

# Fabio Lolicato

## List of Publications by Year in descending order

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26  
papers

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citations

567144

15  
h-index

642610

23  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid-Chaperone Hypothesis: A Common Molecular Mechanism of Membrane Disruption by Intrinsically Disordered Proteins. ACS Chemical Neuroscience, 2020, 11, 4336-4350.	1.7	101
2	The Role of Cholesterol in Driving IAPP-Membrane Interactions. Biophysical Journal, 2016, 111, 140-151.	0.2	74
3	Inhibition of A $\beta$ Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry. ACS Chemical Neuroscience, 2017, 8, 1767-1778.	1.7	72
4	Glycans as Tools for Preparing Carbohydrate Structures for Atomistic Simulations of Glycoproteins, Glycolipids, and Carbohydrate Polymers for GROMACS. Journal of Chemical Information and Modeling, 2017, 57, 2401-2406.	2.5	71
5	Phospholipids Critical Micellar Concentrations Trigger Different Mechanisms of Intrinsically Disordered Proteins Interaction with Model Membranes. Journal of Physical Chemistry Letters, 2018, 9, 5125-5129.	2.1	66
6	Key steps in unconventional secretion of fibroblast growth factor 2 reconstituted with purified components. ELife, 2017, 6, .	2.8	63
7	Resveratrol interferes with the aggregation of membrane-bound human-IAPP: A molecular dynamics study. European Journal of Medicinal Chemistry, 2015, 92, 876-881.	2.6	47
8	Lipid-assisted protein transport: A diffusion-reaction model supported by kinetic experiments and molecular dynamics simulations. Journal of Chemical Physics, 2016, 144, 184901.	1.2	45
9	The Role of Temperature and Lipid Charge on Intake/Uptake of Cationic Gold Nanoparticles into Lipid Bilayers. Small, 2019, 15, e1805046.	5.2	35
10	Symmetry-breaking transitions in the early steps of protein self-assembly. European Biophysics Journal, 2020, 49, 175-191.	1.2	28
11	Detection and characterization at nM concentration of oligomers formed by hIAPP, A $\beta$ (1-40) and their equimolar mixture using SERS and MD simulations. Physical Chemistry Chemical Physics, 2018, 20, 20588-20596.	1.3	22
12	Membrane-Dependent Binding and Entry Mechanism of Dopamine into Its Receptor. ACS Chemical Neuroscience, 2020, 11, 1914-1924.	1.7	21
13	The Na,K-ATPase acts upstream of phosphoinositide PI(4,5)P2 facilitating unconventional secretion of Fibroblast Growth Factor 2. Communications Biology, 2020, 3, 141.	2.0	21
14	Modulating A $\beta$ aggregation by tyrosol-based ligands: The crucial role of the catechol moiety. Biophysical Chemistry, 2020, 265, 106434.	1.5	19
15	Mcl-1 and Bok transmembrane domains: Unexpected players in the modulation of apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27980-27988.	3.3	19
16	Negatively Charged Gangliosides Promote Membrane Association of Amphipathic Neurotransmitters. Neuroscience, 2018, 384, 214-223.	1.1	17
17	A unifying framework for amyloid-mediated membrane damage: The lipid-chaperone hypothesis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2022, 1870, 140767.	1.1	15
18	The Devil Is in the Details: What Do We Really Track in Single-Particle Tracking Experiments of Diffusion in Biological Membranes?. Journal of Physical Chemistry Letters, 2019, 10, 1005-1011.	2.1	13

#	ARTICLE	IF	CITATIONS
19	Nanoparticle-Membrane Interactions: The Role of Temperature and Lipid Charge on Intake/Uptake of Cationic Gold Nanoparticles into Lipid Bilayers (Small 23/2019). <i>Small</i> , 2019, 15, 1970124.	5.2	8
20	The role of alpha-helix on the structure-targeting drug design of amyloidogenic proteins. <i>Chemistry and Physics of Lipids</i> , 2021, 236, 105061.	1.5	7
21	A Role for Liquid-Ordered Plasma Membrane Nanodomains Coordinating the Unconventional Secretory Pathway of Fibroblast Growth Factor 2?. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 864257.	1.8	5
22	Dimerization of the pulmonary surfactant protein C in a membrane environment. <i>PLoS ONE</i> , 2022, 17, e0267155.	1.1	5
23	Cholesterol Localization around the Metabotropic Glutamate Receptor 2. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9061-9078.	1.2	3
24	Lipids, Neurotransmitters and their Receptors. <i>Biophysical Journal</i> , 2017, 112, 392a.	0.2	0
25	Molecular Basis of GLUT4 in Glucose Transport: Atomistic Molecular Dynamics Study. <i>Biophysical Journal</i> , 2017, 112, 139a.	0.2	0
26	Initial Steps in the PI(4,5)P2 dependent Fibroblast Growth Factor 2 Oligomerization. <i>Biophysical Journal</i> , 2018, 114, 208a.	0.2	0