

# Markéta Palonciová

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,140  
citations

331259

21  
h-index

525886

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane-attached mammalian cytochromes P450: An overview of the membrane's effects on structure, drug binding, and interactions with redox partners. <i>Journal of Inorganic Biochemistry</i> , 2018, 183, 117-136.	1.5	117
2	Convergence of Free Energy Profile of Coumarin in Lipid Bilayer. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 1200-1211.	2.3	102
3	Behavior of Human Cytochromes P450 on Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11556-11564.	1.2	94
4	Amphiphilic Drug-Like Molecules Accumulate in a Membrane below the Head Group Region. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1030-1039.	1.2	89
5	Benchmarking of Force Fields for Molecule-Membrane Interactions. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 4143-4151.	2.3	73
6	Synergism of antioxidant action of vitamins E, C and quercetin is related to formation of molecular associations in biomembranes. <i>Chemical Communications</i> , 2015, 51, 7713-7716.	2.2	62
7	Progress and challenges in understanding of photoluminescence properties of carbon dots based on theoretical computations. <i>Applied Materials Today</i> , 2021, 22, 100924.	2.3	57
8	Molecular Insight into Affinities of Drugs and Their Metabolites to Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2403-2410.	1.2	50
9	In silico pharmacology: Drug membrane partitioning and crossing. <i>Pharmacological Research</i> , 2016, 111, 471-486.	3.1	50
10	Structural Changes in Ceramide Bilayers Rationalize Increased Permeation through Stratum Corneum Models with Shorter Acyl Tails. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9811-9819.	1.2	46
11	Role of Enzyme Flexibility in Ligand Access and Egress to Active Site: Bias-Exchange Metadynamics Study of 1,3,7-Trimethyluric Acid in Cytochrome P450 3A4. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 2101-2109.	2.3	44
12	Structural Dynamics of Carbon Dots in Water and N-Dimethylformamide Probed by All-Atom Molecular Dynamics Simulations. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 2076-2083.	2.3	41
13	The Role of Protein-Protein and Protein-Membrane Interactions on P450 Function. <i>Drug Metabolism and Disposition</i> , 2016, 44, 576-590.	1.7	39
14	Carbon Dots Detect Water-to-Ice Phase Transition and Act as Alcohol Sensors via Fluorescence Turn-Off/On Mechanism. <i>ACS Nano</i> , 2021, 15, 6582-6593.	7.3	34
15	Rationalization of Reduced Penetration of Drugs through Ceramide Gel Phase Membrane. <i>Langmuir</i> , 2014, 30, 13942-13948.	1.6	28
16	Role of Ionizable Lipids in SARS-CoV-2 Vaccines As Revealed by Molecular Dynamics Simulations: From Membrane Structure to Interaction with mRNA Fragments. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11199-11205.	2.1	26
17	Effect of Cholesterol on the Structure of Membrane-Attached Cytochrome P450 3A4. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 628-635.	2.5	25
18	Conformational Behavior and Optical Properties of a Fluorophore Dimer as a Model of Luminescent Centers in Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14327-14337.	1.5	25

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19	Effect of Lipid Charge on Membrane Immersion of Cytochrome P450 3A4. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11205-11213.	1.2	24
20	Molecular Fluorophores Self-Organize into C-Dot Seeds and Incorporate into C-Dot Structures. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8252-8258.	2.1	24
21	Lipid Bilayer Membrane Affinity Rationalizes Inhibition of Lipid Peroxidation by a Natural Lignan Antioxidant. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5043-5049.	1.2	22
22	Dermal Delivery of Selected Polyphenols from <i>Silybum marianum</i> . Theoretical and Experimental Study. <i>Molecules</i> , 2019, 24, 61.	1.7	16
23	Atomistic Picture of Fluorescent Probes with Hydrocarbon Tails in Lipid Bilayer Membranes: An Investigation of Selective Affinities and Fluorescent Anisotropies in Different Environmental Phases. <i>Langmuir</i> , 2018, 34, 9072-9084.	1.6	15
24	Oriental distribution of DPH in lipid membranes: a comparison of molecular dynamics calculations and experimental time-resolved anisotropy experiments. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7594-7604.	1.3	13
25	Molecular insights into the role of a distal F240A mutation that alters CYP1A1 activity towards persistent organic pollutants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2852-2860.	1.1	12
26	Cyanine dyes with tail length asymmetry enhance photoselection: A multiscale study on DiD probes in a liquid disordered membrane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117329.	2.0	8
27	Influence of Membrane Phase on the Optical Properties of DPH. <i>Molecules</i> , 2020, 25, 4264.	1.7	4