Lucyna Holysz

List of Publications by Citations

55 papers	1,640 citations	21 h-index	39 g-index
60 ext. papers	1,874 ext. citations	5.1 avg, IF	4.98 L-index

#	Paper	IF	Citations
55	Synthesis of hydroxyapatite for biomedical applications. *Advances in Colloid and Interface Science*, **2017**, 249, 321-330	14.3	299
54	Use of the Washburn equation for surface free energy determination. *Langmuir*, **1992**, 8, 710-716	4	145
53	Effects of a static magnetic field on water and electrolyte solutions. *Journal of Colloid and Interface Science*, **2007**, 316, 996-1002	9.3	135
52	Contact angles: history of over 200 years of open questions. *Surface Innovations*, **2020**, 8, 3-27	1.9	89
51	On the use of Washburn's equation for contact angle determination. *Journal of Adhesion Science and Technology*, **1997**, 11, 1289-1301	2	59
50	Ice/Water Interface: Zeta Potential, Point of Zero Charge, and Hydrophobicity. *Journal of Colloid and Interface Science*, **1999**, 220, 229-234	9.3	58
49	Surface free energy components of .alpha.-alumina from thin-layer wicking. *Langmuir*, **1992**, 8, 717-721	4	56
48	Comparison of the Lifshitz–van der Waals/acid–base and contact angle hysteresis approaches for determination of solid surface free energy. *Journal of Adhesion Science and Technology*, **2002**, 16, 1547-1568	2	54
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	5.1	46
46	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	5.1	41
45	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, 4685-92	12.5	41
44	Influence of sodium dodecyl sulfate and static magnetic field on the properties of freshly precipitated calcium carbonate. *Langmuir*, **2005**, 21, 8114-22	4	37
43	Influence of impurity ions and magnetic field on the properties of freshly precipitated calcium carbonate. *Water Research*, **2003**, 37, 3351-60	12.5	35
42	Precipitation of calcium carbonate from magnetically treated sodium carbonate solution. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2003**, 225, 63-73	5.1	33
41	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	9.3	27
40	Correlation of surface free energy changes and flotability of quartz. *Journal of Colloid and Interface Science*, **1986**, 112, 15-23	9.3	27
39	Time-dependent changes of surface properties of polyether ether ketone caused by air plasma treatment. *Polymer International*, **2016**, 65, 827-834	3.3	27

38	A study of n-alkane films on solids by zeta-potential measurements. *Journal of Colloid and Interface Science*, **1981**, 81, 8-13	9.3	26
37	Influence of ionic surfactants on the properties of freshly precipitated calcium carbonate. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 297, 14-18	5.1	23
36	Surface free energy components and flotability of barite precovered with sodium dodecyl sulfate. *Langmuir*, **1992**, 8, 303-308	4	23
35	Some theoretical and experimental limitations in the determination of surface free energy of siliceous solids. *Powder Technology*, **1999**, 102, 120-126	5.2	21
34	Wetting properties of model biological membranes. *Current Opinion in Colloid and Interface Science*, **2014**, 19, 368-380	7.6	19
33	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	5.1	19
32	Surface properties of metal alloys used in aviation after plasma treatment. *Surface and Interface Analysis*, **2017**, 49, 647-653	1.5	18
31	Surface free energy components of silica gel determined by the thin layer wicking method for different layer thicknesses of gel. *Journal of Materials Science*, **1998**, 33, 445-452	4.3	18
30	Characterisation of exopolymer R-202 isolated from Rhodococcus rhodochrous and its flocculating properties. *European Polymer Journal*, **2017**, 88, 21-33	5.2	17
29	Investigation of the electrokinetic properties of paraffin suspension. 1. In inorganic electrolyte solutions. *Langmuir*, **2005**, 21, 4347-55	4	17
28	Properties of Langmuir and solid supported lipid films with sphingomyelin. *Advances in Colloid and Interface Science*, **2015**, 222, 385-97	14.3	16
27	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	5.1	16
26	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	6.7	15
25	Surface modification of glass plates and silica particles by phospholipid adsorption. *Journal of Colloid and Interface Science*, **2011**, 353, 281-9	9.3	15
24	Changes in zeta potential of TiO2 and CaCO3 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	5.1	15
23	Surface free energy and floatability of low-rank coal. *Fuel*, **1996**, 75, 737-742	7.1	15
22	Influence of Magnetic Field on Evaporation Rate and Surface Tension of Water. *Colloids and Interfaces*, **2018**, 2, 68	3	15
21	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	5.1	14

20	Effect of temperature on n-tetradecane emulsion in the presence of phospholipid DPPC and enzyme lipase or phospholipase A2. *Langmuir*, **2008**, 24, 7413-20	4	12
19	Changes in wetting and energetic properties of glass caused by deposition of different lipid layers. *Applied Surface Science*, **2010**, 256, 5463-5469	6.7	11
18	Superhydrophobic polystyrene layers filled with silica on glass. *Surface Innovations*, **2013**, 1, 52-59	1.9	9
17	Surface free energy of sulfur--revisited II. Samples solidified against different solid surfaces. *Journal of Colloid and Interface Science*, **2008**, 319, 514-9	9.3	9
16	The electrokinetic and rheological behavior of phosphatidylcholine-treated TiO2 suspensions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 440, 110-115	5.1	8
15	Zeta potential and surface free energy changes: Polystyrene/n-tetradecane-water system. *Journal of Colloid and Interface Science*, **1980**, 77, 37-40	9.3	8
14	Investigation of the electrokinetic properties of paraffin suspension. 2. In cationic and anionic surfactant solutions. *Langmuir*, **2005**, 21, 7662-71	4	7
13	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	7
12	Influence of Dodecylamine Chloride on the Surface Free Energy of Kaolinite. *Clays and Clay Minerals* , **1990**, 38, 53-56	2.1	6
11	Application of thin-layer wicking method for surface free energy determination. *Surface Innovations* , **2017**, 5, 9-20	1.9	5
10	Parameters determining the deposition of calcium carbonate into a glass capillary. *Journal of Adhesion Science and Technology*, **1994**, 8, 181-193	2	5
9	Wettability of Powders **2017**, 23-49		4
8	Surface Activity of Natural Surfactants Extracted from Sapindus mukorossi and Sapindus trifoliatus Soapnuts. *Colloids and Interfaces*, **2021**, 5, 7	3	4
7	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	5.1	3
6	Comparison of contact angle measurement methods of liquids on metal alloys. *Annales Universitatis Mariae Curie-Sklodowska Sectio AA Chemia*, **2016**, 71, 89	0.2	3
5	Influence of DPPC layers and PLA2on surface properties of silica particles. *Surface Innovations*, **2015**, 3, 3-9	1.9	2
4	Effect of Relative Humidity on Contact Angle and its Hysteresis on Phospholipid DPPC Bilayer Deposited on Glass **2013**, 329-346		2
3	What Can You Learn about Apparent Surface Free Energy from the Hysteresis Approach?. *Colloids and Interfaces*, **2021**, 5, 4	3	2

List of Publications

2 Adsorption–desorption equilibria, surface free energy and flotation activity changes in the quartz/dodecylamine chloride–water system. *Colloids and Surfaces*, **1989**, 41, 61-68 1

1 Wettability of Solid-Supported Lipid Layers **2014**, 121-148