

Dmytro Soloviov

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

718
citations

566801

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610482

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51
all docs

51
docs citations

51
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	SAS program for two-detector system: seamless curve from both detectors. Journal of Physics: Conference Series, 2017, 848, 012020.	0.3	69
2	Revealing the mechanism of passive transport in lipid bilayers via phonon-mediated nanometre-scale density fluctuations. Nature Communications, 2016, 7, 11575.	5.8	60
3	Unique structure and function of viral rhodopsins. Nature Communications, 2019, 10, 4939.	5.8	59
4	New opportunities provided by modernized small-angle neutron scattering two-detector system instrument (YuMO). Journal of Physics: Conference Series, 2011, 291, 012013.	0.3	57
5	Neutronographic investigations of supramolecular structures on upgraded small-angle spectrometer YuMO. Journal of Physics: Conference Series, 2017, 848, 012010.	0.3	42
6	Silver behenate and silver stearate powders for calibration of SAS instruments. Journal of Physics: Conference Series, 2012, 351, 012024.	0.3	35
7	Viral rhodopsins 1 are a unique family of light-gated cation channels. Nature Communications, 2020, 11, 5707.	5.8	33
8	Comparative Analysis of the Antineoplastic Activity of C60 Fullerene with 5-Fluorouracil and Pyrrole Derivative In Vivo. Nanoscale Research Letters, 2017, 12, 8.	3.1	28
9	Molecular Picture of the Transient Nature of Lipid Rafts. Langmuir, 2020, 36, 4887-4896.	1.6	26
10	Functional lipid pairs as building blocks of phase-separated membranes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4749-4757.	3.3	20
11	SAXS Combined with UV-vis Spectroscopy and QELS: Accurate Characterization of Silver Sols Synthesized in Polymer Matrices. Nanoscale Research Letters, 2016, 11, 35.	3.1	19
12	High-throughput SANS experiment on two-detector system of YuMO spectrometer. Journal of Physics: Conference Series, 2018, 994, 012016.	0.3	19
13	Mechanisms of membrane protein crystallization in α -bicelles TM . Scientific Reports, 2022, 12, .	1.6	17
14	Analysis of neutron spectra and fluxes obtained with cold and thermal moderators at IBR-2 reactor: Experimental and computer-modeling studies. Physics of Particles and Nuclei Letters, 2011, 8, 119-128.	0.1	16
15	Solution structure and excitation energy transfer in phycobiliproteins of <i>Acaryochloris marina</i> investigated by small angle scattering. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 318-324.	0.5	15
16	Small-Angle Neutron Scattering at the Pulsed Reactor IBR-2: Current Status and Prospects. Crystallography Reports, 2021, 66, 231-241.	0.1	15
17	Structure-based insights into evolution of rhodopsins. Communications Biology, 2021, 4, 821.	2.0	14
18	Novel pH-Sensitive Microbial Rhodopsin from <i>Sphingomonas paucimobilis</i> . Doklady Biochemistry and Biophysics, 2020, 495, 342-346.	0.3	14

#	ARTICLE	IF	CITATIONS
19	Anomalous Nanoscale Optoacoustic Phonon Mixing in Nematic Mesogens. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2546-2553.	2.1	13
20	Structure and property optimization of perfluorinated short side chain membranes for hydrogen fuel cells using orientational stretching. <i>RSC Advances</i> , 2016, 6, 108864-108875.	1.7	12
21	Ripple Phase Behavior in Mixtures of DPPC/POPC lipids: SAXS and SANS Studies. <i>Journal of Physics: Conference Series</i> , 2012, 351, 012010.	0.3	11
22	Lyotropic model membrane structures of hydrated DPPC: DSC and small-angle X-ray scattering studies of phase transitions in the presence of membranotropic agents. <i>Phase Transitions</i> , 2015, 88, 582-592.	0.6	11
23	Ambiguities and completeness of SAS data analysis: investigations of apoferritin by SAXS/SANS EID and SEC-SAXS methods. <i>Journal of Physics: Conference Series</i> , 2018, 994, 012017.	0.3	11
24	Revealing the structure of composite nanodiamond-graphene oxide aqueous dispersions by small-angle scattering. <i>Diamond and Related Materials</i> , 2020, 103, 107670.	1.8	9
25	X-ray scattering and volumetric P-V-T studies of the dimyristoylphosphatidylcholine-water system. <i>Journal of Surface Investigation</i> , 2011, 5, 7-10.	0.1	8
26	Structural Aspects of Fe ₃ O ₄ /CoFe ₂ O ₄ Magnetic Nanoparticles According to X-Ray and Neutron Scattering. <i>Journal of Surface Investigation</i> , 2018, 12, 737-743.	0.1	8
27	Synthesis and Characterization of Complex Nanostructured Thin Films Based on Titanium for Industrial Applications. <i>Materials</i> , 2020, 13, 399.	1.3	7
28	Properties of Ga-Doped Magnetite Nanoparticles. <i>Acta Physica Polonica A</i> , 2018, 134, 998-1002.	0.2	7
29	Changes in the Area per Lipid Molecule by P-T and SANS Investigations. <i>Macromolecular Symposia</i> , 2014, 335, 58-61.	0.4	6
30	Phase composition and magnetism of sol-gel synthesized Ga-Fe-O nanograins. <i>Phase Transitions</i> , 2018, 91, 128-139.	0.6	6
31	Nanoscale <i>in situ</i> -Resolved Phonon Dynamics in Block Copolymers. <i>ACS Applied Nano Materials</i> , 2018, 1, 4918-4926.	2.4	6
32	Temperature Driven Transformation in Dextran-Graft-PNIPAM/Embedded Silver Nanoparticle Hybrid System. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-7.	1.2	6
33	Magnetism of Surface-Modified and Gallium-Doped Magnetite Particles. <i>Journal of Surface Investigation</i> , 2020, 14, S85-S92.	0.1	6
34	Comparative study on low resolution structures of apoferritin via SANS and SAXS. <i>Journal of Physics: Conference Series</i> , 2012, 351, 012009.	0.3	5
35	Investigating the competitive effects of cholesterol and melatonin in model lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183651.	1.4	4
36	Small-Angle X-Ray Scattering and Differential Scanning Calorimetry Studies of DPPC Multilamellar Structures Containing Membranotropic Agents of Different Chemical Nature. <i>Ukrainian Journal of Physics</i> , 2015, 60, 905-909.	0.1	3

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37	Orientational uniaxial stretching of proton conducting perfluorinated membranes. Journal of Applied Polymer Science, 2022, 139, .	1.3	3
38	Structural analysis of aqueous ferrofluids with cobalt ferrite particles stabilized with lauric acid and sodium n-dodecyl sulphate. Journal of Physics: Conference Series, 2017, 848, 012026.	0.3	2
39	CEM V based special cementitious materials investigated by means of SANS method. Preliminary results. Journal of Physics: Conference Series, 2017, 848, 012024.	0.3	2
40	Small-angle neutron scattering investigations of Co-doped iron oxide nanoparticles. Preliminary results. Journal of Physics: Conference Series, 2018, 994, 012009.	0.3	2
41	Formation of antibiotic cycloserine complexes with stearic acid and its calcium and magnesium salts: from quantum mechanical modeling to studies of membranotropic action. Functional Materials, 2019, 26, .	0.4	2
42	NEMO/NLK Phosphorylates PERIOD to Initiate a Time-Delay Phosphorylation Circuit that Sets Circadian Clock Speed. Cell, 2011, 145, 635.	13.5	1
43	Magnetic system for small angle neutron scattering investigations of nanomaterials at YuMO-SANS instrument. Journal of Physics: Conference Series, 2012, 351, 012022.	0.3	1
44	Hybrid Evolutionary Decision-Making Model Based on Neural Network and Immune Approaches. , 2018, , .		1
45	Effect of oxyethylated glycerol cryoprotectants on DPPC model lipid membranes structure and phase. Problems of Cryobiology and Cryomedicine, 2015, 25, 186-186.	0.3	1
46	Influence of Cholesterol Concentration on Bacteriorhodopsin Photocycle. Ukrainian Journal of Physics, 2020, 65, 778.	0.1	1
47	Small-angle neutron scattering study of the structure of mixed micellar solutions based on heptaethylene glycol monotetradecyl ether and cesium dodecyl sulfate. Crystallography Reports, 2016, 61, 126-128.	0.1	0
48	Collaboration with JINR as Key for Nuclear Physics Development in Ukraine. Nauka Ta Innovacii, 2020, 16, 73-82.	0.2	0
49	Collaboration with JINR as Key for Nuclear Physics Development in Ukraine. Science and Innovation, 2020, 16, 72-81.	0.2	0