

Wasim Abuillan

List of Publications by Year in descending order

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papers

242
citations

1040056

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#	ARTICLE	IF	CITATIONS
1	Physical interactions of fish protamine and antiseptic peptide drugs with bacterial membranes revealed by combination of specular x-ray reflectivity and grazing-incidence x-ray fluorescence. <i>Physical Review E</i> , 2013, 88, 012705.	2.1	33
2	N-glycosylation enables high lateral mobility of GPI-anchored proteins at a molecular crowding threshold. <i>Nature Communications</i> , 2016, 7, 12870.	12.8	29
3	Far-infrared spectroscopy on free-standing protein films under defined temperature and hydration control. <i>Journal of Chemical Physics</i> , 2012, 136, 075102.	3.0	23
4	Quantitative determination of the lateral density and intermolecular correlation between proteins anchored on the membrane surfaces using grazing incidence small-angle X-ray scattering and grazing incidence X-ray fluorescence. <i>Journal of Chemical Physics</i> , 2012, 137, 204907.	3.0	21
5	Accumulation of phosphatidylcholine on gut mucosal surface is not dominated by electrostatic interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 959-965.	2.6	18
6	Size, Shape, and Lateral Correlation of Highly Uniform, Mesoscopic, Self-Assembled Domains of Fluorocarbon-Hydrocarbon Diblocks at the Air/Water Interface: A GISAXS Study. <i>ChemPhysChem</i> , 2017, 18, 2791-2798.	2.1	17
7	Quantitative Determination of Lateral Concentration and Depth Profile of Histidine-Tagged Recombinant Proteins Probed by Grazing Incidence X-ray Fluorescence. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5002-5008.	2.6	14
8	Neutron Scattering Reveals Water Confined in a Watertight Bilayer Vesicle. <i>Journal of the American Chemical Society</i> , 2018, 140, 11261-11266.	13.7	13
9	Impact of Lipid Oxidation on Vertical Structures and Electrostatics of Phospholipid Monolayers Revealed by Combination of Specular X-ray Reflectivity and Grazing-Incidence X-ray Fluorescence. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9787-9794.	2.6	12
10	Flexible Modulation of Electronic Band Structures of Wide Band Gap GaN Semiconductors Using Bioinspired, Nonbiological Helical Peptides. <i>Advanced Functional Materials</i> , 2018, 28, 1704034.	14.9	9
11	Specific localisation of ions in bacterial membranes unravels physical mechanism of effective bacteria killing by sanitiser. <i>Scientific Reports</i> , 2020, 10, 12302.	3.3	7
12	Influence of length and conformation of saccharide head groups on the mechanics of glycolipid membranes: Unraveled by off-specular neutron scattering. <i>Journal of Chemical Physics</i> , 2015, 142, 154907.	3.0	6
13	Lensless Tomographic Imaging of Near Surface Structures of Frozen Hydrated Malaria-Infected Human Erythrocytes by Coherent X-Ray Diffraction Microscopy. <i>Scientific Reports</i> , 2017, 7, 14081.	3.3	6
14	Influence of the porphyrin structure and linker length on the interfacial behavior of phospholipid-porphyrin conjugates. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 441-450.	9.4	6
15	Three-Legged 2,2'-Bipyridine Monomer at the Air/Water Interface: Monolayer Structure and Reactions with Ni(II) Ions from the Subphase. <i>Langmuir</i> , 2017, 33, 1646-1654.	3.5	5
16	Ion-Mediated Cross-linking of Biopolymers Confined at Liquid/Liquid Interfaces Probed by In Situ High-Energy Grazing Incidence X-ray Photon Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8937-8942.	2.6	5
17	Photo-triggerable liposomes based on lipid-porphyrin conjugate and cholesterol combination: Formulation and mechanistic study on monolayers and bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183812.	2.6	5
18	Influence of Perfluorohexane-Enriched Atmosphere on Viscoelasticity and Structural Order of Self-Assembled Semifluorinated Alkanes at the Air-Water Interface. <i>ChemPhysChem</i> , 2019, 20, 1698-1705.	2.1	4

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19	Long-Range Lateral Correlation between Self-Assembled Domains of Fluorocarbon-Hydrocarbon Tetrablocks by Quantitative GISAXS. <i>ChemPhysChem</i> , 2019, 20, 898-904.	2.1	3
20	Dendronized oligoethylene glycols with phosphonate <i>tweezers</i> for cell-repellent coating of oxide surfaces: coarse-scale and nanoscopic interfacial forces. <i>RSC Advances</i> , 2021, 11, 17727-17733.	3.6	2
21	Modulation of viscoelasticity and interfacial potential of polyelectrolyte brush by ion-specific interactions. , 0, 2, .		2
22	Id1 and Id3 Are Regulated Through Matrix-Assisted Autocrine BMP Signaling and Represent Therapeutic Targets in Melanoma. <i>Advanced Therapeutics</i> , 2021, 4, 2000065.	3.2	1
23	Temperature and hydration-dependent THz investigations on proteins. , 2010, , .		0