

Ka Yee C Lee

List of Publications by Year in descending order

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33
papers

1,377
citations

430874

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414414

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of polymer-capped gold nanorods binding to model phospholipid monolayers. <i>JPhys Materials</i> , 2021, 4, 034004.	4.2	2
2	How Tim proteins differentially exploit membrane features to attain robust target sensitivity. <i>Biophysical Journal</i> , 2021, 120, 4891-4902.	0.5	5
3	Multiscale geometry and mechanics of lipid monolayer collapse. <i>Current Topics in Membranes</i> , 2021, 87, 1-45.	0.9	2
4	The C-terminal Domain of β -Synuclein Confers Steric Stabilization on Synaptic Vesicle-Like Surfaces. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902151.	3.7	2
5	Tailoring Biomimetic Phosphorylcholine-Containing Block Copolymers as Membrane-Targeting Cellular Rescue Agents. <i>Biomacromolecules</i> , 2019, 20, 3385-3391.	5.4	11
6	Impact of Surface Amphiphilicity on the Interfacial Behavior of Janus Particle Layers under Compression. <i>Langmuir</i> , 2019, 35, 15813-15824.	3.5	33
7	Beyond electrostatics: Antimicrobial peptide selectivity and the influence of cholesterol-mediated fluidity and lipid chain length on protegrin-1 activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 182977.	2.6	20
8	β -Synuclein Sterically Stabilizes Spherical Nanoparticle-Supported Lipid Bilayers. <i>ACS Applied Bio Materials</i> , 2019, 2, 1413-1419.	4.6	8
9	Enhanced Ordering in Monolayers Containing Glycosphingolipids: Impact of Carbohydrate Structure. <i>Biophysical Journal</i> , 2018, 114, 1103-1115.	0.5	7
10	Osmotic Shock-Triggered Assembly of Highly Charged, Nanoparticle-Supported Membranes. <i>Langmuir</i> , 2018, 34, 13000-13005.	3.5	6
11	Sensitivity of peripheral membrane proteins to the membrane context: A case study of phosphatidylserine and the TIM proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2126-2133.	2.6	13
12	Long-Range Organization of Membrane-Curving Proteins. <i>ACS Central Science</i> , 2017, 3, 1246-1253.	11.3	36
13	Coupling X-Ray Reflectivity and In Silico Binding to Yield Dynamics of Membrane Recognition by Tim1. <i>Biophysical Journal</i> , 2017, 113, 1505-1519.	0.5	17
14	Antimicrobial Peptides Share a Common Interaction Driven by Membrane Line Tension Reduction. <i>Biophysical Journal</i> , 2016, 111, 2176-2189.	0.5	51
15	Synergistic Interactions of Sugars/Polyols and Monovalent Salts with Phospholipids Depend upon Sugar/Polyol Complexity and Anion Identity. <i>Langmuir</i> , 2015, 31, 12688-12698.	3.5	8
16	Collapse of Particle-Laden Interfaces under Compression: Buckling vs Particle Expulsion. <i>Langmuir</i> , 2015, 31, 7764-7775.	3.5	90
17	Mechanical Stability of Polystyrene and Janus Particle Monolayers at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 15370-15373.	13.7	50
18	Metal-coordination: using one of nature's tricks to control soft material mechanics. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2467-2472.	5.8	178

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19	Thermodynamic and kinetic investigations of the release of oxidized phospholipids from lipid membranes and its effect on vascular integrity. <i>Chemistry and Physics of Lipids</i> , 2013, 175-176, 9-19.	3.2	16
20	Stressing Lipid Membranes: Effects of Polymers on Membrane Structural Integrity. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1480, 1.	0.1	1
21	An ultrasensitive tool exploiting hydration dynamics to decipher weak lipid membrane-polymer interactions. <i>Journal of Magnetic Resonance</i> , 2012, 215, 115-119.	2.1	32
22	Effects of bilayer phases on phospholipid-poloxamer interactions. <i>Soft Matter</i> , 2009, 5, 1496.	2.7	36
23	Lipid membrane templates the ordering and induces the fibrillogenesis of Alzheimer's disease amyloid peptide. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 1-24.	2.6	131
24	Collapse Mechanisms of Langmuir Monolayers. <i>Annual Review of Physical Chemistry</i> , 2008, 59, 771-791.	10.8	200
25	Lateral stress relaxation and collapse in lipid monolayers. <i>Soft Matter</i> , 2008, 4, 2019.	2.7	62
26	Headgroup Percolation and Collapse of Condensed Langmuir Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22079-22087.	2.6	64
27	Triblock Copolymer as an Effective Membrane-Sealing Material. <i>MRS Bulletin</i> , 2006, 31, 532-535.	3.5	7
28	Membrane Sealing by Polymers. <i>Annals of the New York Academy of Sciences</i> , 2005, 1066, 310-320.	3.8	54
29	Templating Effect of Lipid Membranes on Alzheimer's Amyloid Beta Peptide. <i>ChemPhysChem</i> , 2005, 6, 226-229.	2.1	42
30	Comparative Study of Poloxamer Insertion into Lipid Monolayers. <i>Langmuir</i> , 2003, 19, 1809-1815.	3.5	60
31	Synchrotron X-Ray Study of Lung Surfactant-Specific Protein SP-B in Lipid Monolayers. <i>Biophysical Journal</i> , 2001, 81, 572-585.	0.5	69
32	Apparatus for the Continuous Monitoring of Surface Morphology via Fluorescence Microscopy during Monolayer Transfer to Substrates. <i>Langmuir</i> , 1998, 14, 2567-2572.	3.5	58
33	Invited paper Fourier-transform heterodyne spectroscopy of liquid and solid surfaces. <i>Applied Physics B: Lasers and Optics</i> , 1996, 64, 1-13.	2.2	6