

Wasim Abuillan

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
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	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
15	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
16	Impact of Lipid Oxidization 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
17	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
18	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

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19	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. Physical Review E, 2013, 88, 012705.	2.1	33
20	Far-infrared spectroscopy on free-standing protein films under defined temperature and hydration control. Journal of Chemical Physics, 2012, 136, 075102.	3.0	23
21	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. Journal of Chemical Physics, 2012, 137, 204907.	3.0	21
22	Temperature and hydration-dependent THz investigations on proteins. , 2010, , .		0
23	Modulation of viscoelasticity and interfacial potential of polyelectrolyte brush by ion-specific interactions. , 0, 2, .		2