

# Beata Korchowiec

## List of Publications by Year in descending order

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30  
papers

441  
citations

687363

13  
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g-index

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docs citations

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times ranked

546  
citing authors

#	ARTICLE	IF	CITATIONS
1	The lung surfactant activity probed with molecular dynamics simulations. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102659.	14.7	6
2	The Molecular Bases of the Interaction between a Saponin from the Roots of <i>Gypsophila paniculata</i> L. and Model Lipid Membranes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3397.	4.1	3
3	The hydrophobic core effect in model bacterial membranes upon interaction with tetra-p-guanidinoethylcalix[4]arene. <i>Journal of Molecular Liquids</i> , 2021, 343, 117636.	4.9	3
4	Lung surfactant monolayer – A good natural barrier against dibenzo-p-dioxins. <i>Chemosphere</i> , 2020, 240, 124850.	8.2	7
5	Charge distributions for molecular dynamics simulations from self-consistent polarization method. <i>Journal of Computational Chemistry</i> , 2020, 41, 2591-2597.	3.3	3
6	Properties of Lipid Models of Lung Surfactant Containing Cholesterol and Oxidized Lipids: A Mixed Experimental and Computational Study. <i>Langmuir</i> , 2020, 36, 1023-1033.	3.5	12
7	The interaction of an amphiphile crown ether with divalent metal ions. An electrochemical, Langmuir film, and molecular modeling study. <i>Thin Solid Films</i> , 2019, 683, 49-56.	1.8	4
8	The role of DPPG in lung surfactant exposed to benzo[ <i>a</i> ]pyrene. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 438-445.	3.5	7
9	The impact of lipid oxidation on the functioning of a lung surfactant model. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24968-24978.	2.8	15
10	Modeling Lung Surfactant Interactions with Benzo[ <i>a</i> ]pyrene. <i>Chemistry - A European Journal</i> , 2017, 23, 5307-5316.	3.3	19
11	Nanoscale investigation of the interaction of colistin with model phospholipid membranes by Langmuir technique, and combined infrared and force spectroscopies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2592-2602.	2.6	17
12	Structure – membrane activity relationship in a family of peptide-based gemini amphiphiles: An insight from experimental and theoretical model systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 54-62.	5.0	9
13	Two antibacterial nalidixate calixarene derivatives in cholesterol monolayers: Molecular dynamics and physicochemical effects. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 777-784.	5.0	10
14	The selective interactions of cationic tetra-p-guanidinoethylcalix[4]arene with lipid membranes: theoretical and experimental model studies. <i>Soft Matter</i> , 2016, 12, 181-190.	2.7	17
15	Impact of two different saponins on the organization of model lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1963-1973.	2.6	43
16	Molecular Organization of Nalidixate Conjugated Calixarenes in Bacterial Model Membranes Probed by Molecular Dynamics Simulation and Langmuir Monolayer Studies. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2990-3000.	2.6	14
17	A Study of the Interaction between a Family of Gemini Amphiphilic Pseudopeptides and Model Monomolecular Film Membranes Formed with a Cardiolipin. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6668-6679.	2.6	12
18	A Langmuir monolayer study of the action of phospholipase A2 on model phospholipid and mixed phospholipid-GM1 ganglioside membranes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 389-395.	5.0	9

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19	Vibrational, calorimetric, and molecular conformational study on calcein interaction with model lipid membrane. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	12
20	Interaction of a $\beta$ -lactam calixarene derivative with a model eukaryotic membrane affects the activity of PLA2. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 217-222.	5.0	19
21	Effects of gemini amphiphilic pseudopeptides on model lipid membranes: A Langmuir monolayer study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 659-666.	5.0	22
22	Enzymatic Probing of Model Lipid Membranes: Phospholipase A2 Activity toward Monolayers Modified by Oxacam NSAIDs. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9290-9298.	2.6	17
23	Glycolipid-cholesterol monolayers: Towards a better understanding of the interaction between the membrane components. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2466-2476.	2.6	21
24	The Mechanism of Metal Cation Binding in Two Nalidixate Calixarene Conjugates. A Langmuir Film and Molecular Modeling Study. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10427-10435.	2.6	20
25	Interaction of amphiphilic chlorin-based photosensitizers with 1,2-dipalmitoyl-sn-glycero-3-phosphocholine monolayers. <i>Chemistry and Physics of Lipids</i> , 2009, 158, 102-109.	3.2	18
26	DFT Study on the Selectivity of Complexation of Metal Cations with a Dioxadithia Crown Ether Ligand. <i>Journal of Physical Chemistry A</i> , 2008, 112, 13633-13640.	2.5	14
27	Complexation of Metal Ions in Langmuir Films Formed with Two Amphiphilic Dioxadithia Crown Ethers. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10953-10963.	2.6	8
28	Interfacial Approach to Polyaromatic Hydrocarbon Toxicity: Phosphoglyceride and Cholesterol Monolayer Response to Phenanthrene, Anthracene, Pyrene, Chrysene, and Benzo[a]pyrene. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13518-13531.	2.6	24
29	A Langmuir film approach to elucidating interactions in lipid membranes: 1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine/cholesterol/metal cation systems. <i>Chemistry and Physics of Lipids</i> , 2006, 144, 127-136.	3.2	50
30	Thermodynamic and spectroscopic properties of mixtures of $\beta$ -lactoglobulin and dioleoylphosphatidylcholine. <i>Colloid and Polymer Science</i> , 1997, 275, 860-868.	2.1	6