

Katarzyna Dopierala

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36

papers

394

citations

11

h-index

17

g-index

36

ext. papers

437

ext. citations

5.7

avg, IF

3.98

L-index

#	Paper	IF	Citations
36	Removal of succinic acid from fermentation broth by multistage process (membrane separation and reactive extraction). <i>Separation and Purification Technology</i> , 2018 , 192, 360-368	8.3	48
35	Dynamic interfacial tensions of dietary oils. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 382, 261-265	5.1	37
34	The effect of molecular structure on the surface properties of selected quaternary ammonium salts. <i>Journal of Colloid and Interface Science</i> , 2008 , 321, 220-6	9.3	22
33	Characterization of Langmuir monolayer, Langmuir-Blodgett and Langmuir-Schaefer films formed by POSS compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 464, 110-120	5.1	21
32	Synthesis of an Open-Cage Structure POSS Containing Various Functional Groups and Their Effect on the Formation and Properties of Langmuir Monolayers. <i>Chemistry - A European Journal</i> , 2016 , 22, 13275-86	4.8	20
31	Surface properties and surface free energy of cellulosic etc mucoadhesive polymers. <i>Carbohydrate Polymers</i> , 2017 , 171, 152-162	10.3	19
30	Interfacial Properties of Fully Condensed Functional Silsesquioxane: A Langmuir Monolayer Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24548-24555	3.8	19
29	An attempt to application of continuous recycle membrane reactor for hydrolysis of oxidised derivatives of potato starch. <i>Journal of Membrane Science</i> , 2006 , 282, 14-20	9.6	19
28	Synthesis and properties of polysiloxanes containing mixed functional groups. <i>Reactive and Functional Polymers</i> , 2014 , 83, 144-154	4.6	16
27	Alkyl- and fluoroalkyltrialkoxysilanes for wettability modification. <i>Applied Surface Science</i> , 2013 , 283, 453-459	6.7	12
26	Interfacial behaviour of cubic silsesquioxane and silica nanoparticles in Langmuir and Langmuir-Blodgett films. <i>RSC Advances</i> , 2016 , 6, 94934-94941	3.7	12
25	The wetting properties of Langmuir-Blodgett and Langmuir-Schaefer films formed by DPPC and POSS compounds. <i>Chemistry and Physics of Lipids</i> , 2019 , 221, 158-166	3.7	11
24	Effect of chemical structure of fluorinated polyhedral oligomeric silsesquioxanes on formation of Langmuir monolayers and Langmuir-Blodgett films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 556, 140-147	5.1	10
23	Surface properties of the derivatives of lysosomotropic substances against other quaternary ammonium salts. <i>Advances in Colloid and Interface Science</i> , 2009 , 151, 49-56	14.3	10
22	Interaction of polyhedral oligomeric silsesquioxanes and dipalmitoylphosphatidylcholine at the air/water interface: Thermodynamic and rheological study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 1838-1850	3.8	9
21	Dynamics of adsorption in micellar and non micellar solutions of derivatives of lysosomotropic substances. <i>Advances in Colloid and Interface Science</i> , 2010 , 156, 62-9	14.3	9
20	Morphology, compressibility and viscoelasticity of the mixed lipid monolayers in the presence of β -carotene. <i>Chemistry and Physics of Lipids</i> , 2018 , 213, 88-95	3.7	8

19	Surface and micellar properties of the mixtures containing esterquats. <i>Fluid Phase Equilibria</i> , 2012 , 325, 35-40	2.5	8
18	Lipid-Protein Interactions in Langmuir Monolayers under Dynamically Varied Conditions. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 302-311	3.4	8
17	Hydrophobic ultrathin films formed by fluorofunctional cage silsesquioxanes. <i>Applied Surface Science</i> , 2018 , 443, 280-290	6.7	7
16	Interaction of polyhedral oligomeric silsesquioxane containing epoxy cyclohexyl groups with cholesterol at the air/water interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 135-141	6	7
15	Thermodynamic, viscoelastic and electrical properties of lipid membranes in the presence of astaxanthin. <i>Biophysical Chemistry</i> , 2020 , 258, 106318	3.5	7
14	Physicochemical Characterization of Oleanolic Acid-Human Serum Albumin Complexes for Pharmaceutical and Biosensing Applications. <i>Langmuir</i> , 2020 , 36, 3611-3623	4	6
13	Estimation of Diffusion Coefficients Based on Adsorption Measurements in Model Extraction Systems. <i>Chemical Engineering and Technology</i> , 2005 , 28, 985-990	2	6
12	Binding of β -lactalbumin to oleic acid monolayer and its relevance to formation of HAMLET-like complexes. <i>International Dairy Journal</i> , 2019 , 89, 96-104	3.5	6
11	Surface and swelling properties of mucoadhesive blends and their ability to release fluconazole in a mucin environment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 586-593	6	6
10	Temperature, pH, and Molecular Packing Effects on the Penetration of Oleic Acid Monolayer by β -lactalbumin. <i>Langmuir</i> , 2019 , 35, 3183-3193	4	5
9	Preparation and characterisation of monolayers and Langmuir-Blodgett films of liquid crystal mixed with cubic silsesquioxanes. <i>Liquid Crystals</i> , 2018 , 45, 351-361	2.3	5
8	Thin film of CdTeSe/ZnS quantum dots on water subphase: Thermodynamics and morphology studies. <i>Dyes and Pigments</i> , 2018 , 155, 36-41	4.6	4
7	Interfacial complex of β -lactalbumin with oleic acid: effect of protein concentration and PM-IRRAS study. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114089	6	4
6	Interfacial Behaviour of Egg Yolk Extracts. <i>Food Biophysics</i> , 2019 , 14, 205-213	3.2	3
5	Langmuir-Blodgett films of membrane lipid in the presence of hybrid silsesquioxane, a promising component of biomaterials. <i>Materials Science and Engineering C</i> , 2019 , 105, 110090	8.3	3
4	Study on pH-Dependent interactions of linoleic acid with β -lactalbumin. <i>Food Hydrocolloids</i> , 2021 , 111, 106217	10.6	3
3	Study of mucin interaction with model phospholipid membrane at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 578, 123587	5.1	2
2	Interactions between silica particles and model phospholipid monolayers. <i>Journal of Molecular Liquids</i> , 2021 , 116999	6	2

- 1 Immobilization of lipase in Langmuir-Blodgett film of cubic silsesquioxane on the surface of zirconium dioxide. *Applied Surface Science*, **2021**, 573, 151184

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