

Lucyna Holysz

List of Publications by Year in descending order

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57
papers

2,141
citations

318942

23
h-index

263392

45
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60
all docs

60
docs citations

60
times ranked

2585
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.	0.9	10
2	Surface Activity of Natural Surfactants Extracted from Sapindus mukorossi and Sapindus trifoliatus Soapnuts. Colloids and Interfaces, 2021, 5, 7.	0.9	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.	1.4	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.	3.1	23
6	Influence of Magnetic Field on Evaporation Rate and Surface Tension of Water. Colloids and Interfaces, 2018, 2, 68.	0.9	33
7	Characterisation of exopolymer R-202 isolated from Rhodococcus rhodochrous and its flocculating properties. European Polymer Journal, 2017, 88, 21-33.	2.6	23
8	Surface properties of metal alloys used in aviation after plasma treatment. Surface and Interface Analysis, 2017, 49, 647-653.	0.8	18
9	Synthesis of hydroxyapatite for biomedical applications. Advances in Colloid and Interface Science, 2017, 249, 321-330.	7.0	474
10	Application of thin-layer wicking method for surface free energy determination. Surface Innovations, 2017, 5, 9-20.	1.4	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.	1.6	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.	1.4	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.	2.3	3
16	Properties of Langmuir and solid supported lipid films with sphingomyelin. Advances in Colloid and Interface Science, 2015, 222, 385-397.	7.0	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.	2.3	12
18	Wetting properties of model biological membranes. Current Opinion in Colloid and Interface Science, 2014, 19, 368-380.	3.4	19

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19	Editorial: layers at interfaces. <i>Surface Innovations</i> , 2014, 2, 137-139.	1.4	0
20	Wettability of Solid-Supported Lipid Layers. , 2014, , 121-148.		0
21	Superhydrophobic polystyrene layers filled with silica on glass. <i>Surface Innovations</i> , 2013, 1, 52-59.	1.4	10
22	Surface modification of glass plates and silica particles by phospholipid adsorption. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 281-289.	5.0	16
23	Changes in wetting and energetic properties of glass caused by deposition of different lipid layers. <i>Applied Surface Science</i> , 2010, 256, 5463-5469.	3.1	13
24	Surface free energy of sulfurâ€”Revisited. <i>Journal of Colloid and Interface Science</i> , 2008, 319, 514-519.	5.0	11
25	Effect of a lipolytic enzyme on wettability and topography of phospholipid layers deposited on solid support. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 131-136.	2.3	17
26	Effect of Temperature on <i>n</i> -Tetradecane Emulsion in the Presence of Phospholipid DPPC and Enzyme Lipase or Phospholipase A ₂ . <i>Langmuir</i> , 2008, 24, 7413-7420.	1.6	14
27	Influence of ionic surfactants on the properties of freshly precipitated calcium carbonate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 297, 14-18.	2.3	28
28	Effects of a static magnetic field on water and electrolyte solutions. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 996-1002.	5.0	191
29	Investigation of super-hydrophobic effect of PMMA layers with different fillers deposited on glass support. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 291, 181-190.	2.3	42
30	Investigation of the Electrokinetic Properties of Paraffin Suspension. 2. In Cationic and Anionic Surfactant Solutions. <i>Langmuir</i> , 2005, 21, 7662-7671.	1.6	7
31	Influence of Sodium Dodecyl Sulfate and Static Magnetic Field on the Properties of Freshly Precipitated Calcium Carbonate. <i>Langmuir</i> , 2005, 21, 8114-8122.	1.6	42
32	Investigation of the Electrokinetic Properties of Paraffin Suspension. 1. In Inorganic Electrolyte Solutions. <i>Langmuir</i> , 2005, 21, 4347-4355.	1.6	20
33	Precipitation of calcium carbonate from magnetically treated sodium carbonate solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 225, 63-73.	2.3	37
34	Adhesion of in situ precipitated calcium carbonate in the presence and absence of magnetic field in quiescent conditions on different solid surfaces. <i>Water Research</i> , 2003, 37, 4685-4692.	5.3	48
35	Influence of impurity ions and magnetic field on the properties of freshly precipitated calcium carbonate. <i>Water Research</i> , 2003, 37, 3351-3360.	5.3	39
36	Comparison of the Lifshitzâ€”van der Waals/acidâ€”base and contact angle hysteresis approaches for determination of solid surface free energy. <i>Journal of Adhesion Science and Technology</i> , 2002, 16, 1547-1568.	1.4	60

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37	Some theoretical and experimental limitations in the determination of surface free energy of siliceous solids. <i>Powder Technology</i> , 1999, 102, 120-126.	2.1	26
38	Ice/Water Interface: Zeta Potential, Point of Zero Charge, and Hydrophobicity. <i>Journal of Colloid and Interface Science</i> , 1999, 220, 229-234.	5.0	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. <i>Journal of Adhesion Science and Technology</i> , 1999, 13, 1103-1117.	1.4	8
40	Title is missing!. <i>Journal of Materials Science</i> , 1998, 33, 445-452.	1.7	19
41	The effect of thermal treatment of silica gel on its surface free energy components. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 134, 321-329.	2.3	24
42	On the use of Washburn's equation for contact angle determination. <i>Journal of Adhesion Science and Technology</i> , 1997, 11, 1289-1301.	1.4	67
43	Surface free energy and floatability of low-rank coal. <i>Fuel</i> , 1996, 75, 737-742.	3.4	17
44	Effect of a radiofrequency electric field on the zeta potential of some oxides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1995, 101, 99-101.	2.3	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1995, 105, 211-220.	2.3	18
46	Surface Free Energy Components of Calcium Carbonate and Their Changes Due to Radiofrequency Electric Field Treatment. <i>Journal of Colloid and Interface Science</i> , 1994, 164, 245-251.	5.0	30
47	Changes in zeta potential and surface free energy of calcium carbonate due to exposure to radiofrequency electric field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1994, 92, 79-85.	2.3	53
48	Parameters determining the deposition of calcium carbonate into a glass capillary. <i>Journal of Adhesion Science and Technology</i> , 1994, 8, 181-193.	1.4	6
49	Surface free energy components and flotability of barite precovered with sodium dodecyl sulfate. <i>Langmuir</i> , 1992, 8, 303-308.	1.6	24
50	Surface free energy components of .alpha.-alumina from thin-layer wicking. <i>Langmuir</i> , 1992, 8, 717-721.	1.6	62
51	Use of the Washburn equation for surface free energy determination. <i>Langmuir</i> , 1992, 8, 710-716.	1.6	162
52	Influence of Dodecylamine Chloride on the Surface Free Energy of Kaolinite. <i>Clays and Clay Minerals</i> , 1990, 38, 53-56.	0.6	8
53	Adsorption-desorption equilibria, surface free energy and flotation activity changes in the quartz/dodecylamine chloride-water system. <i>Colloids and Surfaces</i> , 1989, 41, 61-68.	0.9	2
54	Correlation of surface free energy changes and flotability of quartz. <i>Journal of Colloid and Interface Science</i> , 1986, 112, 15-23.	5.0	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.	5.0	27
56	Zeta potential and surface free energy changes: Polystyrene/n-tetradecane-water system. Journal of Colloid and Interface Science, 1980, 77, 37-40.	5.0	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.	0.2	1