Agnieszka Ewa WiÄcek

List of Publications by Year
in descending order

62 papers	1,164 citations	331259 21 h-index	433756 31 g-index
63 all docs	63 docs citations	63 times ranked	1263 citing authors

#	Article	IF	Citations
1	The Influence of Polysaccharides/TiO2 on the Model Membranes of Dipalmitoylphosphatidylglycerol and Bacterial Lipids. Molecules, 2022, 27, 343.	1.7	7
2	Wettability and Stability of Naproxen, Ibuprofen and/or Cyclosporine A/Silica Delivery Systems. Colloids and Interfaces, 2022, 6, 11.	0.9	4
3	The effect of chitosan/TiO2/hyaluronic acid subphase on the behaviour of 1,2-dioleoyl-sn-glycero-3-phosphocholine membrane. , 2022, , 212934.		3
4	Characteristics of hybrid chitosan/phospholipid-sterol, peptide coatings on plasma activated PEEK polymer. Materials Science and Engineering C, 2021, 120, 111658.	3.8	22
5	What affects the biocompatibility of polymers?. Advances in Colloid and Interface Science, 2021, 294, 102451.	7.0	89
6	Physicochemical characteristics of chitosan-TiO2 biomaterial. 2. Wettability and biocompatibility. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127546.	2.3	11
7	EFFECT OF CHITOSAN AND LIPID LAYERS DEPOSITED ONTO POLYETHYLENE TEREPHTHALATE (PET) ON ITS WETTING PROPERTIES. Progress on Chemistry and Application of Chitin and Its Derivatives, 2021, 26, 210-221.	0.1	0
8	Release kinetics and antimicrobial properties of the potassium sorbate-loaded edible films made from pullulan, gelatin and their blends. Food Hydrocolloids, 2020, 101, 105539.	5.6	47
9	Cyclosporine CsAâ€"The Physicochemical Characterization of Liposomal and Colloidal Systems. Colloids and Interfaces, 2020, 4, 46.	0.9	11
10	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
11	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
12	Structure and wettability of heterogeneous monomolecular films of phospholipids with cholesterol or lauryl gallate. Applied Surface Science, 2019, 493, 1021-1031.	3.1	4
13	The impact of lignin addition on the properties of hybrid microspheres based on trimethoxyvinylsilane and divinylbenzene. European Polymer Journal, 2019, 120, 109200.	2.6	8
14	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
15	Edible films made from blends of gelatin and polysaccharide-based emulsifiers - A comparative study. Food Hydrocolloids, 2019, 96, 555-567.	5.6	55
16	Wetting Properties of Polyetheretherketone Plasma Activated and Biocoated Surfaces. Colloids and Interfaces, 2019, 3, 40.	0.9	14
17	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
18	Langmuir monolayer study of phospholipid DPPC on the titanium dioxideâ€"chitosanâ€"hyaluronic acid subphases. Adsorption, 2019, 25, 469-476.	1.4	28

#	Article	IF	Citations
19	Wettability of DPPC Monolayers Deposited from the Titanium Dioxideâ€"Chitosanâ€"Hyaluronic Acid Subphases on Glass. Colloids and Interfaces, 2019, 3, 15.	0.9	12
20	Sustainable carbon microtube derived from cotton waste for environmental applications. Chemical Engineering Journal, 2019, 361, 1605-1616.	6.6	32
21	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
22	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
23	Physicochemical Characteristics of Chitosanâ€"TiO₂ Biomaterial. 1. Stability and Swelling Properties. Industrial & Engineering Chemistry Research, 2018, 57, 1859-1870.	1.8	48
24	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
25	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
26	Effect of UV radiation and chitosan coating on the adsorption-photocatalytic activity of TiO2 particles. Materials Science and Engineering C, 2018, 93, 582-594.	3.8	21
27	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
28	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
29	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
30	BEHAVIOUR OF TiO2/CHITOSAN DISPERSION AS A FUNCTION OF SOLUTION pH. Progress on Chemistry and Application of Chitin and Its Derivatives, 2017, XXII, 27-41.	0.1	1
31	WETTABILITY OF HYBRID CHITOSAN/PHOSPHOLIPID COATINGS. Progress on Chemistry and Application of Chitin and Its Derivatives, 2017, XXII, 66-76.	0.1	1
32	Low-temperature air plasma modification of chitosan-coated PEEK biomaterials. Polymer Testing, 2016, 50, 325-334.	2.3	37
33	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
34	Effect of low-temperature plasma on chitosan-coated PEEK polymer characteristics. European Polymer Journal, 2016, 78, 1-13.	2.6	45
35	Advanced oxidation (H2O2 and/or UV) of functionalized carbon nanotubes (CNT-OH and CNT-COOH) and its influence on the stabilization of CNTs in water and tannic acid solution. Environmental Pollution, 2015, 200, 161-167.	3.7	29
36	Interfacial Properties of Phosphatidylcholine-based Dispersed Systems. Industrial & Engineering Chemistry Research, 2015, 54, 6489-6496.	1.8	12

#	Article	IF	Citations
37	Effect of surface modification on starch biopolymer wettability. Food Hydrocolloids, 2015, 48, 228-237.	5.6	45
38	Effect of surface modification on starch/phospholipid wettability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 351-359.	2.3	31
39	Water treatment by H2O2 and/or UV affects carbon nanotube (CNT) properties and fate in water and tannic acid solution. Environmental Science and Pollution Research, 2015, 22, 20198-20206.	2.7	11
40	The electrokinetic and rheological behavior of phosphatidylcholine-treated TiO2 suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 440, 110-115.	2.3	12
41	Influence of dipalmitoylphosphatidylcholine (or dioleoylphosphatidylcholine) and phospholipase A2 enzyme on the properties of emulsions. Journal of Colloid and Interface Science, 2012, 373, 75-83.	5.0	7
42	Investigation of DPPC effect on SiO2 particles and in the presence of phospho(lipases) by zeta potential and effective diameter measurements. Powder Technology, 2011, 213, 141-147.	2.1	10
43	The wetting and interfacial properties of alumina surface treated with dipalmitoylphosphatidylcholine and lipase enzyme. Powder Technology, 2011, 212, 332-339.	2.1	8
44	Comparison of n-tetradecane/electrolyte emulsions properties stabilized by DPPC and DPPC vesicles in the electrolyte solution. Colloids and Surfaces B: Biointerfaces, 2011, 83, 108-115.	2.5	9
45	Changes in wetting properties of alumina surface treated with DPPC in the presence of phospholipase A2 enzyme. Colloids and Surfaces B: Biointerfaces, 2011, 87, 54-60.	2.5	11
46	Investigations of DPPC effect on Al2O3 particles in the presence of (phospho)lipases by the zeta potential and effective diameter measurements. Applied Surface Science, 2011, 257, 4495-4504.	3.1	13
47	Changes in wetting properties of silica surface treated with DPPC in the presence of phospholipase A2 enzyme. Applied Surface Science, 2010, 256, 7672-7677.	3.1	14
48	Electrokinetic properties of n-tetradecane/ethanol emulsions with DPPC and enzyme lipase or phospholipase A2. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 332, 150-156.	2.3	5
49	Effect of Temperature on <i>n</i>-Tetradecane Emulsion in the Presence of Phospholipid DPPC and Enzyme Lipase or Phospholipase A₂. Langmuir, 2008, 24, 7413-7420.	1.6	14
50	Electrokinetic properties of n-tetradecane/lecithin solution emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 293, 20-27.	2.3	10
51	Effect of ionic strength on electrokinetic properties of oil/water emulsions with dipalmitoylphosphatidylcholine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 141-149.	2.3	21
52	Comparison of the Properties of Vegetable Oil/Water and n-Tetradecane/Water Emulsions Stabilized by Î±-Lactalbumin or Î²-Casein. Adsorption Science and Technology, 2005, 23, 777-789.	1.5	4
53	Investigation of the Electrokinetic Properties of Paraffin Suspension. 2. In Cationic and Anionic Surfactant Solutions. Langmuir, 2005, 21, 7662-7671.	1.6	7
54	Investigation of the Electrokinetic Properties of Paraffin Suspension. 1. In Inorganic Electrolyte Solutions. Langmuir, 2005, 21, 4347-4355.	1.6	20

#	Article	IF	Citations
55	Zeta potential and droplet size of n-tetradecane/ethanol (protein) emulsions. Colloids and Surfaces B: Biointerfaces, 2002, 25, 55-67.	2.5	23
56	Studies of oil-in-water emulsion stability in the presence of new dicephalic saccharide-derived surfactants. Colloids and Surfaces B: Biointerfaces, 2002, 25, 243-256.	2.5	20
57	Investigation of dialkyldimethylammonium bromides as stabilizers and/or emulsifiers for O/W emulsion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 193, 51-60.	2.3	6
58	Stability of oil/water (ethanol, lysozyme or lysine) emulsions. Colloids and Surfaces B: Biointerfaces, 2000, 17, 175-190.	2.5	22
59	Zeta potential, effective diameter and multimodal size distribution in oil/water emulsion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 159, 253-261.	2.3	78
60	Application of an extended DLVO theory for the calculation of the interactions between emulsified oil droplets in alcohol solutions. Colloids and Surfaces B: Biointerfaces, 1999, 14, 19-26.	2.5	16
61	Zeta potential and effective diameter of n-tetradecane emulsions in n-propanol solutions and in the presence of lysozyme. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 127, 163-173.	2.3	8
62	Model studies on then-alkane emulsions stability. Progress in Colloid and Polymer Science, 1997, 105, 260-267.	0.5	4