Ewa Rogalska

List of Publications by Year in descending order

85 papers	2,353 citations	218677 26 h-index	233421 45 g-index
87 all docs	87 docs citations	87 times ranked	1906 citing authors

#	Article	IF	Citations
1	Stereoselective hydrolysis of triglycerides by animal and microbial lipases. Chirality, 1993, 5, 24-30.	2.6	241
2	Stereoselectivity of lipases. II. Stereoselective hydrolysis of triglycerides by gastric and pancreatic lipases. Journal of Biological Chemistry, 1990, 265, 20271-20276.	3.4	156
3	Stereoselectivity of lipases. II. Stereoselective hydrolysis of triglycerides by gastric and pancreatic lipases. Journal of Biological Chemistry, 1990, 265, 20271-6.	3.4	106
4	In vivo and in vitro studies on the stereoselective hydrolysis of tri- and diglycerides by gastric and pancreatic lipases. Bioorganic and Medicinal Chemistry, 1997, 5, 429-435.	3.0	79
5	Purification of pancreatic carboxylic-ester hydrolase by immunoaffinity and its application to the human bile-salt-stimulated lipase. Lipids and Lipid Metabolism, 1988, 961, 299-308.	2.6	74
6	Stereoselectivity of lipases. I. Hydrolysis of enantiomeric glyceride analogues by gastric and pancreatic lipases, a kinetic study using the monomolecular film technique. Journal of Biological Chemistry, 1990, 265, 20263-20270.	3.4	70
7	Preparing Catalytic Surfaces for Sensing Applications by Immobilizing Enzymes via Hydrophobin Layers. Analytical Chemistry, 2005, 77, 1622-1630.	6.5	67
8	Stereochemistry of the isoprenylation of tryptophan catalyzed by 4-(.gamma.,.gamma.-dimethylallyl)tryptophan synthase from Claviceps, the first pathway-specific enzyme in ergot alkaloid biosynthesis. Journal of the American Chemical Society, 1990, 112, 297-304.	13.7	64
9	Controlling lipase stereoselectivity via the surface pressure.. Journal of Biological Chemistry, 1993, 268, 792-794.	3.4	64
10	Lipase stereoselectivity and regioselectivity toward three isomers of dicaprin: A kinetic study by the monomolecular film technique. Chirality, 1995, 7, 505-515.	2.6	62
11	Electrodes Modified with Monoolein Cubic Phases Hosting Laccases for the Catalytic Reduction of Dioxygen. Analytical Chemistry, 2004, 76, 283-291.	6.5	60
12	A Langmuir film approach to elucidating interactions in lipid membranes: 1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine/cholesterol/metal cation systems. Chemistry and Physics of Lipids, 2006, 144, 127-136.	3.2	50
13	Controlling lipase stereoselectivity via the surface pressure. Journal of Biological Chemistry, 1993, 268, 792-4.	3.4	49
14	Stereoselectivity of lipases. I. Hydrolysis of enantiomeric glyceride analogues by gastric and pancreatic lipases, a kinetic study using the monomolecular film technique. Journal of Biological Chemistry, 1990, 265, 20263-70.	3.4	48
15	Modification of Electrodes with Self-Assembled Hydrophobin Layers. Journal of Physical Chemistry B, 2001, 105, 9772-9777.	2.6	45
16	Interactions of a Fungistatic Antibiotic, Griseofulvin, with Phospholipid Monolayers Used as Models of Biological Membranes. Langmuir, 2006, 22, 7701-7711.	3.5	43
17	Impact of two different saponins on the organization of model lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1963-1973.	2.6	43
18	Calixarenes in a Membrane Environment:Â A Monolayer Study on the Miscibility of Threep-tert-Butylcalix[4]arene Î²-Lactam Derivatives with 1,2-Dimyristoyl-sn-glycero-3-phosphoethanolamine. Journal of Physical Chemistry B, 2007, 111, 13231-13242.	2.6	37

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19	Enantiomeric Recognition of Amino Acids by Amphiphilic Crown Ethers in Langmuir Monolayers. Langmuir, 2004, 20, 6259-6267.	3.5	36
20	Membrane Activity of Tetra-p-guanidinoethylcalix[4]arene as a Possible Reason for Its Antibacterial Properties. Journal of Physical Chemistry B, 2011, 115, 15002-15012.	2.6	36
21	Fluorinated and hydrogenated cubic phases as matrices for immobilisation of cholesterol oxidase on electrodes. Physical Chemistry Chemical Physics, 2001, 3, 240-245.	2.8	34
22	Lipase stereo- and regio-selectivity towards tri- and di-acylglycerols. Biochemical Society Transactions, 1997, 25, 161-164.	3.4	32
23	Differentiating Oxicam Nonsteroidal Anti-Inflammatory Drugs in Phosphoglyceride Monolayers. Langmuir, 2010, 26, 3485-3492.	3.5	31
24	Modified electrodes based on lipidic cubic phases. Bioelectrochemistry, 2005, 66, 3-8.	4.6	30
25	Analytical Investigation of the Interactions between SC3 Hydrophobin and Lipid Layers:Â Elaborating of Nanostructured Matrixes for Immobilizing Redox Systems. Analytical Chemistry, 2006, 78, 4850-4864.	6.5	29
26	A Concept for Immobilizing Catalytic Complexes on Electrodes:Â Cubic Phase Layers for Carbon Dioxide Sensing. Analytical Chemistry, 2002, 74, 1554-1559.	6.5	27
27	Diastereoface-differentiating synthesis of substituted .beta.-lactams from chiral imines and/or chiral .alpha.-chloro iminium chlorides. Journal of Organic Chemistry, 1984, 49, 1397-1402.	3.2	26
28	Formation and properties of Langmuir and Gibbs monolayers: a comparative study using hydrogenated and partially fluorinated amphiphilic derivatives of mannitol. Chemistry and Physics of Lipids, 2000, 105, 71-91.	3.2	26
29	Meloxicam and Meloxicam-Î²-Cyclodextrin Complex in Model Membranes: Effects on the Properties and Enzymatic Lipolysis of Phospholipid Monolayers in Relation to Anti-inflammatory Activity. Langmuir, 2009, 25, 1417-1426.	3.5	26
30	Interfacial Approach to Polyaromatic Hydrocarbon Toxicity: Phosphoglyceride and Cholesterol Monolayer Response to Phenantrene, Anthracene, Pyrene, Chrysene, and Benzo[a]pyrene. Journal of Physical Chemistry B, 2008, 112, 13518-13531.	2.6	24
31	Probing Inter- and Intramolecular Interactions of Six New p-tert-Butylcalix[4]arene-Based Bipyridyl Podands with Langmuir Monolayers. Langmuir, 2002, 18, 8854-8861.	3.5	23
32	A thermodynamic approach to understanding liquid crystal selectivity in gas chromatography. Chromatographia, 2003, 57, 249-253.	1.3	22
33	The affinity of two antimicrobial peptides derived from bovine milk proteins for model lipid membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 343, 104-110.	4.7	22
34	Effects of gemini amphiphilic pseudopeptides on model lipid membranes: A Langmuir monolayer study. Colloids and Surfaces B: Biointerfaces, 2013, 102, 659-666.	5.0	22
35	Phosphate-binding Sites in Phosphorylating glyceraldehyde-3-phosphate Dehydrogenase from Bacillus stearothermophilus. FEBS Journal, 1996, 235, 641-647.	0.2	21
36	Glycolipidâ€“cholesterol monolayers: Towards a better understanding of the interaction between the membrane components. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2466-2476.	2.6	21

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37	The Mechanism of Metal Cation Binding in Two Nalidixate Calixarene Conjugates. A Langmuir Film and Molecular Modeling Study. Journal of Physical Chemistry B, 2010, 114, 10427-10435.	2.6	20
38	Interaction of a Î²-lactam calixarene derivative with a model eukaryotic membrane affects the activity of PLA2. Colloids and Surfaces B: Biointerfaces, 2013, 103, 217-222.	5.0	19
39	Interaction of amphiphilic chlorin-based photosensitizers with 1,2-dipalmitoyl-sn-glycero-3-phosphocholine monolayers. Chemistry and Physics of Lipids, 2009, 158, 102-109.	3.2	18
40	Synthesis and properties of two new liquid crystals: an analytical and thermodynamic study. Journal of Chromatography A, 1999, 859, 59-67.	3.7	17
41	Impact of Aluminum on the Oxidation of Lipids and Enzymatic Lipolysis in Monomolecular Films at the Air/Water Interface. Langmuir, 2007, 23, 3338-3348.	3.5	17
42	Enzymatic Probing of Model Lipid Membranes: Phospholipase A2 Activity toward Monolayers Modified by Oxicam NSAIDs. Journal of Physical Chemistry B, 2011, 115, 9290-9298.	2.6	17
43	Nanoscale investigation of the interaction of colistin with model phospholipid membranes by Langmuir technique, and combined infrared and force spectroscopies. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2592-2602.	2.6	17
44	The selective interactions of cationic tetra-p-guanidinoethylcalix[4]arene with lipid membranes: theoretical and experimental model studies. Soft Matter, 2016, 12, 181-190.	2.7	17
45	Human milk bile-salt stimulated lipase: further investigations on the amino-acids residues involved in the catalytic site. Lipids and Lipid Metabolism, 1989, 1002, 225-230.	2.6	16
46	Self-assembly of chlorophenols in water. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6577-6580.	7.1	16
47	A cross-linked complex between horse pancreatic lipase and colipase. FEBS Letters, 1989, 257, 443-446.	2.8	15
48	Interfacial Approach to Aluminum Toxicity:Â Interactions of Al(III) and Pr(III) with Model Phospholipid Bilayer and Monolayer Membranes. Langmuir, 2003, 19, 8697-8708.	3.5	15
49	The impact of lipid oxidation on the functioning of a lung surfactant model. Physical Chemistry Chemical Physics, 2018, 20, 24968-24978.	2.8	15
50	DFT Study on the Selectivity of Complexation of Metal Cations with a Dioxadithia Crown Ether Ligand. Journal of Physical Chemistry A, 2008, 112, 13633-13640.	2.5	14
51	Upper-rim alternately tethered Î±-cyclodextrin molecular receptors: synthesis, metal complexation and interfacial behavior. New Journal of Chemistry, 2009, 33, 554-560.	2.8	14
52	Molecular Organization of Nalidixate Conjugated Calixarenes in Bacterial Model Membranes Probed by Molecular Dynamics Simulation and Langmuir Monolayer Studies. Journal of Physical Chemistry B, 2015, 119, 2990-3000.	2.6	14
53	Triggering Tautomerization of Curcumin by Confinement into Liposomes. ChemPhotoChem, 2019, 3, 1034-1041.	3.0	14
54	Vibrational, calorimetric, and molecular conformational study on calcein interaction with model lipid membrane. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	12

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55	A Study of the Interaction between a Family of Gemini Amphiphilic Pseudopeptides and Model Monomolecular Film Membranes Formed with a Cardiolipin. Journal of Physical Chemistry B, 2015, 119, 6668-6679.	2.6	12
56	Asymmetric synthesis of Î²-lactams. Journal of the Chemical Society Chemical Communications, 1981, .	2.0	11
57	Stacking phenomena in polyaromatic compounds. Thermochimica Acta, 1999, 325, 119-124.	2.7	11
58	New potential prodrugs of aciclovir using calix[4]arene as a lipophilic carrier: synthesis and drug-release studies at the airâ€“water interface. New Journal of Chemistry, 2012, 36, 2060.	2.8	10
59	Two antibacterial nalidixate calixarene derivatives in cholesterol monolayers: Molecular dynamics and physicochemical effects. Colloids and Surfaces B: Biointerfaces, 2016, 145, 777-784.	5.0	10
60	The Kinetics, Specificities and Structural Features of Lipases. , 1996, , 265-304.		10
61	Formation of Langmuir Layers and Surface Modification Using New Upper-Rim Fully Tethered Bipyridinyl or Bithiazolyl Cyclodextrins and Their Fluorescent Metal Complexes. Langmuir, 2004, 20, 5338-5346.	3.5	9
62	Structuring of supported hybrid phospholipid bilayers on electrodes with phospholipase A2. Physical Chemistry Chemical Physics, 2011, 13, 9716.	2.8	9
63	Phospholipase A2 activity on supported thiolipid monolayers monitored by electrochemical and SPR methods. Journal of Electroanalytical Chemistry, 2011, 660, 360-366.	3.8	9
64	A Langmuir monolayer study of the action of phospholipase A2 on model phospholipid and mixed phospholipid-GM1 ganglioside membranes. Colloids and Surfaces B: Biointerfaces, 2014, 116, 389-395.	5.0	9
65	Structure â¿¿ membrane activity relationship in a family of peptide-based gemini amphiphiles: An insight from experimental and theoretical model systems. Colloids and Surfaces B: Biointerfaces, 2016, 146, 54-62.	5.0	9
66	A way to introducing a hydrophilic bioactive agent into model lipid membranes. The role of cetyl palmitate in the interaction of curcumin with 1,2-dioleoyl-sn-glycero-3-phosphatidylcholine monolayers. Journal of Molecular Liquids, 2020, 308, 113040.	4.9	9
67	Electron-Donorâ"Acceptor Fullerene Derivative Retained on Electrodes Using SC3 Hydrophobin. Journal of Physical Chemistry C, 2007, 111, 1176-1179.	3.1	8
68	Complexation of Metal Ions in Langmuir Films Formed with Two Amphiphilic Dioxadithia Crown Ethers. Journal of Physical Chemistry B, 2008, 112, 10953-10963.	2.6	8
69	Organosoluble calixarene-based quinolone carriers: syntheses, evaluation and model hydrolytic studies at the airâ€“water interface. New Journal of Chemistry, 2012, 36, 78-85.	2.8	8
70	Organization of Four Thermotropic Liquid Crystals of Different Polarities on Model Liquid and Solid Surfaces. Langmuir, 2004, 20, 7991-7997.	3.5	7
71	Preparation of meloxicamâ€“Î²-cyclodextrinâ€“polyethylene glycol 6000 ternary system: characterization,in vitroandin vivobioavailability. Pharmaceutical Development and Technology, 2012, 17, 632-637.	2.4	7
72	Lung surfactant monolayer â€“ A good natural barrier against dibenzo-p-dioxins. Chemosphere, 2020, 240, 124850.	8.2	7

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73	The Kinetics, Specificities and Structural Features of Lipases. , 1996, , 143-182.		7
74	Derivatives of glutamic acid as new surfactants›. Amino Acids, 2000, 18, 89-100.	2.7	6
75	A model of compression isotherms for analyzing particle layers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 128-135.	4.7	6
76	The lung surfactant activity probed with molecular dynamics simulations. Advances in Colloid and Interface Science, 2022, 304, 102659.	14.7	6
77	Effect of products of PLA2 catalyzed hydrolysis of DLPC on motion of rising bubbles. Colloids and Surfaces B: Biointerfaces, 2015, 128, 261-267.	5.0	5
78	Kinetics of the spreading of Intralipidâ„¢ emulsions at the air-water interface. Colloids and Surfaces B: Biointerfaces, 1995, 4, 213-220.	5.0	4
79	Thermodynamic and interfacial study of two liquid crystals substituted with polyethylene oxyde (POE) chains. Journal of Molecular Liquids, 2001, 94, 221-231.	4.9	4
80	Penetration of Milk-Derived Antimicrobial Peptides into Phospholipid Monolayers as Model Biomembranes. Biochemistry Research International, 2013, 2013, 1-16.	3.3	4
81	The interaction of an amphiphile crown ether with divalent metal ions. An electrochemical, Langmuir film, and molecular modeling study. Thin Solid Films, 2019, 683, 49-56.	1.8	4
82	Temperature-dependent adsorption of surfactant molecules and associated crystallization kinetics of noncentrosymmetric Fe(IO3)3 nanorods in microemulsions. Materials Research Bulletin, 2013, 48, 4431-4437.	5.2	3
83	The hydrophobic core effect in model bacterial membranes upon interaction with tetra-p-guanidinoethylcalix[4]arene. Journal of Molecular Liquids, 2021, 343, 117636.	4.9	3
84	The Molecular Bases of the Interaction between a Saponin from the Roots of Gypsophila paniculata L. and Model Lipid Membranes. International Journal of Molecular Sciences, 2022, 23, 3397.	4.1	3
85	The effect of protonation in a family of peptide based gemini amphiphiles on the interaction in Langmuir films. Journal of Molecular Liquids, 2019, 284, 357-365.	4.9	2