

Gerald Brezesinski

List of Publications by Year in descending order

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237
papers

5,937
citations

81900

39
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128289

60
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242
all docs

242
docs citations

242
times ranked

5462
citing authors

#	ARTICLE	IF	CITATIONS
1	Langmuir monolayers to study interactions at model membrane surfaces. <i>Advances in Colloid and Interface Science</i> , 2003, 100-102, 563-584.	14.7	246
2	Langmuir monolayers as models to study processes at membrane surfaces. <i>Advances in Colloid and Interface Science</i> , 2014, 208, 197-213.	14.7	190
3	Influence of ether linkages on the structure of double-chain phospholipid monolayers. <i>Chemistry and Physics of Lipids</i> , 1995, 76, 145-157.	3.2	154
4	The interaction of antimicrobial peptides with membranes. <i>Advances in Colloid and Interface Science</i> , 2017, 247, 521-532.	14.7	134
5	Langmuir monolayers as unique physical models. <i>Current Opinion in Colloid and Interface Science</i> , 2014, 19, 176-182.	7.4	118
6	DNA Condensation and Interaction with Zwitterionic Phospholipids Mediated by Divalent Cations. <i>Langmuir</i> , 2006, 22, 6293-6301.	3.5	110
7	Influence of fluorinated and hydrogenated nanoparticles on the structure and fibrillogenesis of amyloid beta-peptide. <i>Biophysical Chemistry</i> , 2008, 137, 35-42.	2.8	106
8	Adsorption of Amyloid β^2 (1-40) Peptide at Phospholipid Monolayers. <i>ChemBioChem</i> , 2005, 6, 1817-1824.	2.6	99
9	Functional carbon nanosheets prepared from hexayne amphiphile monolayers at room temperature. <i>Nature Chemistry</i> , 2014, 6, 468-476.	13.6	97
10	NSAIDs Interactions with Membranes: A Biophysical Approach. <i>Langmuir</i> , 2011, 27, 10847-10858.	3.5	87
11	Changes in Model Lung Surfactant Monolayers Induced by Palmitic Acid. <i>Langmuir</i> , 2001, 17, 4641-4648.	3.5	83
12	Binding of Nonsteroidal Anti-inflammatory Drugs to DPPC: Structure and Thermodynamic Aspects. <i>Langmuir</i> , 2008, 24, 4132-4139.	3.5	77
13	Synthesis, calorimetry, and X-ray diffraction of lecithins containing branched fatty acid chains. <i>Chemistry and Physics of Lipids</i> , 1986, 39, 221-236.	3.2	75
14	Polyelectrolyte Coupling to a Charged Lipid Monolayer. <i>Macromolecules</i> , 1997, 30, 2337-2342.	4.8	74
15	Adsorption of Amyloid Beta (1-40) Peptide to Phosphatidylethanolamine Monolayers. <i>ChemPhysChem</i> , 2004, 5, 1185-1190.	2.1	73
16	Rationale for the Design of Shortened Derivatives of the NK-lysin-derived Antimicrobial Peptide NK-2 with Improved Activity against Gram-negative Pathogens. <i>Journal of Biological Chemistry</i> , 2007, 282, 14719-14728.	3.4	72
17	Breakdown of the Gouy-Chapman Model for Highly Charged Langmuir Monolayers: Counterion Size Effect. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10032-10040.	2.6	71
18	Molecular Organization of the Tear Fluid Lipid Layer. <i>Biophysical Journal</i> , 2010, 99, 2559-2567.	0.5	67

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19	Elemental Analysis within the Electrical Double Layer Using Total Reflection X-ray Fluorescence Technique. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3927-3934.	2.6	59
20	X-ray investigation of monolayers formed at the soft air/water interface. <i>Current Opinion in Colloid and Interface Science</i> , 2014, 19, 216-227.	7.4	57
21	DNA Alignment at Cationic Lipid Monolayers at the Air/Water Interface. <i>Macromolecules</i> , 2004, 37, 3865-3873.	4.8	56
22	Lipid-Drug Interaction: Biophysical Effects of Tolmetin on Membrane Mimetic Systems of Different Dimensionality. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12615-12623.	2.6	52
23	Ionization State and Structure of 1,2-Dipalmitoylphosphatidylglycerol Monolayers at the Liquid/Air Interface. <i>Journal of Physical Chemistry B</i> , 2006, 110, 919-926.	2.6	51
24	Photosensitive surfactants: Micellization and interaction with DNA. <i>Journal of Chemical Physics</i> , 2014, 140, 044906.	3.0	50
25	Dipalmitoyl-Phosphatidylcholine/Phospholipase D Interactions Investigated with Polarization-Modulated Infrared Reflection Absorption Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 749-754.	0.5	49
26	Lipopolysaccharide interaction is decisive for the activity of the antimicrobial peptide NK-2 against <i>Escherichia coli</i> and <i>Proteus mirabilis</i> . <i>Biochemical Journal</i> , 2010, 427, 477-488.	3.7	48
27	Domain formation in monolayers. <i>Molecular Membrane Biology</i> , 1995, 12, 29-38.	2.0	47
28	Influence of Pulmonary Surfactant Protein B on Model Lung Surfactant Monolayers. <i>Langmuir</i> , 2002, 18, 2319-2325.	3.5	47
29	The protective effect of free and membrane-bound cryoprotectants during freezing and freeze-drying of liposomes. <i>Journal of Controlled Release</i> , 1994, 30, 105-116.	9.9	45
30	Dynamic Observations of the Hydrolysis of a DPPC Monolayer at the Air/Water Interface Catalyzed by Phospholipase A ₂ . <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3059-3062.	13.8	43
31	Interactions of a Fungistatic Antibiotic, Griseofulvin, with Phospholipid Monolayers Used as Models of Biological Membranes. <i>Langmuir</i> , 2006, 22, 7701-7711.	3.5	43
32	Controlling Amyloid- β Peptide (1-42) Oligomerization and Toxicity by Fluorinated Nanoparticles. <i>ChemBioChem</i> , 2010, 11, 1905-1913.	2.6	42
33	Synchrotron SAXS and WAXS Study of the Interactions of NSAIDs with Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8024-8032.	2.6	42
34	Triggers for β -Sheet Formation at the Hydrophobic-Hydrophilic Interface: High Concentration, In-Plane Orientational Order, and Metal Ion Complexation. <i>Langmuir</i> , 2011, 27, 14218-14231.	3.5	42
35	From Langmuir Monolayers to Multilayer Films. <i>Langmuir</i> , 2016, 32, 10445-10458.	3.5	42
36	Light-Induced Water Splitting Causes High-Amplitude Oscillation of pH-Sensitive Layer-by-Layer Assemblies on TiO ₂ . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13001-13004.	13.8	42

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37	Characterization of Peptide-Guided Polymer Assembly at the Air/Water Interface. <i>Langmuir</i> , 2008, 24, 3306-3316.	3.5	41
38	Polyoxometalate Surfactants as Unique Molecules for Interfacial Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 322-326.	4.6	41
39	Structural Analysis of a Metallosupramolecular Polyelectrolyte-Amphiphile Complex at the Air/Water Interface. <i>Chemistry - A European Journal</i> , 2001, 7, 1646-1651.	3.3	40
40	The impact of lipid composition on the stability of the tear fluid lipid layer. <i>Soft Matter</i> , 2012, 8, 5826.	2.7	40
41	Generic Phase Behavior of Branched-Chain Phospholipid Monolayers. <i>Chemistry - A European Journal</i> , 2002, 8, 3203.	3.3	39
42	Adsorption of Amyloid β -Peptide at Polymer Surfaces: A Neutron Reflectivity Study. <i>ChemPhysChem</i> , 2005, 6, 2527-2534.	2.1	39
43	The film tells the story: Physical-chemical characteristics of IgG at the liquid-air interface. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 119, 396-407.	4.3	38
44	Phase diagrams of pseudo-binary phospholipid systems I. Influence of the chain length differences on the miscibility properties of cephaline/cephaline/water systems. <i>Chemistry and Physics of Lipids</i> , 1988, 48, 245-254.	3.2	37
45	Effect of Sugars and Dimethyl Sulfoxide on the Structure and Phase Behavior of DPPC Monolayers. <i>Langmuir</i> , 2001, 17, 1209-1214.	3.5	37
46	Subgel Phase Structure in Monolayers of Glycosylphosphatidylinositol Glycolipids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12874-12878.	13.8	37
47	Interaction between phospholipids and new Gemini cationic surfactants having anti-HIV activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 228, 3-16.	4.7	36
48	Disorder in Langmuir Monolayers: 2. Relation between Disordered Alkyl Chain Packing and the Loss of Long-Range Tilt Orientational Order. <i>Langmuir</i> , 1999, 15, 2901-2910.	3.5	35
49	Adsorption of DNA to zwitterionic DMPE monolayers mediated by magnesium ions. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 5551.	2.8	35
50	Structural Changes of Phospholipid Monolayers Caused by Coupling of Human Serum Albumin: A GIXD Study at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14171-14177.	2.6	35
51	Modifying Calf Lung Surfactant by Hexadecanol. <i>Langmuir</i> , 2005, 21, 1028-1035.	3.5	35
52	Randomization of Amyloid β -Peptide (1-42) Conformation by Sulfonated and Sulfated Nanoparticles Reduces Aggregation and Cytotoxicity. <i>Macromolecular Bioscience</i> , 2010, 10, 1152-1163.	4.1	35
53	pH-Responsive Self-Organization of Metal-Binding Protein Motifs from Biomolecular Junctions in Mussel Byssus. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600416.	3.7	35
54	Grazing incidence X-ray diffraction studies of condensed double-chain phospholipid monolayers formed at the soft air/water interface. <i>Advances in Colloid and Interface Science</i> , 2014, 207, 265-279.	14.7	34

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55	Vesicle Origami and the Influence of Cholesterol on Lipid Packing. <i>Langmuir</i> , 2016, 32, 4896-4903.	3.5	32
56	Influence of Γ -branched fatty acid chains on the thermotropic behaviours of 1-O-acyl-2-O-hexadecyl-glycerophosphocholines. <i>Chemistry and Physics of Lipids</i> , 1987, 43, 257-264.	3.2	31
57	Separation of Enantiomers in a Monolayer of Racemic 3-Hexadecyl- α -propane-1,2-diol. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1993, 97, 1394-1398.	0.9	31
58	Influence of Surface Properties of Mixed Monolayers on Lipolytic Hydrolysis. <i>Langmuir</i> , 2000, 16, 2779-2788.	3.5	29
59	Analytical Investigation of the Interactions between SC3 Hydrophobin and Lipid Layers: Elaborating of Nanostructured Matrixes for Immobilizing Redox Systems. <i>Analytical Chemistry</i> , 2006, 78, 4850-4864.	6.5	29
60	Mixed DPPC/DPTAP Monolayers at the Air/Water Interface: Influence of Indolilo-3-acetic Acid and Selenate Ions on the Monolayer Morphology. <i>Langmuir</i> , 2011, 27, 10886-10893.	3.5	29
61	Vesicle Origami: Cuboid Phospholipid Vesicles Formed by Template-Free Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6515-6518.	13.8	29
62	Polymer-capped magnetite nanoparticles change the 2D structure of DPPC model membranes. <i>Soft Matter</i> , 2012, 8, 7952.	2.7	28
63	Investigation of the Protonation State of Novel Cationic Lipids Designed for Gene Transfection. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13845-13850.	2.6	27
64	Impact of the long chain Γ -acylceramides on the stratum corneum lipid nanostructure. Part 1: Thermotropic phase behaviour of CER[EOS] and CER[EOP] studied using X-ray powder diffraction and FT-Raman spectroscopy. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 42-50.	3.2	27
65	Headgroup-Ordered Monolayers of Uncharged Glycolipids Exhibit Selective Interactions with Ions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1684-1690.	4.6	27
66	Hexagonal Columnar. <i>cis</i> , <i>cis</i> -(3,5-dihydroxycyclohexyl)-3,4,5-tris(alkoxy)benzoates Thermal behaviour and water absorption. <i>Liquid Crystals</i> , 1991, 10, 169-183.	2.2	26
67	Miscibility of DPPC and DPPA in monolayers at the air/water interface. <i>Chemistry and Physics of Lipids</i> , 2004, 131, 71-80.	3.2	26
68	Langmuir and Langmuir-Blodgett Films of Metallo-supramolecular Polyelectrolyte-Amphiphile Complexes. <i>Langmuir</i> , 2005, 21, 5901-5906.	3.5	26
69	Modifying dipalmitoylphosphatidylcholine monolayers by n-hexadecanol and dipalmitoylglycerol. <i>Chemistry and Physics of Lipids</i> , 2007, 145, 119-127.	3.2	26
70	Novel Cationic Lipids Based on Malonic Acid Amides Backbone: Transfection Efficacy and Cell Toxicity Properties. <i>Bioconjugate Chemistry</i> , 2010, 21, 696-708.	3.6	26
71	Effects of non-steroidal anti-inflammatory drugs on the structure of lipid bilayers: therapeutical aspects. <i>Soft Matter</i> , 2011, 7, 3002.	2.7	26
72	Bilayer Properties of 1,3-Diamidophospholipids. <i>Langmuir</i> , 2015, 31, 1879-1884.	3.5	26

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73	Structure features and phase behaviour of amphiphilic N-tetradecyl- β -hydroxy-propionic acid amide monolayers. <i>Supramolecular Science</i> , 1997, 4, 391-397.	0.7	25
74	Biocompatible Magnetite Nanoparticles Trapped at the Air/Water Interface. <i>ChemPhysChem</i> , 2010, 11, 3585-3588.	2.1	25
75	The Influence of Rifabutin on Human and Bacterial Membrane Models: Implications for Its Mechanism of Action. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6187-6193.	2.6	25
76	In-Plane Structures of Synthetic Oligolactose Lipid Monolayers-Impact of Saccharide Chain Length. <i>ChemPhysChem</i> , 2003, 4, 1316-1322.	2.1	24
77	Penetration of the Antimicrobial Peptide Dicynthaurin into Phospholipid Monolayers at the Liquid-Air Interface. <i>ChemBioChem</i> , 2007, 8, 1038-1047.	2.6	24
78	Physical-Chemical Properties and Transfection Activity of Cationic Lipid/DNA Complexes. <i>ChemPhysChem</i> , 2009, 10, 2471-2479.	2.1	24
79	The energy-dispersive reflectometer/diffractometer at BESSY-I. <i>Measurement Science and Technology</i> , 1999, 10, 354-361.	2.6	23
80	Hydrolysis Reaction Analysis of β -Distearoylphosphatidylcholine Monolayer Catalyzed by Phospholipase A2 with Polarization-Modulated Infrared Reflection Absorption Spectroscopy. <i>Langmuir</i> , 2005, 21, 1051-1054.	3.5	23
81	Structure of the Langmuir Monolayers with Fluorinated Ethyl Amide and Ethyl Ester Polar Heads Creating Dipole Potentials of Opposite Sign. <i>Langmuir</i> , 2008, 24, 8001-8007.	3.5	23
82	Crystalline Amyloid Structures at Interfaces. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5005-5009.	13.8	23
83	Incorporation of mRNA in Lamellar Lipid Matrices for Parenteral Administration. <i>Molecular Pharmaceutics</i> , 2018, 15, 642-651.	4.6	23
84	Thermodynamics and Structures of Amide Phospholipid Monolayers. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13475-13480.	2.6	22
85	Interfacial properties and structural analysis of the antimicrobial peptide NK-2. <i>Journal of Peptide Science</i> , 2008, 14, 510-517.	1.4	22
86	Physical-chemical characterization of novel cationic transfection lipids and the binding of model DNA at the air-water interface. <i>Soft Matter</i> , 2011, 7, 10162.	2.7	22
87	CaCO ₃ Mineralization under β -Sheet Forming Peptide Monolayers. <i>Crystal Growth and Design</i> , 2012, 12, 2299-2305.	3.0	22
88	Structure of octadecanol monolayers: An x-ray diffraction study. <i>Journal of Chemical Physics</i> , 1998, 109, 2006-2010.	3.0	21
89	Influence of model membrane structure on phospholipase D activity. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4600-4604.	2.8	21
90	Langmuir and Gibbs Magnetite NP Layers at the Air/Water Interface. <i>Langmuir</i> , 2011, 27, 1192-1199.	3.5	21

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91	Conformational induced behaviour of copolymer-capped magnetite nanoparticles at the air/water interface. <i>Soft Matter</i> , 2011, 7, 4267.	2.7	21
92	Peptide-surfactant interactions: Consequences for the amyloid-beta structure. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 136-140.	2.1	21
93	Physicochemical Investigation of a Lipid with a New Core Structure for Gene Transfection: 2-Amino-3-hexadecyloxy-2-(hexadecyloxymethyl)propan-1-ol. <i>Langmuir</i> , 2007, 23, 3919-3926.	3.5	20
94	Do unsaturated phosphoinositides mix with ordered phosphatidylcholine model membranes?. <i>Journal of Lipid Research</i> , 2008, 49, 1918-1925.	4.2	20
95	The formation of lipid bilayers on surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 477-483.	5.0	20
96	Chiral Textures inside 2D Achiral Domains. <i>Journal of the American Chemical Society</i> , 2011, 133, 19028-19031.	13.7	20
97	Monolayer Properties of 1,3-Diamidophospholipids. <i>Langmuir</i> , 2013, 29, 9428-9435.	3.5	20
98	Amphiphilic Cationic β -Peptides: Membrane Active Peptidomimetics and Their Potential as Antimicrobial Agents. <i>Biomacromolecules</i> , 2014, 15, 1687-1695.	5.4	20
99	Influence of \pm -branched fatty acid chains on the thermotropic behaviour of racemic 1-O-hexadecyl-2-acyl-glycero-3-phosphocholines. <i>Chemistry and Physics of Lipids</i> , 1995, 75, 81-91.	3.2	19
100	Direct Observations of the Cleavage Reaction of an L-DPPC Monolayer Catalyzed by Phospholipase A2 and Inhibited by an Indole Inhibitor at the Air/Water Interface. <i>ChemBioChem</i> , 2003, 4, 299-305.	2.6	19
101	Evidence for a Reverse U-Shaped Conformation of Single-Chain Bolaamphiphiles at the Air-Water Interface. <i>Langmuir</i> , 2007, 23, 6063-6069.	3.5	19
102	Liquid-liquid immiscibility in model membranes activates secretory phospholipase A2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 166-174.	2.6	19
103	Use of Total Reflection X-ray Fluorescence (TRXF) for the Quantification of DNA Binding to Lipid Monolayers at the Air-Water Interface. <i>Langmuir</i> , 2010, 26, 14766-14773.	3.5	19
104	Structure-Function Relationships of New Lipids Designed for DNA Transfection. <i>ChemPhysChem</i> , 2011, 12, 2328-2337.	2.1	19
105	On the Interaction between Digitonin and Cholesterol in Langmuir Monolayers. <i>Langmuir</i> , 2016, 32, 9064-9073.	3.5	19
106	Non-ionic surfactants as innovative skin penetration enhancers: insight in the mechanism of interaction with simple 2D stratum corneum model system. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 157, 105620.	4.0	19
107	Separation of enantiomers in a diol monolayer studied by fluorescence microscopy and grazing incidence X-ray diffraction. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 1487-1492.	0.4	18
108	Phospholipase D Activity Is Regulated by Product Segregation and the Structure Formation of Phosphatidic Acid within Model Membranes. <i>Biophysical Journal</i> , 2007, 93, 2373-2383.	0.5	18

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109	Rigid Urea and Self-Healing Thiourea Ethanolamine Monolayers. <i>Langmuir</i> , 2015, 31, 1296-1302.	3.5	18
110	Composites of malonic acid diamides and phospholipids – Impact of lipoplex stability on transfection efficiency. <i>Journal of Controlled Release</i> , 2015, 220, 295-307.	9.9	18
111	Immobilization of 2-Deoxy-D-ribose-5-phosphate Aldolase in Polymeric Thin Films via the Langmuir-Schaefer Technique. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8317-8326.	8.0	18
112	Investigating Ions at Amphiphilic Monolayers with X-ray Fluorescence. <i>Langmuir</i> , 2019, 35, 8531-8542.	3.5	18
113	Influence of side-chain length on phospholipid ordering in two dimensions. <i>Chemistry and Physics of Lipids</i> , 1998, 94, 251-260.	3.2	17
114	Impact of Aluminum on the Oxidation of Lipids and Enzymatic Lipolysis in Monomolecular Films at the Air/Water Interface. <i>Langmuir</i> , 2007, 23, 3338-3348.	3.5	17
115	Influence of Cadmium and Selenate on the Interactions between Hormones and Phospholipids. <i>Langmuir</i> , 2009, 25, 13071-13076.	3.5	17
116	Control of the Lateral Organization in Langmuir Monolayers via Molecular Aggregation of Dyes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16685-16695.	3.1	17
117	Stimuli-Responsive Magnetite Nanoparticle Monolayers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5478-5484.	3.1	17
118	Modeling the influence of adsorbed DNA on the lateral pressure and tilt transition of a zwitterionic lipid monolayer. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10613.	2.8	17
119	Surface activity and structures of two fragments of the human antimicrobial LL-37. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 129-135.	5.0	17
120	Composites of malonic acid diamides and phospholipids - Structural parameters for optimal transfection efficiency in A549 cells. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1184-1194.	1.5	17
121	Malonic acid based cationic lipids – The way to highly efficient DNA-carriers. <i>Advances in Colloid and Interface Science</i> , 2017, 248, 20-34.	14.7	17
122	Phase Transitions and Structures in Monolayers of Water Soluble and Insoluble Amphiphilic Acid Amides. <i>Chemical Engineering and Technology</i> , 1998, 21, 44-48.	1.5	16
123	Investigations of Lipid-Protein Interactions on Monolayers of Chain-Substituted Phosphatidylcholines. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2775-2778.	13.8	16
124	Unconventional Air-Stable Interdigitated Bilayer Formed by 2,3-Disubstituted Fatty Acid Methyl Esters. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19866-19875.	2.6	16
125	Adsorption of the antimicrobial peptide arenicin and its linear derivative to model membranes – A maximum insertion pressure study. <i>Chemistry and Physics of Lipids</i> , 2013, 167-168, 43-50.	3.2	16
126	From Two-Dimensional to Three-Dimensional at the Air/Water Interface: The Self-Aggregation of the Acridine Dye in Mixed Monolayers. <i>Langmuir</i> , 2013, 29, 4796-4805.	3.5	16

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127	Interaction of DNA with Cationic Lipid Mixtures Investigation at Langmuir Lipid Monolayers. <i>Langmuir</i> , 2017, 33, 10172-10183.	3.5	16
128	Impact of formulation pH on physicochemical protein characteristics at the liquid-air interface. <i>International Journal of Pharmaceutics</i> , 2018, 541, 234-245.	5.2	16
129	Phospholipid and Protein Monolayers. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 3906-3913.	1.5	15
130	Model Studies of the Interfacial Ordering of Oleanolic Acid in the Cuticula. <i>ChemPhysChem</i> , 2008, 9, 1670-1672.	2.1	15
131	Monolayer Characteristics of 1-Monostearoyl-glycerol at the Air-Water Interface. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9934-9946.	3.1	15
132	Structures of malonic acid diamide/phospholipid composites and their lipoplexes. <i>Soft Matter</i> , 2016, 12, 5854-5866.	2.7	15
133	Hydration properties of N-(\pm -hydroxyacyl)-sphingosine: X-ray powder diffraction and FT-Raman spectroscopic studies. <i>Chemistry and Physics of Lipids</i> , 2005, 136, 13-22.	3.2	14
134	Molecular mechanisms of phosphatidylcholine monolayer solidification due to hydroxyl radicals. <i>Soft Matter</i> , 2011, 7, 6467.	2.7	14
135	Langmuir Monolayers of an Inclusion Complex Formed by a New Calixarene Derivative and Fullerene. <i>Langmuir</i> , 2012, 28, 12114-12121.	3.5	14
136	Investigation of Binary Lipid Mixtures of a Three-Chain Cationic Lipid with Phospholipids Suitable for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2015, 26, 2461-2473.	3.6	14
137	Sucrose esters as biocompatible surfactants for penetration enhancement: An insight into the mechanism of penetration enhancement studied using stratum corneum model lipids and Langmuir monolayers. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 161-172.	4.0	14
138	Correlation of surface pressure and hue of planarizable push-pull chromophores at the air/water interface. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1099-1105.	2.2	14
139	Properties of unusual phospholipids: I. Synthesis, monolayer investigations and calorimetry of diacylglycerophosphocholines containing monoacetylenic acyl chains. <i>Chemistry and Physics of Lipids</i> , 1994, 70, 187-198.	3.2	13
140	Condensed phases in monolayers of a triple-chain lecithin on water. <i>Physica B: Condensed Matter</i> , 1994, 198, 146-149.	2.7	13
141	Convex-concave curvatures in bilayers of dipalmitoylphosphatidylcholine and cholesterol induced by amphotericin B/deoxycholate after prolonged storage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1190, 9-19.	2.6	13
142	Grazing Incidence Diffraction and Brewster-Angle Microscope Studies of Mixtures of Hexadecanoic Acid and Methyl Hexadecanoate: The Unexpected Appearance of a Phase with Nearest-Neighbor Tilt. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10053-10058.	2.6	13
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