

Dmytro Soloviov

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

718
citations

566801

15
h-index

610482

24
g-index

51
all docs

51
docs citations

51
times ranked

758
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Orientational uniaxial stretching of proton conducting perfluorinated membranes. <i>Journal of Applied Polymer Science</i> , 2022, 139, . | 1.3 | 3 |
| 2 | Mechanisms of membrane protein crystallization in α -bicelles TM . <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 17 |
| 3 | Small-Angle Neutron Scattering at the Pulsed Reactor IBR-2: Current Status and Prospects. <i>Crystallography Reports</i> , 2021, 66, 231-241. | 0.1 | 15 |
| 4 | Structure-based insights into evolution of rhodopsins. <i>Communications Biology</i> , 2021, 4, 821. | 2.0 | 14 |
| 5 | 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 |
| 6 | 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 |
| 7 | Magnetism of Surface-Modified and Gallium-Doped Magnetite Particles. <i>Journal of Surface Investigation</i> , 2020, 14, S85-S92. | 0.1 | 6 |
| 8 | Viral rhodopsins 1 are a unique family of light-gated cation channels. <i>Nature Communications</i> , 2020, 11, 5707. | 5.8 | 33 |
| 9 | Functional lipid pairs as building blocks of phase-separated membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4749-4757. | 3.3 | 20 |
| 10 | Synthesis and Characterization of Complex Nanostructured Thin Films Based on Titanium for Industrial Applications. <i>Materials</i> , 2020, 13, 399. | 1.3 | 7 |
| 11 | Molecular Picture of the Transient Nature of Lipid Rafts. <i>Langmuir</i> , 2020, 36, 4887-4896. | 1.6 | 26 |
| 12 | Novel pH-Sensitive Microbial Rhodopsin from <i>Sphingomonas paucimobilis</i> . <i>Doklady Biochemistry and Biophysics</i> , 2020, 495, 342-346. | 0.3 | 14 |
| 13 | Collaboration with JINR as Key for Nuclear Physics Development in Ukraine. <i>Nauka Ta Innovacii</i> , 2020, 16, 73-82. | 0.2 | 0 |
| 14 | Influence of Cholesterol Concentration on Bacteriorhodopsin Photocycle. <i>Ukrainian Journal of Physics</i> , 2020, 65, 778. | 0.1 | 1 |
| 15 | Collaboration with JINR as Key for Nuclear Physics Development in Ukraine. <i>Science and Innovation</i> , 2020, 16, 72-81. | 0.2 | 0 |
| 16 | Unique structure and function of viral rhodopsins. <i>Nature Communications</i> , 2019, 10, 4939. | 5.8 | 59 |
| 17 | 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 |
| 18 | Formation of antibiotic cycloserine complexes with stearic acid and its calcium and magnesium salts: from quantum mechanical modeling to studies of membranotropic action. <i>Functional Materials</i> , 2019, 26, . | 0.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Phase composition and magnetism of sol-gel synthesized Ga-Fe-O nanograins. <i>Phase Transitions</i> , 2018, 91, 128-139. | 0.6 | 6 |
| 21 | Anomalous Nanoscale Optoacoustic Phonon Mixing in Nematic Mesogens. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2546-2553. | 2.1 | 13 |
| 22 | High-throughput SANS experiment on two-detector system of YuMO spectrometer. <i>Journal of Physics: Conference Series</i> , 2018, 994, 012016. | 0.3 | 19 |
| 23 | Hybrid Evolutionary Decision-Making Model Based on Neural Network and Immune Approaches. , 2018, , . | | 1 |
| 24 | Nanoscale <i>in situ</i> -Resolved Phonon Dynamics in Block Copolymers. <i>ACS Applied Nano Materials</i> , 2018, 1, 4918-4926. | 2.4 | 6 |
| 25 | Small-angle neutron scattering investigations of Co-doped iron oxide nanoparticles. Preliminary results. <i>Journal of Physics: Conference Series</i> , 2018, 994, 012009. | 0.3 | 2 |
| 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 | Properties of Ga-Doped Magnetite Nanoparticles. <i>Acta Physica Polonica A</i> , 2018, 134, 998-1002. | 0.2 | 7 |
| 28 | Solution structure and excitation energy transfer in phycobiliproteins of <i>Acaryochloris marina</i> investigated by small angle scattering. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 318-324. | 0.5 | 15 |
| 29 | Comparative Analysis of the Antineoplastic Activity of C60 Fullerene with 5-Fluorouracil and Pyrrole Derivative In Vivo. <i>Nanoscale Research Letters</i> , 2017, 12, 8. | 3.1 | 28 |
| 30 | Structural analysis of aqueous ferrofluids with cobalt ferrite particles stabilized with lauric acid and sodium n-dodecyl sulphate. <i>Journal of Physics: Conference Series</i> , 2017, 848, 012026. | 0.3 | 2 |
| 31 | Neutronographic investigations of supramolecular structures on upgraded small-angle spectrometer YuMO. <i>Journal of Physics: Conference Series</i> , 2017, 848, 012010. | 0.3 | 42 |
| 32 | SAS program for two-detector system: seamless curve from both detectors. <i>Journal of Physics: Conference Series</i> , 2017, 848, 012020. | 0.3 | 69 |
| 33 | CEM V based special cementitious materials investigated by means of SANS method. Preliminary results. <i>Journal of Physics: Conference Series</i> , 2017, 848, 012024. | 0.3 | 2 |
| 34 | Revealing the mechanism of passive transport in lipid bilayers via phonon-mediated nanometre-scale density fluctuations. <i>Nature Communications</i> , 2016, 7, 11575. | 5.8 | 60 |
| 35 | Small-angle neutron scattering study of the structure of mixed micellar solutions based on heptaethylene glycol monotetradecyl ether and cesium dodecyl sulfate. <i>Crystallography Reports</i> , 2016, 61, 126-128. | 0.1 | 0 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | SAXS Combined with UV-vis Spectroscopy and QELS: Accurate Characterization of Silver Sols Synthesized in Polymer Matrices. <i>Nanoscale Research Letters</i> , 2016, 11, 35. | 3.1 | 19 |
| 38 | 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 |
| 39 | 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 |
| 40 | Effect of oxyethylated glycerol cryoprotectants on DPPC model lipid membranes structure and phase. <i>Problems of Cryobiology and Cryomedicine</i> , 2015, 25, 186-186. | 0.3 | 1 |
| 41 | Changes in the Area per Lipid Molecule by P&V-T and SANS Investigations. <i>Macromolecular Symposia</i> , 2014, 335, 58-61. | 0.4 | 6 |
| 42 | Silver behenate and silver stearate powders for calibration of SAS instruments. <i>Journal of Physics: Conference Series</i> , 2012, 351, 012024. | 0.3 | 35 |
| 43 | Magnetic system for small angle neutron scattering investigations of nanomaterials at YuMO-SANS instrument. <i>Journal of Physics: Conference Series</i> , 2012, 351, 012022. | 0.3 | 1 |
| 44 | 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 |
| 45 | 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 |
| 46 | NEMO/NLK Phosphorylates PERIOD to Initiate a Time-Delay Phosphorylation Circuit that Sets Circadian Clock Speed. <i>Cell</i> , 2011, 145, 635. | 13.5 | 1 |
| 47 | Analysis of neutron spectra and fluxes obtained with cold and thermal moderators at IBR-2 reactor: Experimental and computer-modeling studies. <i>Physics of Particles and Nuclei Letters</i> , 2011, 8, 119-128. | 0.1 | 16 |
| 48 | 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 |
| 49 | New opportunities provided by modernized small-angle neutron scattering two-detector system instrument (YuMO). <i>Journal of Physics: Conference Series</i> , 2011, 291, 012013. | 0.3 | 57 |