

# Rebecca Notman

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,559  
citations

361045

20  
h-index

476904

29  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2338  
citing authors

#	ARTICLE	IF	CITATIONS
1	The aggregation of striped nanoparticles in mixed phospholipid bilayers. <i>Nanoscale</i> , 2020, 12, 4868-4881.	2.8	8
2	Comparison of umbrella sampling and steered molecular dynamics methods for computing free energy profiles of aromatic substrates through phospholipid bilayers. <i>Journal of Chemical Physics</i> , 2020, 153, 034115.	1.2	15
3	Impact of oxetane incorporation on the structure and stability of alpha-helical peptides. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25075-25083.	1.3	2
4	Macrocyclisation of small peptides enabled by oxetane incorporation. <i>Chemical Science</i> , 2019, 10, 2465-2472.	3.7	31
5	Permeation pathways through lateral domains in model membranes of skin lipids. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2162-2174.	1.3	32
6	T-shaped Peptide Amphiphiles Self Assemble into Nanofiber Networks. <i>Pharmaceutical Nanotechnology</i> , 2018, 5, 215-219.	0.6	2
7	Synthesis of star-branched poly(vinyl alcohol) and ice recrystallization inhibition activity. <i>European Polymer Journal</i> , 2017, 88, 320-327.	2.6	15
8	Influence of Block Copolymerization on the Antifreeze Protein Mimetic Ice Recrystallization Inhibition Activity of Poly(vinyl alcohol). <i>Biomacromolecules</i> , 2016, 17, 3033-3039.	2.6	26
9	Complete Structure of an Epithelial Keratin Dimer: Implications for Intermediate Filament Assembly. <i>PLoS ONE</i> , 2015, 10, e0132706.	1.1	30
10	Ethanol induces the formation of water-permeable defects in model bilayers of skin lipids. <i>Chemical Communications</i> , 2015, 51, 5406-5409.	2.2	33
11	De novo design of transmembrane helix-helix interactions and measurement of stability in a biological membrane. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1248-1257.	1.4	11
12	Probing the Biomimetic Ice Nucleation Inhibition Activity of Poly(vinyl alcohol) and Comparison to Synthetic and Biological Polymers. <i>Biomacromolecules</i> , 2015, 16, 2820-2826.	2.6	35
13	Synthesis and structure of oxetane containing tripeptide motifs. <i>Chemical Communications</i> , 2014, 50, 8797.	2.2	47
14	Nanofiber-Based Delivery of Therapeutic Peptides to the Brain. <i>ACS Nano</i> , 2013, 7, 1016-1026.	7.3	77
15	Permeation of polystyrene nanoparticles across model lipid bilayer membranes. <i>Soft Matter</i> , 2013, 9, 10265.	1.2	25
16	Breaching the skin barrier - Insights from molecular simulation of model membranes. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 237-250.	6.6	96
17	Antifreeze (Glyco)protein Mimetic Behavior of Poly(vinyl alcohol): Detailed Structure Ice Recrystallization Inhibition Activity Study. <i>Biomacromolecules</i> , 2013, 14, 1578-1586.	2.6	187
18	Ice recrystallisation inhibition by polyols: comparison of molecular and macromolecular inhibitors and role of hydrophobic units. <i>Biomaterials Science</i> , 2013, 1, 478.	2.6	56

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19	Effects of the Oncogenic V <sub>664</sub> E Mutation on Membrane Insertion, Structure, and Sequence-Dependent Interactions of the Neu Transmembrane Domain in Micelles and Model Membranes: An Integrated Biophysical and Simulation Study. <i>Biochemistry</i> , 2012, 51, 2558-2568.	1.2	18
20	Type IX Collagen Interacts with Fibronectin Providing an Important Molecular Bridge in Articular Cartilage. <i>Journal of Biological Chemistry</i> , 2011, 286, 34986-34997.	1.6	35
21	Probing the Molecular Mechanisms of Quartz-Binding Peptides. <i>Langmuir</i> , 2010, 26, 11003-11009.	1.6	72
22	Solution Study of Engineered Quartz Binding Peptides Using Replica Exchange Molecular Dynamics. <i>Biomacromolecules</i> , 2010, 11, 3266-3274.	2.6	28
23	Probing diameter-selective solubilisation of carbon nanotubes by reversible cyclic peptides using molecular dynamics simulations. <i>Nanoscale</i> , 2010, 2, 98-106.	2.8	13
24	Molecular Dynamics Studies of the Interactions of Water and Amino Acid Analogues with Quartz Surfaces. <i>Langmuir</i> , 2009, 25, 1638-1644.	1.6	80
25	Simulations of Skin Barrier Function: Free Energies of Hydrophobic and Hydrophilic Transmembrane Pores in Ceramide Bilayers. <i>Biophysical Journal</i> , 2008, 95, 4763-4771.	0.2	42
26	Interaction of Oleic Acid with Dipalmitoylphosphatidylcholine (DPPC) Bilayers Simulated by Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12748-12755.	1.2	37
27	The Permeability Enhancing Mechanism of DMSO in Ceramide Bilayers Simulated by Molecular Dynamics. <i>Biophysical Journal</i> , 2007, 93, 2056-2068.	0.2	152
28	Molecular Basis for Dimethylsulfoxide (DMSO) Action on Lipid Membranes. <i>Journal of the American Chemical Society</i> , 2006, 128, 13982-13983.	6.6	346