainable Systems, 2018, 2, 1870030.	5.3	1
6	Highly Permeable Oligo(ethylene oxide)â€“co â€“poly(dimethylsiloxane) Membranes for Carbon Dioxide Separation. Advanced Sustainable Systems, 2018, 2, 1700113.	5.3	6
7	Effect of Binder Architecture on the Performance of Silicon/Graphite Composite Anodes for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 3470-3478.	8.0	77
8	Unraveling the Molecular Weight Dependence of Interfacial Interactions in Poly(2-vinylpyridine)/Silica Nanocomposites. ACS Macro Letters, 2017, 6, 68-72.	4.8	65
9	Effect of polymer residues on the electrical properties of large-area grapheneâ€“hexagonal boron nitride planar heterostructures. Nanotechnology, 2017, 28, 285601.	2.6	7
10	Robust and Elastic Polymer Membranes with Tunable Properties for Gas Separation. ACS Applied Materials & Interfaces, 2017, 9, 26483-26491.	8.0	32
11	Anisotropic Etching of Hexagonal Boron Nitride and Graphene: Question of Edge Terminations. Nano Letters, 2017, 17, 7306-7314.	9.1	54
12	Correlation between temperature variations of static and dynamic properties in glass-forming liquids. Physical Review E, 2016, 94, 060603.	2.1	18
13	High Temperature Thermoplastic Elastomers Synthesized by Living Anionic Polymerization in Hydrocarbon Solvent at Room Temperature. Macromolecules, 2016, 49, 2646-2655.	4.8	39
14	Oscillatory behaviour of the surface reduction process of multilayer graphene oxide at room temperature. RSC Advances, 2016, 6, 78194-78201.	3.6	4
15	Graphene Oxide as a Radical Initiator: Free Radical and Controlled Radical Polymerization of Sodium 4-Vinylbenzenesulfonate with Graphene Oxide. ACS Macro Letters, 2016, 5, 199-202.	4.8	24
16	Polymer composites prepared by low-temperature post-irradiation polymerization of C<sub>2</sub>F<sub>4</sub> in the presence of graphene-like material: synthesis and characterization. RSC Advances, 2015, 5, 9865-9874.	3.6	20
17	Enzyme Induced Formation of Monodisperse Hydrogel Nanoparticles Tunable in Size. Chemistry of Materials, 2015, 27, 2557-2565.	6.7	10
18	Carbon nanomaterial produced by microwave exfoliation of graphite oxide: new insights. RSC Advances, 2014, 4, 587-592.	3.6	70

#	ARTICLE	IF	CITATIONS
19	Room temperature reduction of multilayer graphene oxide film on a copper substrate: Penetration and participation of copper phase in redox reactions. Carbon, 2014, 69, 563-570.	10.3	25
20	Influence of conditions of electrochemical deposition on properties of nanocrystalline CuInSe <sub>2</sub> films. Nanotechnologies in Russia, 2013, 8, 292-296.	0.7	3
21	Colorful Polymer Compositions with Dyed Graphene Oxide Nanosheets. , 2012, 2012, 1-5.		10
22	Self-assembly of charged CdTe nanoparticles. JETP Letters, 2012, 95, 656-661.	1.4	1
23	Material structureâ€“composite morphologyâ€“photovoltaic performance relationship for organic bulk heterojunction solar cells. Chemical Communications, 2012, 48, 9477.	4.1	14
24	Synthesis and study of gold nanoparticles stabilized by bioflavonoids. Russian Chemical Bulletin, 2011, 60, 426-433.	1.5	23
25	A broadband dielectric spectroscopy study of the relaxation properties of H-Beta-ZnS zeolite-semiconductor nanocomposite. Nanotechnologies in Russia, 2009, 4, 290-295.	0.7	0
26	Effect of iodine doping on the kinetics of microwave photoconductivity in cadmium telluride. High Energy Chemistry, 2007, 41, 126-127.	0.9	5
27	Kinetics of electron-ion processes in CdTe-based solid solutions in the CdTe-CdI <sub>2</sub> system. Inorganic Materials, 2007, 43, 1065-1069.	0.8	6
28	The impedance of solutions of AOT/water micelles in hexane. Russian Journal of Physical Chemistry A, 2007, 81, 2030-2034.	0.6	5