MaÅ‚gorzata Jurak

List of Publications by Year
in descending order

51 papers	1,001 citations	361045 20 h-index	454577 30 g-index
52 all docs	52 docs citations	52 times ranked	993 citing authors

#	Article	IF	Citations
1	Thermodynamic Aspects of Cholesterol Effect on Properties of Phospholipid Monolayers: Langmuir and Langmuirâ€“Blodgett Monolayer Study. Journal of Physical Chemistry B, 2013, 117, 3496-3502.	1.2	91
2	What affects the biocompatibility of polymers?. Advances in Colloid and Interface Science, 2021, 294, 102451.	7.0	89
3	Physicochemical Characteristics of Chitosanâ€“TiO₂ Biomaterial. 1. Stability and Swelling Properties. Industrial & Engineering Chemistry Research, 2018, 57, 1859-1870.	1.8	48
4	Effect of low-temperature plasma on chitosan-coated PEEK polymer characteristics. European Polymer Journal, 2016, 78, 1-13.	2.6	45
5	Comparison of contact angle hysteresis of different probe liquids on the same solid surface. Colloid and Polymer Science, 2013, 291, 391-399.	1.0	38
6	Low-temperature air plasma modification of chitosan-coated PEEK biomaterials. Polymer Testing, 2016, 50, 325-334.	2.3	37
7	Influence of nitrogen plasma treatment on the wettability of polyetheretherketone and deposited chitosan layers. Advances in Polymer Technology, 2018, 37, 1557-1569.	0.8	36
8	Wettability and Topography of Phospholipid DPPC Multilayers Deposited by Spin-Coating on Glass, Silicon, and Mica Slides. Langmuir, 2007, 23, 10156-10163.	1.6	35
9	Properties of the Langmuir and Langmuirâ€“Blodgett monolayers of cholesterol-cyclosporine A on water and polymer support. Adsorption, 2019, 25, 923-936.	1.4	33
10	Chitosan/phospholipid coated polyethylene terephthalate (PET) polymer surfaces activated by air plasma. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 155-164.	2.3	32
11	Analysis of Molecular Interactions between Components in Phospholipid-Immunosuppressant-Antioxidant Mixed Langmuir Films. Langmuir, 2021, 37, 5601-5616.	1.6	32
12	Characterization of the binary mixed monolayers of Î±-tocopherol with phospholipids at the air-water interface. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2410-2418.	1.4	30
13	Interfacial properties of PET and PET/starch polymers developed by air plasma processing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 323-331.	2.3	28
14	Langmuir monolayer study of phospholipid DPPC on the titanium dioxideâ€“chitosanâ€“hyaluronic acid subphases. Adsorption, 2019, 25, 469-476.	1.4	28
15	Surface free energy and topography of mixed lipid layers on mica. Colloids and Surfaces B: Biointerfaces, 2010, 75, 165-174.	2.5	26
16	Interactions of lauryl gallate with phospholipid components of biological membranes. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1821-1832.	1.4	26
17	Topography and Surface Free Energy of DPPC Layers Deposited on a Glass, Mica, or PMMA Support. Langmuir, 2006, 22, 7226-7234.	1.6	24
18	Properties of Langmuir and solid supported lipid films with sphingomyelin. Advances in Colloid and Interface Science, 2015, 222, 385-397.	7.0	22

#	Article	IF	Citations
19	Properties of PEEK-supported films of biological substances prepared by the Langmuir-Blodgett technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 510, 263-274.	2.3	22
20	Properties of Artificial Phospholipid Membranes Containing Lauryl Gallate or Cholesterol. Journal of Membrane Biology, 2018, 251, 277-294.	1.0	22
21	Characteristics of hybrid chitosan/phospholipid-sterol, peptide coatings on plasma activated PEEK polymer. Materials Science and Engineering C, 2021, 120, 111658.	3.8	22
22	Wetting properties of model biological membranes. Current Opinion in Colloid and Interface Science, 2014, 19, 368-380.	3.4	19
23	Wettability of plasma modified glass surface with bioglass layer in polysaccharide solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 551, 185-194.	2.3	19
24	Effect of a lipolytic enzyme on wettability and topography of phospholipid layers deposited on solid support. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 321, 131-136.	2.3	17
25	Influence of (phospho)lipases on properties of mica supported phospholipid layers. Applied Surface Science, 2010, 256, 6304-6312.	3.1	16
26	Interaction energy of model lipid membranes with water and diiodomethane. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 383, 56-60.	2.3	15
27	Contact angle hysteresis and phase separation in dry phospholipid films with cholesterol deposited on mica surface. Applied Surface Science, 2015, 328, 596-605.	3.1	15
28	Zeta potential and surface free energy changes of solid-supported phospholipid (DPPC) layers caused by the enzyme phospholipase A2 (PLA2). Adsorption, 2009, 15, 211-219.	1.4	14
29	Wetting Properties of Polyetheretherketone Plasma Activated and Biocoated Surfaces. Colloids and Interfaces, 2019, 3, 40.	0.9	14
30	Wettability of DPPC Monolayers Deposited from the Titanium Dioxideâ€"Chitosanâ€"Hyaluronic Acid Subphases on Glass. Colloids and Interfaces, 2019, 3, 15.	0.9	12
31	Characteristics of Polypeptide/Phospholipid Monolayers on Water and the Plasmaâ€Activated Polyetheretherketone Support. Journal of Surfactants and Detergents, 2019, 22, 1213-1228.	1.0	11
32	Cyclosporine CsAâ€"The Physicochemical Characterization of Liposomal and Colloidal Systems. Colloids and Interfaces, 2020, 4, 46.	0.9	11
33	Physicochemical characteristics of chitosan-TiO2 biomaterial. 2. Wettability and biocompatibility. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127546.	2.3	11
34	Changes in stability of the DPPC monolayer during its contact with the liquid phase. Chemistry and Physics of Lipids, 2012, 165, 302-310.	1.5	8
35	The Influence of Polysaccharides/TiO2 on the Model Membranes of Dipalmitoylphosphatidylglycerol and Bacterial Lipids. Molecules, 2022, 27, 343.	1.7	7
36	Physicochemical properties of phospholipid model membranes hydrolyzed by phospholipase A2 (PLA2) in the presence of cholesterol at different temperatures. Applied Surface Science, 2013, 266, 426-432.	3.1	6

#	Article	IF	Citations
37	Surface free energy of organized phospholipid/lauryl gallate monolayers on mica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 510, 213-220.	2.3	6
38	The human LL-37 peptide exerts antimicrobial activity against Legionella micdadei interacting with membrane phospholipids. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159138.	1.2	6
39	Temperature-dependent interactions in the chitosan/cyclosporine A system at liquidâ€“air interface. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4513-4521.	2.0	5
40	Effect of Lauryl Gallate on Wetting Properties of Organized Thin Phospholipid Films on Mica. Journal of Physical Chemistry B, 2016, 120, 6657-6666.	1.2	4
41	Structure and wettability of heterogeneous monomolecular films of phospholipids with cholesterol or lauryl gallate. Applied Surface Science, 2019, 493, 1021-1031.	3.1	4
42	Effect of 1,2-dipalmitoyl-sn-glycero-3-phosphocholine (DPPC) and phospholipase A2 (PLA2) on surface properties of silica materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 360-368.	2.3	3
43	The effect of chitosan/TiO2/hyaluronic acid subphase on the behaviour of 1,2-dioleoyl-sn-glycero-3-phosphocholine membrane. , 2022, , 212934.		3
44	Surface Gibbs energy interaction of phospholipid/cholesterol monolayers deposited on mica with probe liquids. Chemistry and Physics of Lipids, 2014, 183, 60-67.	1.5	2
45	WETTABILITY OF CHITOSAN-MODIFIED AND LIPID/POLYPEPTIDE-COATED PEEK SURFACES. Progress on Chemistry and Application of Chitin and Its Derivatives, 2019, XXIV, 172-182.	0.1	2
46	SURFACE CHARACTERISTICS OF DPPC MONOLAYERS DEPOSITED FROM TITANIUM DIOXIDEâ€“CHITOSANâ€“HYALURONIC ACID SUBPHASES ON A GLASS SUPPORT. Progress on Chemistry and Application of Chitin and Its Derivatives, 2019, XXIV, 106-118.	0.1	2
47	WETTABILITY OF HYBRID CHITOSAN/PHOSPHOLIPID COATINGS. Progress on Chemistry and Application of Chitin and Its Derivatives, 2017, XXII, 66-76.	0.1	1
48	WETTING PROPERTIES OF CHITOSAN-MODIFIED AND PLASMA-TREATED PEEK SURFACES. Progress on Chemistry and Application of Chitin and Its Derivatives, 2018, XXIII, 159-169.	0.1	1
49	Wettability of Binary Solid-Supported Films of Zwitterionic/Anionic Phospholipids. Adsorption Science and Technology, 2015, 33, 625-638.	1.5	0
50	Wettability of Solid-Supported Lipid Layers. , 2014, , 121-148.		0
51	CHARACTERIZATION OF MIXED LANGMUIR MONOLAYERS OF CYCLOSPORINE A WITH THE PHOSPHOLIPID DPPC AT THE CHITOSAN SUBPHASE. Progress on Chemistry and Application of Chitin and Its Derivatives, 2020, XXV, 227-235.	0.1	0