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	Cerosomes as skin repairing agent: Mode of action studies with a model stratum corneum layer at liquid/air and liquid/solid interfaces. BBA Advances, 2022, 2, 100039.	0.7	7
2	Phase behavior and miscibility in lipid monolayers containing glycolipids. Journal of Colloid and Interface Science, 2022, 615, 786-796.	5.0	11
3	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
4	Zwitterionic Character and Lipid Composition Determine the Behaviour of Glycosylphosphatidylinositol Fragments in Monolayers. ChemPhysChem, 2021, 22, 757-763.	1.0	1
5	Two- and Three-Dimensional Physicalâ€"Chemical Characterization of CER[AP]: A Study of Stereochemistry and Chain Symmetry. Journal of Physical Chemistry B, 2021, 125, 9960-9969.	1.2	2
6	Thermodynamic and Structural Behavior of Î±â€Galactosylceramide and C6â€Functionalized Î±â€GalCer in 2D Layers at the Airâ€"Liquid Interface. ChemBioChem, 2020, 21, 241-247.	1.3	2
7	A triple chain polycationic peptide-mimicking amphiphile â€" efficient DNA-transfer without co-lipids. Biomaterials Science, 2020, 8, 232-249.	2.6	3
8	Amphiphilic Functionalized Oligomers: A Promising Strategy for the Postfabrication Functionalization of Liposomes. Advanced Materials Interfaces, 2020, 7, 2001168.	1.9	5
9	Tuning the Thickness of a Biomembrane by Stapling Diamidophospholipids with Bolalipids. Langmuir, 2020, 36, 8610-8616.	1.6	2
10	The Impact of Alkylâ€Chain Purity on Lipidâ€Based Nucleic Acid Delivery Systems â€" Is the Utilization of Lipid Components with Technical Grade Justified?. ChemPhysChem, 2019, 20, 2110-2121.	1.0	4
11	Relationship between structure and molecular interactions in monolayers of specially designed aminolipids. Nanoscale Advances, 2019, 1, 3529-3536.	2.2	4
12	Enhanced chain packing achieved via putative headgroup ion-triplet formation in binary anionic lipid/cationic surfactant mixed monolayers. Chemistry and Physics of Lipids, 2019, 225, 104827.	1.5	4
13	The Influence of Calcium Traces in Ultrapure Water on the Lateral Organization in Tetramyristoyl Cardiolipin Monolayers. ChemPhysChem, 2019, 20, 1521-1526.	1.0	6
14	Modification of Gibbs monolayers by chromium (III) compounds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 576, 29-35.	2.3	3
15	Headgroup-Ordered Monolayers of Uncharged Glycolipids Exhibit Selective Interactions with Ions. Journal of Physical Chemistry Letters, 2019, 10, 1684-1690.	2.1	27
16	Investigating Ions at Amphiphilic Monolayers with X-ray Fluorescence. Langmuir, 2019, 35, 8531-8542.	1.6	18
17	DNA Delivery Systems Based on Peptide-Mimicking Cationic Lipidsâ€"The Effect of the Co-Lipid on the Structure and DNA Binding Capacity. Langmuir, 2019, 35, 4613-4625.	1.6	12
18	Lysine-based amino-functionalized lipids for gene transfection: the influence of the chain composition on 2D properties. Physical Chemistry Chemical Physics, 2018, 20, 6936-6944.	1.3	9

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19	Impact of formulation pH on physicochemical protein characteristics at the liquid-air interface. International Journal of Pharmaceutics, 2018, 541, 234-245.	2.6	16
20	Synthesis and Biophysical Characterization of an Odd-Numbered 1,3-Diamidophospholipid. Langmuir, 2018, 34, 3215-3220.	1.6	8
21	Against the rules: pressure induced transition from high to reduced order. Soft Matter, 2018, 14, 3978-3986.	1.2	4
22	Incorporation of mRNA in Lamellar Lipid Matrices for Parenteral Administration. Molecular Pharmaceutics, 2018, 15, 642-651.	2.3	23
23	Interactions of Cationic Lipids with DNA: A Structural Approach. Langmuir, 2018, 34, 14858-14868.	1.6	8
24	Lysine-based amino-functionalized lipids for gene transfection: 3D phase behaviour and transfection performance. Physical Chemistry Chemical Physics, 2018, 20, 17393-17405.	1.3	9
25	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
26	A Dendritic Amphiphile for Efficient Control of Biomimetic Calcium Phosphate Mineralization. Macromolecular Bioscience, 2017, 17, 1600524.	2.1	5
27	Vesicle Origami: Cuboid Phospholipid Vesicles Formed by Templateâ€Free Selfâ€Assembly. Angewandte Chemie, 2017, 129, 6615-6618.	1.6	5
28	Vesicle Origami: Cuboid Phospholipid Vesicles Formed by Templateâ€Free Selfâ€Assembly. Angewandte Chemie - International Edition, 2017, 56, 6515-6518.	7.2	29
29	The interaction of antimicrobial peptides with membranes. Advances in Colloid and Interface Science, 2017, 247, 521-532.	7.0	134
30	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
31	Cholesteryl Hemisuccinate Monolayers Efficiently Control Calcium Phosphate Nucleation and Growth. Crystal Growth and Design, 2017, 17, 5764-5774.	1.4	4
32	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
33	Interaction of DNA with Cationic Lipid Mixturesâ€"Investigation at Langmuir Lipid Monolayers. Langmuir, 2017, 33, 10172-10183.	1.6	16
34	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
35	Lysine-based amino-functionalized lipids for gene transfection: the protonation state in monolayers at the airâ€“liquid interface. Physical Chemistry Chemical Physics, 2017, 19, 20271-20280.	1.3	11
36	pHâ€Responsive Selfâ€Organization of Metalâ€Binding Protein Motifs from Biomolecular Junctions in Mussel Byssus. Advanced Materials Interfaces, 2017, 4, 1600416.	1.9	35

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37	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
38	Influence of calcium on ceramide-1-phosphate monolayers. Beilstein Journal of Nanotechnology, 2016, 7, 236-245.	1.5	3
39	Role of counter-ion and helper lipid content in the design and properties of nanocarrier systems: a biophysical study in 2D and 3D lipid assemblies. RSC Advances, 2016, 6, 47730-47740.	1.7	7
40	Impact of Structural Differences in Galactocerebrosides on the Behavior of 2D Monolayers. Langmuir, 2016, 32, 2436-2444.	1.6	11
41	Membrane binding of peptide models for early stages of amyloid formation: Lipid packing counts more than charge. Chemistry and Physics of Lipids, 2016, 198, 28-38.	1.5	5
42	Vesicle Origami and the Influence of Cholesterol on Lipid Packing. Langmuir, 2016, 32, 4896-4903.	1.6	32
43	Self-assembly of lipid domains in the extracellular leaflet of the plasma membrane and models thereof. Current Opinion in Colloid and Interface Science, 2016, 22, 65-72.	3.4	8
44	From Langmuir Monolayers to Multilayer Films. Langmuir, 2016, 32, 10445-10458.	1.6	42
45	On the Interaction between Digitonin and Cholesterol in Langmuir Monolayers. Langmuir, 2016, 32, 9064-9073.	1.6	19
46	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
47	Preparation of Carbon Nanosheets at Room Temperature. Journal of Visualized Experiments, 2016, , .	0.2	0
48	The study of the formation of monolayers of quantum dots at different temperatures. Proceedings of SPIE, 2016, , .	0.8	2
49	Structures of malonic acid diamide/phospholipid composites and their lipoplexes. Soft Matter, 2016, 12, 5854-5866.	1.2	15
50	Interactions of Two Fragments of the Human Antimicrobial Peptide LL-37 with Zwitterionic and Anionic Lipid Monolayers. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1141-1159.	1.4	3
51	The Directional Observation of Highly Dynamic Membrane Tubule Formation Induced by Engulfed Liposomes. Scientific Reports, 2015, 5, 16559.	1.6	12
52	Lamellar versus Micellar Structuresâ€"Aggregation Behavior of a Threeâ€Chain Cationic Lipid Designed for Nonviral Polynucleotide Transfer. ChemPhysChem, 2015, 16, 2115-2126.	1.0	11
53	Lamellar versus Micellar Structuresâ€"Aggregation Behavior of a Threeâ€Chain Cationic Lipid Designed for Nonviral Polynucleotide Transfer. ChemPhysChem, 2015, 16, 2029-2029.	1.0	0
54	Selfâ€Assembly Mechanism of Nanoparticles of Niâ€Based Prussian Blue Analogues at the Air/Liquid Interface: A Synchrotron Xâ€ray Reflectivity Study. ChemPhysChem, 2015, 16, 2549-2555.	1.0	2

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55	Rigid Urea and Self-Healing Thiourea Ethanolamine Monolayers. Langmuir, 2015, 31, 1296-1302.	1.6	18
56	Bilayer Properties of 1,3-Diamidophospholipids. Langmuir, 2015, 31, 1879-1884.	1.6	26
57	Monolayer Characteristics of 1-Monostearoyl-rac-glycerol at the Airâ€"Water Interface. Journal of Physical Chemistry C, 2015, 119, 9934-9946.	1.5	15
58	Interface-controlled calcium phosphate mineralization: effect of oligo(aspartic acid)-rich interfaces. CrystEngComm, 2015, 17, 6901-6913.	1.3	12
59	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
60	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
61	Structural Characterization of Self-Organized Mono- and Multilayers of Poly[bis(2,2,3,3-tetrafluoropropoxy)phosphazene] at the Air/Water Interface. Macromolecules, 2015, 48, 3327-3336.	2.2	7
62	Synthesis and study of the complex formation of a cationic alkyl-chain bola amino alcohol with DNA: in vitro transfection efficiency. Colloid and Polymer Science, 2015, 293, 3167-3175.	1.0	7
63	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
64	Photosensitive surfactants: Micellization and interaction with DNA. Journal of Chemical Physics, 2014, 140, 044906.	1.2	50
65	Langmuir monolayers as models to study processes at membrane surfaces. Advances in Colloid and Interface Science, 2014, 208, 197-213.	7.0	190
66	Functional carbon nanosheets prepared from hexayne amphiphile monolayers at room temperature. Nature Chemistry, 2014, 6, 468-476.	6.6	97
67	Langmuir monolayers as unique physical models. Current Opinion in Colloid and Interface Science, 2014, 19, 176-182.	3.4	118
68	Phase Behavior and Molecular Packing of Octadecyl Phenols and their Methyl Ethers at the Air/Water Interface. Langmuir, 2014, 30, 5780-5789.	1.6	11
69	New Micellar Transfection Agents. Langmuir, 2014, 30, 4905-4915.	1.6	9
70	Amphiphilic Cationic Î²3R3-Peptides: Membrane Active Peptidomimetics and Their Potential as Antimicrobial Agents. Biomacromolecules, 2014, 15, 1687-1695.	2.6	20
71	Phase behavior of selected artificial lipids. Current Opinion in Colloid and Interface Science, 2014, 19, 17-24.	3.4	11
72	Versatility of a Glycosylphosphatidylinositol Fragment in Forming Highly Ordered Polymorphs. Langmuir, 2014, 30, 5185-5192.	1.6	6

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73	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
74	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
75	Peptide p160â€Coated Silica Nanoparticles Applied in Photodynamic Therapy. Chemistry - an Asian Journal, 2014, 9, 2126-2131.	1.7	9
76	Î²3R3-Peptides: design and synthesis of novel peptidomimetics and their self-assembling properties at the airâ€“water interface. Organic and Biomolecular Chemistry, 2013, 11, 5399.	1.5	11
77	Design of NKâ€²â€derived peptides with improved activity against equine sarcoid cells. Journal of Peptide Science, 2013, 19, 619-628.	0.8	4
78	Lipid ordering in planar 2D and 3D model membranes. Soft Matter, 2013, 9, 9440.	1.2	13
79	Interactions of Nâ€²-acetyl-rifabutin and Nâ€²-butanoyl-rifabutin with lipid bilayers: A synchrotron X-ray study. International Journal of Pharmaceutics, 2013, 453, 560-568.	2.6	5
80	Influence of Arenicin on Phase Transitions and Ordering of Lipids in 2D Model Membranes. Langmuir, 2013, 29, 12203-12211.	1.6	12
81	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
82	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
83	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
84	Langmuir Monolayers of Monocationic Lipid Mixed with Cholesterol or Fluorocholesterol: DNA Adsorption Studies. Langmuir, 2013, 29, 1920-1925.	1.6	12
85	Monolayer Properties of 1,3-Diamidophospholipids. Langmuir, 2013, 29, 9428-9435.	1.6	20
86	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
87	Evaluation of the Structureâ€“Activity Relationship of Rifabutin and Analogs: A Drugâ€“Membrane Study. ChemPhysChem, 2013, 14, 2808-2816.	1.0	11
88	Effect of SDS and CTAB on Derivatives of Antimicrobial Peptides Arenicin and LL-37. Chemistry Letters, 2012, 41, 1178-1180.	0.7	2
89	Interplay of Hydrophobic and Hydrophilic Interactions in a Mixed Polyoxometalate/Organic Langmuir Monolayer. Chemistry Letters, 2012, 41, 1185-1187.	0.7	0
90	Subgel Phase Structure in Monolayers of Glycosylphosphatidylinositol Glycolipids. Angewandte Chemie - International Edition, 2012, 51, 12874-12878.	7.2	37

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91	The impact of lipid composition on the stability of the tear fluid lipid layer. Soft Matter, 2012, 8, 5826.	1.2	40
92	CaCO₃ Mineralization under Î²-Sheet Forming Peptide Monolayers. Crystal Growth and Design, 2012, 12, 2299-2305.	1.4	22
93	Tuning of the Hydrophobic and Hydrophilic Interactions in 2D Chiral Domains. Journal of Physical Chemistry C, 2012, 116, 19925-19933.	1.5	5
94	Peptideâ€"surfactant interactions: Consequences for the amyloid-beta structure. Biochemical and Biophysical Research Communications, 2012, 420, 136-140.	1.0	21
95	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
96	Langmuir Monolayers of an Inclusion Complex Formed by a New Calixarene Derivative and Fullerene. Langmuir, 2012, 28, 12114-12121.	1.6	14
97	Polyoxometalate Surfactants as Unique Molecules for Interfacial Self-Assembly. Journal of Physical Chemistry Letters, 2012, 3, 322-326.	2.1	41
98	Polymer-capped magnetite nanoparticles change the 2D structure of DPPC model membranes. Soft Matter, 2012, 8, 7952.	1.2	28
99	Mechanism of Action of Cyclic Oligosquaramides on DPPC Phospholipid Monolayers. ChemPhysChem, 2012, 13, 453-458.	1.0	6
100	Chiral Textures inside 2D Achiral Domains. Journal of the American Chemical Society, 2011, 133, 19028-19031.	6.6	20
101	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
102	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
103	NSAIDs Interactions with Membranes: A Biophysical Approach. Langmuir, 2011, 27, 10847-10858.	1.6	87
104	The Effect of the Reduction of the Available Surface Area on the Hemicyanine Aggregation in Laterally Organized Langmuir Monolayers. Journal of Physical Chemistry C, 2011, 115, 9059-9067.	1.5	9
105	Stimuli-Responsive Magnetite Nanoparticle Monolayers. Journal of Physical Chemistry C, 2011, 115, 5478-5484.	1.5	17
106	Effects of non-steroidal anti-inflammatory drugs on the structure of lipid bilayers: therapeutical aspects. Soft Matter, 2011, 7, 3002.	1.2	26
107	Langmuir and Gibbs Magnetite NP Layers at the Air/Water Interface. Langmuir, 2011, 27, 1192-1199.	1.6	21
108	Conformational induced behaviour of copolymer-capped magnetite nanoparticles at the air/water interface. Soft Matter, 2011, 7, 4267.	1.2	21

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109	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
110	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
111	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
112	Structureâ€“Function Relationships of New Lipids Designed for DNA Transfection. ChemPhysChem, 2011, 12, 2328-2337.	1.0	19
113	Amyloidogenic Peptides at Hydrophobicâ€“Hydrophilic Interfaces: Coordination Affinities and the Chelate Effect Dictate the Competitive Binding of Cu²⁺ and Zn²⁺. ChemPhysChem, 2011, 12, 2225-2229.	1.0	10
114	Synthesis and DNA transfection properties of new head group modified malonic acid diamides. International Journal of Pharmaceutics, 2011, 409, 46-56.	2.6	12
115	Molecular mechanisms of phosphatidylcholine monolayer solidification due to hydroxyl radicals. Soft Matter, 2011, 7, 6467.	1.2	14
116	Lipopolysaccharide interaction is decisive for the activity of the antimicrobial peptide NK-2 againstEscherichia coliandProteus mirabilis. Biochemical Journal, 2010, 427, 477-488.	1.7	48
117	Novel Cationic Lipids Based on Malonic Acid Amides Backbone: Transfection Efficacy and Cell Toxicity Properties. Bioconjugate Chemistry, 2010, 21, 696-708.	1.8	26
118	A biophysical approach to phospholipase A2 activity and inhibition by anti-inflammatory drugs. Biophysical Chemistry, 2010, 152, 109-117.	1.5	13
119	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
120	Conformational Properties of Arenicins: From the Bulk to the Airâ€“Water Interface. ChemPhysChem, 2010, 11, 3262-3268.	1.0	13
121	Biocompatible Magnetite Nanoparticles Trapped at the Air/Water Interface. ChemPhysChem, 2010, 11, 3585-3588.	1.0	25
122	Controlling Amyloidâ€Î² Peptide(1â€“42) Oligomerization and Toxicity by Fluorinated Nanoparticles. ChemBioChem, 2010, 11, 1905-1913.	1.3	42
123	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
124	The influence of hydrophilic spacers on the phase behavior of ether lipids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 106-112.	2.3	0
125	Use of Total Reflection X-ray Fluorescence (TRXF) for the Quantification of DNA Binding to Lipid Monolayers at the Airâ^'Water Interface. Langmuir, 2010, 26, 14766-14773.	1.6	19
126	Molecular Organization of the Tear Fluid Lipid Layer. Biophysical Journal, 2010, 99, 2559-2567.	0.2	67

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127	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
128	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
129	Physicalâ€“Chemical Properties and Transfection Activity of Cationic Lipid/DNA Complexes. ChemPhysChem, 2009, 10, 2471-2479.	1.0	24
130	Crystalline Amyloid Structures at Interfaces. Angewandte Chemie - International Edition, 2009, 48, 5005-5009.	7.2	23
131	The formation of lipid bilayers on surfaces. Colloids and Surfaces B: Biointerfaces, 2009, 74, 477-483.	2.5	20
132	Influence of Cadmium and Selenate on the Interactions between Hormones and Phospholipids. Langmuir, 2009, 25, 13071-13076.	1.6	17
133	Adsorption of GST-PI3KÎ³ at the Air-Buffer Interface and at Substrate and Nonsubstrate Phospholipid Monolayers. Biophysical Journal, 2009, 96, 1016-1025.	0.2	7
134	The conformation of fusogenic B18 peptide in surfactant solutions. Journal of Peptide Science, 2008, 14, 436-441.	0.8	10
135	Interfacial properties and structural analysis of the antimicrobial peptide NKâ€2. Journal of Peptide Science, 2008, 14, 510-517.	0.8	22
136	Model Studies of the Interfacial Ordering of Oleanolic Acid in the Cuticula. ChemPhysChem, 2008, 9, 1670-1672.	1.0	15
137	Influence of fluorinated and hydrogenated nanoparticles on the structure and fibrillogenesis of amyloid beta-peptide. Biophysical Chemistry, 2008, 137, 35-42.	1.5	106
138	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
139	Liquidâ€“liquid immiscibility in model membranes activates secretory phospholipase A2. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 166-174.	1.4	19
140	Binding of Nonsteroidal Anti-inflammatory Drugs to DPPC:â€‰ Structure and Thermodynamic Aspects. Langmuir, 2008, 24, 4132-4139.	1.6	77
141	Characterization of Peptide-Guided Polymer Assembly at the Air/Water Interface. Langmuir, 2008, 24, 3306-3316.	1.6	41
142	Do unsaturated phosphoinositides mix with ordered phosphadidylcholine model membranes?. Journal of Lipid Research, 2008, 49, 1918-1925.	2.0	20
143	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
144	Temperature-Dependent Change of Packing Structure of Condensed-Phase in a Micro-Phase Separated Langmuir Monolayer Studied by Grazing-Incidence X-ray Diffraction. Journal of Physics: Conference Series, 2007, 83, 012027.	0.3	2

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145	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
146	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
147	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
148	Evidence for a Reverse U-Shaped Conformation of Single-Chain Bolaamphiphiles at the Airâˆ'Water Interface. Langmuir, 2007, 23, 6063-6069.	1.6	19
149	Adsorption of the Fusogenic Peptide B18 onto Solid Surfaces:Â Insights into the Mechanism of Peptide Assembly. Langmuir, 2007, 23, 5022-5028.	1.6	9
150	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
151	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
152	Penetration of the Antimicrobial Peptide Dicynthaurin into Phospholipid Monolayers at the Liquidâ€"Air Interface. ChemBioChem, 2007, 8, 1038-1047.	1.3	24
153	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
154	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
155	Adsorption of Amyloid Î² (1-40) Peptide at Liquid Interfaces. Zeitschrift Fur Physikalische Chemie, 2007, 221, 95-111.	1.4	12
156	Modifying dipalmitoylphosphatidylcholine monolayers by n-hexadecanol and dipalmitoylglycerol. Chemistry and Physics of Lipids, 2007, 145, 119-127.	1.5	26
157	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
158	Characterization of Anomalous Flow and Phase Behavior in a Langmuir Monolayer of 2-Hydroxy-tetracosanoic Acidâ€. Journal of Physical Chemistry B, 2006, 110, 22245-22250.	1.2	0
159	Interactions of a Fungistatic Antibiotic, Griseofulvin, with Phospholipid Monolayers Used as Models of Biological Membranes. Langmuir, 2006, 22, 7701-7711.	1.6	43
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