

# Andrea Catte

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

715  
citations

687220

13  
h-index

677027

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing Liquid-Ordered and Disordered Phases in Lipid Model Membranes: A Combined Theoretical and Spectroscopic Study of a Fluorescent Molecular Rotor. <i>Journal of Physical Chemistry B</i> , 2022, , .	1.2	0
2	Analysis of L-DOPA and Droxidopa Binding to Human Beta 2-Adrenergic Receptor. <i>Biophysical Journal</i> , 2021, 120, 123a.	0.2	0
3	Analysis of L-DOPA and droxidopa binding to human $\beta$ 2-adrenergic receptor. <i>Biophysical Journal</i> , 2021, , .	0.2	1
4	Temperature Dependence of the Structure and Dynamics of a Dye-Labeled Lipid in a Planar Phospholipid Bilayer: A Computational Study. <i>Journal of Membrane Biology</i> , 2019, 252, 227-240.	1.0	7
5	Interplay between lipid lateral diffusion, dye concentration and membrane permeability unveiled by a combined spectroscopic and computational study of a model lipid bilayer. <i>Scientific Reports</i> , 2019, 9, 1508.	1.6	31
6	<i>In silico</i> investigation of the interaction between the voltage-gated potassium channel Kv4.3 and its auxiliary protein KCHIP1. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25290-25301.	1.3	2
7	Antimicrobial action of the cationic peptide, chrysopsin-3: a coarse-grained molecular dynamics study. <i>Soft Matter</i> , 2018, 14, 2796-2807.	1.2	19
8	Direct Prediction of EPR Spectra from Lipid Bilayers: Understanding Structure and Dynamics in Biological Membranes. <i>ChemPhysChem</i> , 2018, 19, 2183-2193.	1.0	9
9	Molecular electrometer and binding of cations to phospholipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32560-32569.	1.3	78
10	A robust all-atom model for LCAT generated by homology modeling. <i>Journal of Lipid Research</i> , 2015, 56, 620-634.	2.0	2
11	Surface Density-Induced Pleating of a Lipid Monolayer Drives Nascent High-Density Lipoprotein Assembly. <i>Structure</i> , 2015, 23, 1214-1226.	1.6	36
12	MD simulations suggest important surface differences between reconstituted and circulating spherical HDL. <i>Journal of Lipid Research</i> , 2013, 54, 2718-2732.	2.0	13
13	Validation of previous computer models and MD simulations of discoidal HDL by a recent crystal structure of apoA-I. <i>Journal of Lipid Research</i> , 2012, 53, 1851-1863.	2.0	22
14	“Sticky” and “Promiscuous”, the Yin and Yang of Apolipoprotein A-I Termini in Discoidal High-Density Lipoproteins: A Combined Computational~Experimental Approach. <i>Biochemistry</i> , 2011, 50, 2249-2263.	1.2	24
15	Structures of Discoidal High Density Lipoproteins. <i>Journal of Biological Chemistry</i> , 2010, 285, 4652-4665.	1.6	68
16	Assessment of the Validity of the Double Superhelix Model for Reconstituted High Density Lipoproteins. <i>Journal of Biological Chemistry</i> , 2010, 285, 41161-41171.	1.6	56
17	Role of Lipids in Spheroidal High Density Lipoproteins. <i>PLoS Computational Biology</i> , 2010, 6, e1000964.	1.5	81
18	Dynamics of Activation of Lecithin:Cholesterol Acyltransferase by Apolipoprotein A-I. <i>Biochemistry</i> , 2009, 48, 11196-11210.	1.2	46

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19	Thermal Stability of Apolipoprotein A-I in High-Density Lipoproteins by Molecular Dynamics. <i>Biophysical Journal</i> , 2009, 96, 354-371.	0.2	32
20	Structure of Spheroidal HDL Particles Revealed by Combined Atomistic and Coarse-Grained Simulations. <i>Biophysical Journal</i> , 2008, 94, 2306-2319.	0.2	80
21	Novel Changes in Discoidal High Density Lipoprotein Morphology: A Molecular Dynamics Study. <i>Biophysical Journal</i> , 2006, 90, 4345-4360.	0.2	89
22	Binding of Mg <sup>2+</sup> , Cd <sup>2+</sup> , and Ni <sup>2+</sup> to Liquid Crystalline NaDNA: Polarized Light Microscopy and NMR Investigations. <i>Biomacromolecules</i> , 2004, 5, 1552-1556.	2.6	9
23	Multinuclear NMR Investigation of the NaDNA/Ethidium Bromide Anisotropic System. <i>Journal of Biomolecular Structure and Dynamics</i> , 2002, 20, 99-105.	2.0	9