

Lucyna Holysz

List of Publications by Year in descending order

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57
papers

2,141
citations

279778

23
h-index

233409

45
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60
all docs

60
docs citations

60
times ranked

2369
citing authors

#	ARTICLE	IF	CITATIONS
1	What Can You Learn about Apparent Surface Free Energy from the Hysteresis Approach?. Colloids and Interfaces, 2021, 5, 4.	2.1	10
2	Surface Activity of Natural Surfactants Extracted from Sapindus mukorossi and Sapindus trifoliatus Soapnuts. Colloids and Interfaces, 2021, 5, 7.	2.1	15
3	WPŁYW DZIAŁANIA PLAZMY NISKOTEMPERATUROWEJ NA ZMIANY ZWILĄŻALNOŚCI WYBRANYCH POLIMERÓW. Wiadomości Chemiczne, 2021, 75, 1269-1295.	0.0	0
4	Contact angles: history of over 200 years of open questions. Surface Innovations, 2020, 8, 3-27.	2.3	168
5	Properties of natural and synthetic hydroxyapatite and their surface free energy determined by the thin-layer wicking method. Applied Surface Science, 2018, 434, 1232-1238.	6.1	23
6	Influence of Magnetic Field on Evaporation Rate and Surface Tension of Water. Colloids and Interfaces, 2018, 2, 68.	2.1	33
7	Characterisation of exopolymer R-202 isolated from Rhodococcus rhodochrous and its flocculating properties. European Polymer Journal, 2017, 88, 21-33.	5.4	23
8	Surface properties of metal alloys used in aviation after plasma treatment. Surface and Interface Analysis, 2017, 49, 647-653.	1.8	18
9	Synthesis of hydroxyapatite for biomedical applications. Advances in Colloid and Interface Science, 2017, 249, 321-330.	14.7	474
10	Application of thin-layer wicking method for surface free energy determination. Surface Innovations, 2017, 5, 9-20.	2.3	6
11	Determination of surface free energy components of organic liquids by the thin layer wicking method. Annales Universitatis Mariae Curie-Skłodowska Sectio AA "Chemia", 2017, 71, 11.	0.2	1
12	Time-dependent changes of surface properties of polyether ether ketone caused by air plasma treatment. Polymer International, 2016, 65, 827-834.	3.1	33
13	Comparison of contact angle measurement methods of liquids on metal alloys. Annales Universitatis Mariae Curie-Skłodowska Sectio AA "Chemia", 2016, 71, 89.	0.2	3
14	Influence of DPPC layers and PLA ₂ on surface properties of silica particles. Surface Innovations, 2015, 3, 3-9.	2.3	4
15	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.	4.7	3
16	Properties of Langmuir and solid supported lipid films with sphingomyelin. Advances in Colloid and Interface Science, 2015, 222, 385-397.	14.7	22
17	The electrokinetic and rheological behavior of phosphatidylcholine-treated TiO ₂ suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 440, 110-115.	4.7	12
18	Wetting properties of model biological membranes. Current Opinion in Colloid and Interface Science, 2014, 19, 368-380.	7.4	19

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19	Editorial: layers at interfaces. Surface Innovations, 2014, 2, 137-139.	2.3	0
20	Wettability of Solid-Supported Lipid Layers. , 2014, , 121-148.		0
21	Superhydrophobic polystyrene layers filled with silica on glass. Surface Innovations, 2013, 1, 52-59.	2.3	10
22	Surface modification of glass plates and silica particles by phospholipid adsorption. Journal of Colloid and Interface Science, 2011, 353, 281-289.	9.4	16
23	Changes in wetting and energetic properties of glass caused by deposition of different lipid layers. Applied Surface Science, 2010, 256, 5463-5469.	6.1	13
24	Surface free energy of sulfurâ€”Revisited. Journal of Colloid and Interface Science, 2008, 319, 514-519.	9.4	11
25	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.	4.7	17
26	Effect of Temperature on <i>n</i> -Tetradecane Emulsion in the Presence of Phospholipid DPPC and Enzyme Lipase or Phospholipase A ₂ . Langmuir, 2008, 24, 7413-7420.	3.5	14
27	Influence of ionic surfactants on the properties of freshly precipitated calcium carbonate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 297, 14-18.	4.7	28
28	Effects of a static magnetic field on water and electrolyte solutions. Journal of Colloid and Interface Science, 2007, 316, 996-1002.	9.4	191
29	Investigation of super-hydrophobic effect of PMMA layers with different fillers deposited on glass support. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 291, 181-190.	4.7	42
30	Investigation of the Electrokinetic Properties of Paraffin Suspension. 2. In Cationic and Anionic Surfactant Solutions. Langmuir, 2005, 21, 7662-7671.	3.5	7
31	Influence of Sodium Dodecyl Sulfate and Static Magnetic Field on the Properties of Freshly Precipitated Calcium Carbonate. Langmuir, 2005, 21, 8114-8122.	3.5	42
32	Investigation of the Electrokinetic Properties of Paraffin Suspension. 1. In Inorganic Electrolyte Solutions. Langmuir, 2005, 21, 4347-4355.	3.5	20
33	Precipitation of calcium carbonate from magnetically treated sodium carbonate solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 225, 63-73.	4.7	37
34	Adhesion of in situ precipitated calcium carbonate in the presence and absence of magnetic field in quiescent conditions on different solid surfaces. Water Research, 2003, 37, 4685-4692.	11.3	48
35	Influence of impurity ions and magnetic field on the properties of freshly precipitated calcium carbonate. Water Research, 2003, 37, 3351-3360.	11.3	39
36	Comparison of the Lifshitzâ€”van der Waals/acidâ€”base and contact angle hysteresis approaches for determination of solid surface free energy. Journal of Adhesion Science and Technology, 2002, 16, 1547-1568.	2.6	60

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37	Some theoretical and experimental limitations in the determination of surface free energy of siliceous solids. Powder Technology, 1999, 102, 120-126.	4.2	26
38	Ice/Water Interface: Zeta Potential, Point of Zero Charge, and Hydrophobicity. Journal of Colloid and Interface Science, 1999, 220, 229-234.	9.4	64
39	Effect of an external radiofrequency electric field on the surface free energy components of calcium carbonate in the presence of cationic and anionic surfactants. Journal of Adhesion Science and Technology, 1999, 13, 1103-1117.	2.6	8
40	Title is missing!. Journal of Materials Science, 1998, 33, 445-452.	3.7	19
41	The effect of thermal treatment of silica gel on its surface free energy components. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 134, 321-329.	4.7	24
42	On the use of Washburn's equation for contact angle determination. Journal of Adhesion Science and Technology, 1997, 11, 1289-1301.	2.6	67
43	Surface free energy and floatability of low-rank coal. Fuel, 1996, 75, 737-742.	6.4	17
44	Effect of a radiofrequency electric field on the zeta potential of some oxides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 101, 99-101.	4.7	14
45	Changes in zeta potential of TiO ₂ and CaCO ₃ suspensions treated with a radiofrequency electric field as measured with a ZetaPlus instrument. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 105, 211-220.	4.7	18
46	Surface Free Energy Components of Calcium Carbonate and Their Changes Due to Radiofrequency Electric Field Treatment. Journal of Colloid and Interface Science, 1994, 164, 245-251.	9.4	30
47	Changes in zeta potential and surface free energy of calcium carbonate due to exposure to radiofrequency electric field. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 92, 79-85.	4.7	53
48	Parameters determining the deposition of calcium carbonate into a glass capillary. Journal of Adhesion Science and Technology, 1994, 8, 181-193.	2.6	6
49	Surface free energy components and flotability of barite precovered with sodium dodecyl sulfate. Langmuir, 1992, 8, 303-308.	3.5	24
50	Surface free energy components of .alpha.-alumina from thin-layer wicking. Langmuir, 1992, 8, 717-721.	3.5	62
51	Use of the Washburn equation for surface free energy determination. Langmuir, 1992, 8, 710-716.	3.5	162
52	Influence of Dodecylamine Chloride on the Surface Free Energy of Kaolinite. Clays and Clay Minerals, 1990, 38, 53-56.	1.3	8
53	Adsorption-desorption equilibria, surface free energy and flotation activity changes in the quartz/dodecylamine chloride-water system. Colloids and Surfaces, 1989, 41, 61-68.	0.9	2
54	Correlation of surface free energy changes and flotability of quartz. Journal of Colloid and Interface Science, 1986, 112, 15-23.	9.4	27

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55	A study of n-alkane films on solids by zeta-potential measurements. Journal of Colloid and Interface Science, 1981, 81, 8-13.	9.4	27
56	Zeta potential and surface free energy changes: Polystyrene/n-tetradecane-water system. Journal of Colloid and Interface Science, 1980, 77, 37-40.	9.4	8
57	Magnetic field effects on surfactants adsorption on the solid surface as regards of its wettability. Physicochemical Problems of Mineral Processing, 0, , 101-113.	0.4	1