Gerald Brezesinski

List of Publications by Year
in descending order

237 papers	5,937 citations	81839 39 h-index	128225 60 g-index
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. Advances in Colloid and Interface Science, 2003, 100-102, 563-584.	7.0	246
2	Langmuir monolayers as models to study processes at membrane surfaces. Advances in Colloid and Interface Science, 2014, 208, 197-213.	7.0	190
3	Influence of ether linkages on the structure of double-chain phospholipid monolayers. Chemistry and Physics of Lipids, 1995, 76, 145-157.	1.5	154
4	The interaction of antimicrobial peptides with membranes. Advances in Colloid and Interface Science, 2017, 247, 521-532.	7.0	134
5	Langmuir monolayers as unique physical models. Current Opinion in Colloid and Interface Science, 2014, 19, 176-182.	3.4	118
6	DNA Condensation and Interaction with Zwitterionic Phospholipids Mediated by Divalent Cations. Langmuir, 2006, 22, 6293-6301.	1.6	110
7	Influence of fluorinated and hydrogenated nanoparticles on the structure and fibrillogenesis of amyloid beta-peptide. Biophysical Chemistry, 2008, 137, 35-42.	1.5	106
8	Adsorption of Amyloid Î² (1-40) Peptide at Phospholipid Monolayers. ChemBioChem, 2005, 6, 1817-1824.	1.3	99
9	Functional carbon nanosheets prepared from hexayne amphiphile monolayers at room temperature. Nature Chemistry, 2014, 6, 468-476.	6.6	97
10	NSAIDs Interactions with Membranes: A Biophysical Approach. Langmuir, 2011, 27, 10847-10858.	1.6	87
11	Changes in Model Lung Surfactant Monolayers Induced by Palmitic Acid. Langmuir, 2001, 17, 4641-4648.	1.6	83
12	Binding of Nonsteroidal Anti-inflammatory Drugs to DPPC:â€‰ Structure and Thermodynamic Aspects. Langmuir, 2008, 24, 4132-4139.	1.6	77
13	Synthesis, calorimetry, and X-ray diffraction of lecithins containing branched fatty acid chains. Chemistry and Physics of Lipids, 1986, 39, 221-236.	1.5	75
14	Polyelectrolyte Coupling to a Charged Lipid Monolayer. Macromolecules, 1997, 30, 2337-2342.	2.2	74
15	Adsorption of Amyloid Beta (1-40) Peptide to Phosphatidylethanolamine Monolayers. ChemPhysChem, 2004, 5, 1185-1190.	1.0	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. Journal of Biological Chemistry, 2007, 282, 14719-14728.	1.6	72
17	Breakdown of the Gouyâˆ’Chapman Model for Highly Charged Langmuir Monolayers:Â Counterion Size Effect. Journal of Physical Chemistry B, 2006, 110, 10032-10040.	1.2	71
18	Molecular Organization of the Tear Fluid Lipid Layer. Biophysical Journal, 2010, 99, 2559-2567.	0.2	67

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19	Elemental Analysis within the Electrical Double Layer Using Total Reflection X-ray Fluorescence Technique. Journal of Physical Chemistry B, 2007, 111, 3927-3934.	1.2	59
20	X-ray investigation of monolayers formed at the soft air/water interface. Current Opinion in Colloid and Interface Science, 2014, 19, 216-227.	3.4	57
21	DNA Alignment at Cationic Lipid Monolayers at the Air/Water Interface. Macromolecules, 2004, 37, 3865-3873.	2.2	56
22	Lipidâ€"Drug Interaction: Biophysical Effects of Tolmetin on Membrane Mimetic Systems of Different Dimensionality. Journal of Physical Chemistry B, 2011, 115, 12615-12623.	1.2	52
23	Ionization State and Structure ofl-1,2-Dipalmitoylphosphatidylglycerol Monolayers at the Liquid/Air Interface. Journal of Physical Chemistry B, 2006, 110, 919-926.	1.2	51
24	Photosensitive surfactants: Micellization and interaction with DNA. Journal of Chemical Physics, 2014, 140, 044906.	1.2	50
25	Dipalmitoyl-Phosphatidylcholine/Phospholipase D Interactions Investigated with Polarization-Modulated Infrared Reflection Absorption Spectroscopy. Biophysical Journal, 2001, 80, 749-754.	0.2	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>. Biochemical Journal, 2010, 427, 477-488.	1.7	48
27	Domain formation in monolayers. Molecular Membrane Biology, 1995, 12, 29-38.	2.0	47
28	Influence of Pulmonary Surfactant Protein B on Model Lung Surfactant Monolayers. Langmuir, 2002, 18, 2319-2325.	1.6	47
29	The protective effect of free and membrane-bound cryoprotectants during freezing and freeze-drying of liposomes. Journal of Controlled Release, 1994, 30, 105-116.	4.8	45
30	Dynamic Observations of the Hydrolysis of a DPPC Monolayer at the Air/Water Interface Catalyzed by Phospholipaseâ€…A2. Angewandte Chemie - International Edition, 2000, 39, 3059-3062.	7.2	43
31	Interactions of a Fungistatic Antibiotic, Griseofulvin, with Phospholipid Monolayers Used as Models of Biological Membranes. Langmuir, 2006, 22, 7701-7711.	1.6	43
32	Controlling Amyloidâ€Î² Peptide(1â€"42) Oligomerization and Toxicity by Fluorinated Nanoparticles. ChemBioChem, 2010, 11, 1905-1913.	1.3	42
33	Synchrotron SAXS and WAXS Study of the Interactions of NSAIDs with Lipid Membranes. Journal of Physical Chemistry B, 2011, 115, 8024-8032.	1.2	42
34	Triggers for Î²-Sheet Formation at the Hydrophobicâ€"Hydrophilic Interface: High Concentration, In-Plane Orientational Order, and Metal Ion Complexation. Langmuir, 2011, 27, 14218-14231.	1.6	42
35	From Langmuir Monolayers to Multilayer Films. Langmuir, 2016, 32, 10445-10458.	1.6	42
36	Lightâ€Induced Water Splitting Causes Highâ€Amplitude Oscillation of pHâ€Sensitive Layerâ€byâ€Layer Assemblies on TiO₂. Angewandte Chemie - International Edition, 2016, 55, 13001-13004.	7.2	42

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37	Characterization of Peptide-Guided Polymer Assembly at the Air/Water Interface. Langmuir, 2008, 24, 3306-3316.	1.6	41
38	Polyoxometalate Surfactants as Unique Molecules for Interfacial Self-Assembly. Journal of Physical Chemistry Letters, 2012, 3, 322-326.	2.1	41
39	Structural Analysis of a Metallosupramolecular Polyelectrolyte-Amphiphile Complex at the Air/Water Interface. Chemistry - A European Journal, 2001, 7, 1646-1651.	1.7	40
40	The impact of lipid composition on the stability of the tear fluid lipid layer. Soft Matter, 2012, 8, 5826.	1.2	40
41	Generic Phase Behavior of Branched-Chain Phospholipid Monolayers. Chemistry - A European Journal, 2002, 8, 3203.	1.7	39
42	Adsorption of Amyloid Î²-Peptide at Polymer Surfaces: A Neutron Reflectivity Study. ChemPhysChem, 2005, 6, 2527-2534.	1.0	39
43	The film tells the story: Physical-chemical characteristics of IgG at the liquid-air interface. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 119, 396-407.	2.0	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. Chemistry and Physics of Lipids, 1988, 48, 245-254.	1.5	37
45	Effect of Sugars and Dimethyl Sulfoxide on the Structure and Phase Behavior of DPPC Monolayers. Langmuir, 2001, 17, 1209-1214.	1.6	37
46	Subgel Phase Structure in Monolayers of Glycosylphosphatidylinositol Glycolipids. Angewandte Chemie - International Edition, 2012, 51, 12874-12878.	7.2	37
47	Interaction between phospholipids and new Gemini catanionic surfactants having anti-HIV activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 228, 3-16.	2.3	36
48	Disorder in Langmuir Monolayers:â€‰ 2. Relation between Disordered Alkyl Chain Packing and the Loss of Long-Range Tilt Orientational Order. Langmuir, 1999, 15, 2901-2910.	1.6	35
49	Adsorption of DNA to zwitterionic DMPE monolayers mediated by magnesium ions. Physical Chemistry Chemical Physics, 2004, 6, 5551.	1.3	35
50	Structural Changes of Phospholipid Monolayers Caused by Coupling of Human Serum Albumin:â€‰ A GIXD Study at the Air/Water Interface. Journal of Physical Chemistry B, 2004, 108, 14171-14177.	1.2	35
51	Modifying Calf Lung Surfactant by Hexadecanol. Langmuir, 2005, 21, 1028-1035.	1.6	35
52	Randomization of Amyloidâ€Î²â€Peptide(1â€42) Conformation by Sulfonated and Sulfated Nanoparticles Reduces Aggregation and Cytotoxicity. Macromolecular Bioscience, 2010, 10, 1152-1163.	2.1	35
53	pHâ€Responsive Selfâ€Organization of Metalâ€Binding Protein Motifs from Biomolecular Junctions in Mussel Byssus. Advanced Materials Interfaces, 2017, 4, 1600416.	1.9	35
54	Grazing incidence X-ray diffraction studies of condensed double-chain phospholipid monolayers formed at the soft air/water interface. Advances in Colloid and Interface Science, 2014, 207, 265-279.	7.0	34

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55	Vesicle Origami and the Influence of Cholesterol on Lipid Packing. Langmuir, 2016, 32, 4896-4903.	1.6	32
56	Influence of Î±-branched fatty acid chains on the thermotropic behaviours of 1-O-acyl-2-O-hexadecyl-glycerophosphocholines. Chemistry and Physics of Lipids, 1987, 43, 257-264.	1.5	31
57	Separation of Enantiomers in a Monolayer of Racemic 3â€Hexadecylâ€oxyâ€propaneâ€1,2â€diol. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1993, 97, 1394-1398.	0.9	31
58	Influence of Surface Properties of Mixed Monolayers on Lipolytic Hydrolysis. Langmuir, 2000, 16, 2779-2788.	1.6	29
59	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.	3.2	29
60	Mixed DPPC/DPTAP Monolayers at the Air/Water Interface: Influence of Indolilo-3-acetic Acid and Selenate Ions on the Monolayer Morphology. Langmuir, 2011, 27, 10886-10893.	1.6	29
61	Vesicle Origami: Cuboid Phospholipid Vesicles Formed by Templateâ€Free Selfâ€Assembly. Angewandte Chemie - International Edition, 2017, 56, 6515-6518.	7.2	29
62	Polymer-capped magnetite nanoparticles change the 2D structure of DPPC model membranes. Soft Matter, 2012, 8, 7952.	1.2	28
63	Investigation of the Protonation State of Novel Cationic Lipids Designed for Gene Transfection. Journal of Physical Chemistry B, 2007, 111, 13845-13850.	1.2	27
64	Impact of the long chain Ï‰-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. Chemistry and Physics of Lipids, 2010, 163, 42-50.	1.5	27
65	Headgroup-Ordered Monolayers of Uncharged Glycolipids Exhibit Selective Interactions with Ions. Journal of Physical Chemistry Letters, 2019, 10, 1684-1690.	2.1	27
66	Hexagonal Columnar.<i>cis, cis</i>-(3,5-dihydroxycyclohexyl)-3,4,5-tris(alkoxy)benzoates Thermal behaviour and water absorption. Liquid Crystals, 1991, 10, 169-183.	0.9	26
67	Miscibility of DPPC and DPPA in monolayers at the air/water interface. Chemistry and Physics of Lipids, 2004, 131, 71-80.	1.5	26
68	Langmuir and Langmuir-Blodgett Films of Metallosupramolecular Polyelectrolyte-Amphiphile Complexes. Langmuir, 2005, 21, 5901-5906.	1.6	26
69	Modifying dipalmitoylphosphatidylcholine monolayers by n-hexadecanol and dipalmitoylglycerol. Chemistry and Physics of Lipids, 2007, 145, 119-127.	1.5	26
70	Novel Cationic Lipids Based on Malonic Acid Amides Backbone: Transfection Efficacy and Cell Toxicity Properties. Bioconjugate Chemistry, 2010, 21, 696-708.	1.8	26
71	Effects of non-steroidal anti-inflammatory drugs on the structure of lipid bilayers: therapeutical aspects. Soft Matter, 2011, 7, 3002.	1.2	26
72	Bilayer Properties of 1,3-Diamidophospholipids. Langmuir, 2015, 31, 1879-1884.	1.6	26

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73	Structure features and phase behaviour of amphiphilic N-tetradecyl-Î²-hydroxy-propionic acid amide monolayers. Supramolecular Science, 1997, 4, 391-397.	0.7	25
74	Biocompatible Magnetite Nanoparticles Trapped at the Air/Water Interface. ChemPhysChem, 2010, 11, 3585-3588.	1.0	25
75	The Influence of Rifabutin on Human and Bacterial Membrane Models: Implications for Its Mechanism of Action. Journal of Physical Chemistry B, 2013, 117, 6187-6193.	1.2	25
76	In-Plane Structures of Synthetic Oligolactose Lipid Monolayers-Impact of Saccharide Chain Length. ChemPhysChem, 2003, 4, 1316-1322.	1.0	24
77	Penetration of the Antimicrobial Peptide Dicynthaurin into Phospholipid Monolayers at the Liquidâ€"Air Interface. ChemBioChem, 2007, 8, 1038-1047.	1.3	24
78	Physicalâ€"Chemical Properties and Transfection Activity of Cationic Lipid/DNA Complexes. ChemPhysChem, 2009, 10, 2471-2479.	1.0	24
79	The energy-dispersive reflectometer/diffractometer at BESSY-I. Measurement Science and Technology, 1999, 10, 354-361.	1.4	23
80	Hydrolysis Reaction Analysis ofl-Î±-Distearoylphosphatidylcholine Monolayer Catalyzed by Phospholipase A2with Polarization-Modulated Infrared Reflection Absorption Spectroscopy. Langmuir, 2005, 21, 1051-1054.	1.6	23
81	Structure of the Langmuir Monolayers with Fluorinated Ethyl Amide and Ethyl Ester Polar Heads Creating Dipole Potentials of Opposite Sign. Langmuir, 2008, 24, 8001-8007.	1.6	23
82	Crystalline Amyloid Structures at Interfaces. Angewandte Chemie - International Edition, 2009, 48, 5005-5009.	7.2	23
83	Incorporation of mRNA in Lamellar Lipid Matrices for Parenteral Administration. Molecular Pharmaceutics, 2018, 15, 642-651.	2.3	23
84	Thermodynamics and Structures of Amide Phospholipid Monolayers. Journal of Physical Chemistry B, 2004, 108, 13475-13480.	1.2	22
85	Interfacial properties and structural analysis of the antimicrobial peptide NKâ€2. Journal of Peptide Science, 2008, 14, 510-517.	0.8	22
86	Physicalâ€"chemical characterization of novel cationic transfection lipids and the binding of model DNA at the airâ€"water interface. Soft Matter, 2011, 7, 10162.	1.2	22
87	CaCO₃ Mineralization under Î²-Sheet Forming Peptide Monolayers. Crystal Growth and Design, 2012, 12, 2299-2305.	1.4	22
88	Structure of octadecanol monolayers: An x-ray diffraction study. Journal of Chemical Physics, 1998, 109, 2006-2010.	1.2	21
89	Influence of model membrane structure on phospholipase D activity. Physical Chemistry Chemical Physics, 2000, 2, 4600-4604.	1.3	21
90	Langmuir and Gibbs Magnetite NP Layers at the Air/Water Interface. Langmuir, 2011, 27, 1192-1199.	1.6	21

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91	Conformational induced behaviour of copolymer-capped magnetite nanoparticles at the air/water interface. Soft Matter, 2011, 7, 4267.	1.2	21
92	Peptideâ€“surfactant interactions: Consequences for the amyloid-beta structure. Biochemical and Biophysical Research Communications, 2012, 420, 136-140.	1.0	21
93	Physicochemical Investigation of a Lipid with a New Core Structure for Gene Transfection:Â 2-Amino-3-hexadecyloxy-2-(hexadecyloxymethyl)propan-1-ol. Langmuir, 2007, 23, 3919-3926.	1.6	20
94	Do unsaturated phosphoinositides mix with ordered phosphadidylcholine model membranes?. Journal of Lipid Research, 2008, 49, 1918-1925.	2.0	20
95	The formation of lipid bilayers on surfaces. Colloids and Surfaces B: Biointerfaces, 2009, 74, 477-483.	2.5	20
96	Chiral Textures inside 2D Achiral Domains. Journal of the American Chemical Society, 2011, 133, 19028-19031.	6.6	20
97	Monolayer Properties of 1,3-Diamidophospholipids. Langmuir, 2013, 29, 9428-9435.	1.6	20
98	Amphiphilic Cationic Î²3R3-Peptides: Membrane Active Peptidomimetics and Their Potential as Antimicrobial Agents. Biomacromolecules, 2014, 15, 1687-1695.	2.6	20
99	Influence of Î±-branched fatty acid chains on the thermotropic behaviour of racemic 1-O-hexadecyl-2-acyl-glycero-3phosphocholines. Chemistry and Physics of Lipids, 1995, 75, 81-91.	1.5	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. ChemBioChem, 2003, 4, 299-305.	1.3	19
101	Evidence for a Reverse U-Shaped Conformation of Single-Chain Bolaamphiphiles at the Airâˆ'Water Interface. Langmuir, 2007, 23, 6063-6069.	1.6	19
102	Liquidâ€“liquid immiscibility in model membranes activates secretory phospholipase A2. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 166-174.	1.4	19
103	Use of Total Reflection X-ray Fluorescence (TRXF) for the Quantification of DNA Binding to Lipid Monolayers at the Airâˆ'Water Interface. Langmuir, 2010, 26, 14766-14773.	1.6	19
104	Structureâ€“Function Relationships of New Lipids Designed for DNA Transfection. ChemPhysChem, 2011, 12, 2328-2337.	1.0	19
105	On the Interaction between Digitonin and Cholesterol in Langmuir Monolayers. Langmuir, 2016, 32, 9064-9073.	1.6	19
106	Non-ionic surfactants as innovative skin penetration enhancers: insight in the mechanism of interaction with simple 2D stratum corneum model system. European Journal of Pharmaceutical Sciences, 2021, 157, 105620.	1.9	19
107	Separation of enantiomers in a diol monolayer studied by fluorescence microscopy and grazing incidence X-ray diffraction. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 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. Biophysical Journal, 2007, 93, 2373-2383.	0.2	18

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109	Rigid Urea and Self-Healing Thiourea Ethanolamine Monolayers. Langmuir, 2015, 31, 1296-1302.	1.6	18
110	Composites of malonic acid diamides and phospholipids â€" Impact of lipoplex stability on transfection efficiency. Journal of Controlled Release, 2015, 220, 295-307.	4.8	18
111	Immobilization of 2-Deoxy-<scp>d</scp>-ribose-5-phosphate Aldolase in Polymeric Thin Films via the Langmuirâ€"Schaefer Technique. ACS Applied Materials & Interfaces, 2017, 9, 8317-8326.	4.0	18
112	Investigating Ions at Amphiphilic Monolayers with X-ray Fluorescence. Langmuir, 2019, 35, 8531-8542.	1.6	18
113	Influence of side-chain length on phospholipid ordering in two dimensions. Chemistry and Physics of Lipids, 1998, 94, 251-260.	1.5	17
114	Impact of Aluminum on the Oxidation of Lipids and Enzymatic Lipolysis in Monomolecular Films at the Air/Water Interface. Langmuir, 2007, 23, 3338-3348.	1.6	17
115	Influence of Cadmium and Selenate on the Interactions between Hormones and Phospholipids. Langmuir, 2009, 25, 13071-13076.	1.6	17
116	Control of the Lateral Organization in Langmuir Monolayers via Molecular Aggregation of Dyes. Journal of Physical Chemistry C, 2010, 114, 16685-16695.	1.5	17
117	Stimuli-Responsive Magnetite Nanoparticle Monolayers. Journal of Physical Chemistry C, 2011, 115, 5478-5484.	1.5	17
118	Modeling the influence of adsorbed DNA on the lateral pressure and tilt transition of a zwitterionic lipid monolayer. Physical Chemistry Chemical Physics, 2012, 14, 10613.	1.3	17
119	Surface activity and structures of two fragments of the human antimicrobial LL-37. Colloids and Surfaces B: Biointerfaces, 2013, 109, 129-135.	2.5	17
120	Composites of malonic acid diamides and phospholipids - Structural parameters for optimal transfection efficiency in A549 cells. European Journal of Lipid Science and Technology, 2014, 116, 1184-1194.	1.0	17
121	Malonic acid based cationic lipids â€" The way to highly efficient DNA-carriers. Advances in Colloid and Interface Science, 2017, 248, 20-34.	7.0	17
122	Phase Transitions and Structures in Monolayers of Water Soluble and Insoluble Amphiphilic Acid Amides. Chemical Engineering and Technology, 1998, 21, 44-48.	0.9	16
123	Investigations of Lipid-Protein Interactions on Monolayers of Chain-Substituted Phosphatidylcholines. Angewandte Chemie - International Edition, 2000, 39, 2775-2778.	7.2	16
124	Unconventional Air-Stable Interdigitated Bilayer Formed by 2,3-Disubstituted Fatty Acid Methyl Esters. Journal of Physical Chemistry B, 2005, 109, 19866-19875.	1.2	16
125	Adsorption of the antimicrobial peptide arenicin and its linear derivative to model membranes â€" A maximum insertion pressure study. Chemistry and Physics of Lipids, 2013, 167-168, 43-50.	1.5	16
126	From Two-Dimensional to Three-Dimensional at the Air/Water Interface: The Self-Aggregation of the Acridine Dye in Mixed Monolayers. Langmuir, 2013, 29, 4796-4805.	1.6	16

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127	Interaction of DNA with Cationic Lipid Mixturesâ€"Investigation at Langmuir Lipid Monolayers. Langmuir, 2017, 33, 10172-10183.	1.6	16
128	Impact of formulation pH on physicochemical protein characteristics at the liquid-air interface. International Journal of Pharmaceutics, 2018, 541, 234-245.	2.6	16
129	Phospholipid and Protein Monolayers. Japanese Journal of Applied Physics, 1995, 34, 3906-3913.	0.8	15
130	Model Studies of the Interfacial Ordering of Oleanolic Acid in the Cuticula. ChemPhysChem, 2008, 9, 1670-1672.	1.0	15
131	Monolayer Characteristics of 1-Monostearoyl-<i>rac</i>-glycerol at the Airâ€"Water Interface. Journal of Physical Chemistry C, 2015, 119, 9934-9946.	1.5	15
132	Structures of malonic acid diamide/phospholipid composites and their lipoplexes. Soft Matter, 2016, 12, 5854-5866.	1.2	15
133	Hydration properties of N-(Î±-hydroxyacyl)-sphingosine: X-ray powder diffraction and FTâ€"Raman spectroscopic studies. Chemistry and Physics of Lipids, 2005, 136, 13-22.	1.5	14
134	Molecular mechanisms of phosphatidylcholine monolayer solidification due to hydroxyl radicals. Soft Matter, 2011, 7, 6467.	1.2	14
135	Langmuir Monolayers of an Inclusion Complex Formed by a New Calixarene Derivative and Fullerene. Langmuir, 2012, 28, 12114-12121.	1.6	14
136	Investigation of Binary Lipid Mixtures of a Three-Chain Cationic Lipid with Phospholipids Suitable for Gene Delivery. Bioconjugate Chemistry, 2015, 26, 2461-2473.	1.8	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. European Journal of Pharmaceutical Sciences, 2017, 99, 161-172.	1.9	14
138	Correlation of surface pressure and hue of planarizable pushâ€"pull chromophores at the air/water interface. Beilstein Journal of Organic Chemistry, 2017, 13, 1099-1105.	1.3	14
139	Properties of unusual phospholipids: I. Synthesis, monolayer investigations and calorimetry of diacylglycerophosphocholines containing monoacetylenic acyl chains. Chemistry and Physics of Lipids, 1994, 70, 187-198.	1.5	13
140	Condensed phases in monolayers of a triple-chain lecithin on water. Physica B: Condensed Matter, 1994, 198, 146-149.	1.3	13
141	Convex-concave curvatures in bilayers of dipalmitoylphosphatidylcholine and cholesterol induced by amphotericin B/deoxycholate after prolonged storage. Biochimica Et Biophysica Acta - Biomembranes, 1994, 1190, 9-19.	1.4	13
142	Grazing Incidence Diffraction and Brewster-Angle Microscope Studies of Mixtures of Hexadecanoic Acid and Methyl Hexadecanoate:â€‰ The Unexpected Appearance of a Phase with Nearest-Neighbor Tilt. Journal of Physical Chemistry B, 2000, 104, 10053-10058.	1.2	13
143	Stepwise Collapse of Cyclolinear Polysiloxane Langmuir Monolayers Studied by Brewster Angle Microscopy and Grazing Incidence X-ray Diffraction. Macromolecules, 2004, 37, 4872-4881.	2.2	13
144	The Conformation of B18 Peptide in the Presence of Fluorinated and Alkylated Nanoparticles. ChemBioChem, 2005, 6, 280-283.	1.3	13

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145	Electrostatic interactions between polyelectrolyte and amphiphiles in two- and three-dimensional systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 79-88.	2.3	13
146	A biophysical approach to phospholipase A2 activity and inhibition by anti-inflammatory drugs. Biophysical Chemistry, 2010, 152, 109-117.	1.5	13
147	Conformational Properties of Arenicins: From the Bulk to the Airâ€“Water Interface. ChemPhysChem, 2010, 11, 3262-3268.	1.0	13
148	Lipid ordering in planar 2D and 3D model membranes. Soft Matter, 2013, 9, 9440.	1.2	13
149	Hydrogen-Bond-Induced Chiral Discrimination in Monolayers of Bipolar Methyl Dihydroxyoctadecanoatesâ€,â€¡,Â§. Langmuir, 2000, 16, 8937-8945.	1.6	12
150	Physical study of the arrangement of pure catanionic glycolipids and interaction with phospholipids, in support of the optimisation of anti-HIV therapies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 55-72.	2.3	12
151	Adsorption of Amyloid Î² (1-40) Peptide at Liquid Interfaces. Zeitschrift Fur Physikalische Chemie, 2007, 221, 95-111.	1.4	12
152	Is the Viscoelasticity of Alzheimerâ€™s AÎ²42 Peptide Oligomers a General Property of Protein Oligomers Related to Their Toxicity?. Langmuir, 2010, 26, 12060-12067.	1.6	12
153	Synthesis and DNA transfection properties of new head group modified malonic acid diamides. International Journal of Pharmaceutics, 2011, 409, 46-56.	2.6	12
154	Influence of Arenicin on Phase Transitions and Ordering of Lipids in 2D Model Membranes. Langmuir, 2013, 29, 12203-12211.	1.6	12
155	Langmuir Monolayers of Monocationic Lipid Mixed with Cholesterol or Fluorocholesterol: DNA Adsorption Studies. Langmuir, 2013, 29, 1920-1925.	1.6	12
156	The Directional Observation of Highly Dynamic Membrane Tubule Formation Induced by Engulfed Liposomes. Scientific Reports, 2015, 5, 16559.	1.6	12
157	Interface-controlled calcium phosphate mineralization: effect of oligo(aspartic acid)-rich interfaces. CrystEngComm, 2015, 17, 6901-6913.	1.3	12
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