Dieter Vollhardt

List of Publications by Year
in descending order

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142	4,170	101543	155660
papers	citations	36 h-index	55 g-index

144	144	144	1642
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular area dependences of monolayers at the air/water interface. Jcis Open, 2022, 7, 100057.	3.2	2
2	Influence of Stereochemistry on the Monolayer Characteristics of N-alkanoyl-Substituted Threonine and Serine Amphiphiles at the Airâ€“Water Interface. Langmuir, 2021, 37, 9069-9077.	3.5	3
3	Quantum chemical assessment of the molecular area corresponding to the onset of the LEâ€“LC phase transition for amphiphilic 2D monolayers at the air/water interface. Physical Chemistry Chemical Physics, 2021, 23, 25356-25364.	2.8	2
4	Theoretical Description of Mixed Film Formation at the Air/Water Interface: Carboxylic Acidsâ€“Fatty Amines. Journal of Physical Chemistry C, 2020, 124, 1544-1553.	3.1	3
5	Influence of linkage type (ether or ester) on the monolayer characteristics of single-chain glycerols at the airâ€“water interface. Physical Chemistry Chemical Physics, 2020, 22, 23207-23214.	2.8	2
6	Relationship between the Bulk and Surface Basicity of Aliphatic Amines: A Quantum Chemical Approach. ACS Omega, 2020, 5, 32032-32039.	3.5	10
7	Surface pK_a of Saturated Carboxylic Acids at the Air/Water Interface: A Quantum Chemical Approach. Journal of Physical Chemistry C, 2020, 124, 13809-13818.	3.1	24
8	Lattice and thermodynamic characteristics of N-stearoyl-allo-threonine monolayers. Physical Chemistry Chemical Physics, 2020, 22, 2783-2791.	2.8	2
9	Lattice structures and phase behavior of amphiphilic monoglycerol monolayers. Advances in Colloid and Interface Science, 2019, 273, 102030.	14.7	2
10	Special features of monolayer characteristics of N-alkanoyl substituted threonine amphiphiles. Physical Chemistry Chemical Physics, 2019, 21, 96-103.	2.8	9
11	Quantum-chemical analysis of condensed monolayer phases of N-alkanoyl-substituted alanine at the air/water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 546, 346-359.	4.7	6
12	Theoretical Description of Mixed Film Formation at the Air/Water Interface: Carboxylic Acidsâ€“Alcohols. ACS Omega, 2018, 3, 16693-16705.	3.5	5
13	Mesoscopic characterization of amphiphilic monoglycerol monolayers. Advances in Colloid and Interface Science, 2018, 258, 36-46.	14.7	5
14	Effect of chirality on monoacylglycerol ester monolayer characteristics: 3-monostearoyl-sn-glycerol. Physical Chemistry Chemical Physics, 2017, 19, 7009-7024.	2.8	7
15	Effect of the Alkanoyl Group Position at the Glycerol Backbone on the Monolayer Characteristics Demonstrated by 2-Monopalmitoyl-rac-glycerol. Langmuir, 2017, 33, 12559-12568.	3.5	5
16	Effect of chirality on monoacylglycerol ester monolayer characteristics: 3-Monopalmitoyl- sn -glycerol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 521, 281-293.	4.7	10
17	Phase Characteristics of 1-Monopalmitoyl-rac-glycerol Monolayers at the Air/Water Interface. Langmuir, 2016, 32, 7316-7325.	3.5	13
18	Quantum chemical clarification of the alkyl chain length threshold of nonionic surfactants for monolayer formation at the air/water interface. Physical Chemistry Chemical Physics, 2016, 18, 7932-7937.	2.8	1

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19	Synchrotron-Based X-ray Methods as Powerful Tools for the Characterization of Monolayers at the Air/Liquid Interface. ACS Symposium Series, 2015, , 377-419.	0.5	2
20	Quantization of the Molecular Tilt Angle of Amphiphile Monolayers at the Air/Water Interface. Journal of Physical Chemistry C, 2015, 119, 5523-5533.	3.1	8
21	Monolayer Characteristics of 1-Monostearoyl-rac-glycerol at the Airâ€“Water Interface. Journal of Physical Chemistry C, 2015, 119, 9934-9946.	3.1	15
22	Theoretical description of 2D-cluster formation of nonionic surfactants at the air/water interface. Colloid and Polymer Science, 2015, 293, 3065-3089.	2.1	7
23	Quantum chemical analysis of thermodynamics of 2D cluster formation of alkanes at the water/vapor interface in the presence of aliphatic alcohols. Physical Chemistry Chemical Physics, 2015, 17, 28901-28920.	2.8	6
24	Analysis of Temperature and Alkyl Chain Length Impacts on the Morphological Peculiarities of Nonionic Surfactant Clusterization. A Quantum Chemical Approach. Journal of Physical Chemistry C, 2015, 119, 18404-18413.	3.1	5
25	Phases and phase transition in insoluble and adsorbed monolayers of amide amphiphiles: Specific Characteristics of the condensed phases. Advances in Colloid and Interface Science, 2015, 222, 728-742.	14.7	4
26	On Hexagonal Orientation of Fatty Alcohols in Monolayers at the Air/Water Interface: Quantum-Chemical Approach. Journal of Physical Chemistry C, 2014, 118, 4122-4130.	3.1	20
27	The quantum-chemical approach to calculations of thermodynamic and structural parameters of formation of fatty acid monolayers with hexagonal packing at the air/water interface. Physical Chemistry Chemical Physics, 2014, 16, 3187.	2.8	16
28	Quantum-chemical analysis of hexagonal crystalline monolayers of ethoxylated nonionic surfactants at the air/water interface. Physical Chemistry Chemical Physics, 2014, 16, 25129-25142.	2.8	3
29	Helfrich's concept of intrinsic force and its molecular origin in bilayers and monolayers. Advances in Colloid and Interface Science, 2014, 208, 110-120.	14.7	6
30	Brewster angle microscopy: A preferential method for mesoscopic characterization of monolayers at the air/water interface. Current Opinion in Colloid and Interface Science, 2014, 19, 183-197.	7.4	84
31	Quantum chemical analysis of the thermodynamics of 2D cluster formation of 2-hydroxycarboxylic acids at the air/water interface. Soft Matter, 2013, 9, 7601.	2.7	16
32	On the inclusion of alkanes into the monolayer of aliphatic alcohols at the water/alkane vapor interface: a quantum chemical approach. Physical Chemistry Chemical Physics, 2013, 15, 2159.	2.8	9
33	A quantum chemical model for assessment of the temperature dependence in monolayer formation of amphiphiles at the air/water interface. Physical Chemistry Chemical Physics, 2013, 15, 11623.	2.8	10
34	Quantum Chemical Analysis of the Thermodynamics of 2D Cluster Formation of Aliphatic Amides at the Air/Water Interface. Journal of Physical Chemistry C, 2012, 116, 26358-26376.	3.1	23
35	Two-Dimensional Miscibility Behavior of Two Chemically Similar Amide Amphiphiles. Journal of Physical Chemistry C, 2012, 116, 6268-6274.	3.1	4
36	Thermodynamics of the Clusterization Process of trans-Isomers of Unsaturated Fatty Acids at the Air/Water Interface. Journal of Physical Chemistry B, 2012, 116, 2173-2182.	2.6	13

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37	Superposition-additive approach in the description of thermodynamic parameters of formation and clusterization of substituted alkanes at the air/water interface. Journal of Colloid and Interface Science, 2012, 387, 162-174.	9.4	2
38	Temperature Effect on the Monolayer Formation of Substituted Alkanes at the Air/Water Interface: A Quantum Chemical Approach. Journal of Physical Chemistry B, 2012, 116, 8996-9006.	2.6	15
39	Monolayer Characteristics of an N-Acylated Ethanolamine at the Air/Water Interface. Journal of Physical Chemistry C, 2011, 115, 8206-8213.	3.1	16
40	Quantum-Chemical Analysis of Thermodynamics of Two-Dimensional Cluster Formation of Racemic Î±-Amino Acids at the Air/Water Interface. Journal of Physical Chemistry B, 2011, 115, 2264-2281.	2.6	21
41	Monolayer Characteristics of a Long-Chain N,O-Diacyl Substituted Ethanolamine at the Air/Water Interface. Langmuir, 2011, 27, 5386-5392.	3.5	23
42	Nanoaggregate shapes at the air/water interface. Physical Chemistry Chemical Physics, 2011, 13, 4812.	2.8	26
43	Dominance of long-chain N,O-diacylated ethanolamine in mixed amphiphilic acid amide monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 391, 2-9.	4.7	6
44	Effects of dodecanol on the adsorption kinetics of SDS at the waterâ€“hexane interface. Journal of Colloid and Interface Science, 2010, 351, 537-541.	9.4	40
45	Characterisation of phase transition in adsorbed monolayers at the air/water interface. Advances in Colloid and Interface Science, 2010, 154, 1-19.	14.7	71
46	Cross-Sectional Area Increase at Phase Transition on Compression: An Unexpected Phenomenon Observed in an Amide Monolayer. Journal of Physical Chemistry C, 2010, 114, 15695-15702.	3.1	11
47	Quantum-Chemical Description of the Thermodynamic Characteristics of Clusterization of Melamine-type Amphiphiles at the Air/Water Interface. Journal of Physical Chemistry B, 2009, 113, 13235-13248.	2.6	19
48	Equation of State for Monolayers with Additional Phase Transition between Condensed Phases of Different Compressibility. Journal of Physical Chemistry B, 2009, 113, 6311-6313.	2.6	10
49	Quantum-Chemical Analysis of Thermodynamics of Two-Dimensional Cluster Formation of Î±-Amino Acids at the Air/Water Interface. Journal of Physical Chemistry B, 2009, 113, 16557-16567.	2.6	26
50	Thermodynamics of the Clusterization Process of Cis Isomers of Unsaturated Fatty Acids at the Air/Water Interface. Journal of Physical Chemistry B, 2009, 113, 4347-4359.	2.6	22
51	Model Studies of the Interfacial Ordering of Oleanolic Acid in the Cuticula. ChemPhysChem, 2008, 9, 1670-1672.	2.1	15
52	Simplified method of the quantum chemical analysis for determination of thermodynamic parameters of 2D cluster formation of amphiphilic compounds at the air/water interface. Journal of Colloid and Interface Science, 2008, 326, 339-346.	9.4	14
53	Chiral Discrimination in Stearoyl Amine Glycerol Monolayers. Langmuir, 2008, 24, 9489-9494.	3.5	8
54	Equation of State for the Phase Coexistence Region of Insoluble Monolayers under Consideration of the Entropy Nonideality. Journal of Physical Chemistry B, 2008, 112, 1477-1481.	2.6	14

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55	Structural Features of Mixed Monolayers of Oleanolic Acid and Stearic Acid. Journal of Physical Chemistry C, 2008, 112, 15777-15783.	3.1	21
56	Recognition and Dissociation Kinetics in the Interfacial Molecular Recognition of Barbituric Acid by Amphiphilic Melamine-Type Monolayers. Journal of Physical Chemistry B, 2007, 111, 8283-8289.	2.6	16
57	Quantum Chemical Analysis of Thermodynamics of 2D Cluster Formation of n-Thioalcohols at the Air/Water Interface. Journal of Physical Chemistry C, 2007, 111, 5374-5381.	3.1	25
58	Quantum Chemical Analysis of the Thermodynamics of 2-Dimensional Cluster Formation of Alkylamines at the Air/Water Interface. Journal of Physical Chemistry C, 2007, 111, 15342-15349.	3.1	30
59	Molecular Interactions in Amphiphilic Assemblies: Theoretical Perspective. Accounts of Chemical Research, 2007, 40, 351-360.	15.6	40
60	Effect of Unsaturation in Fatty Acids on the Main Characteristics of Langmuir Monolayers. Journal of Physical Chemistry C, 2007, 111, 6805-6812.	3.1	43
61	Surface Pressure Isotherm for the Fluid State of Langmuir Monolayers. Journal of Physical Chemistry B, 2006, 110, 10436-10440.	2.6	23
62	Effect of the Exchange of Substituent Position in an Amide Amphiphile on the Monolayer Characteristics. Journal of Physical Chemistry B, 2006, 110, 14881-14889.	2.6	19
63	Quantum Chemical Analysis of the Thermodynamics of 2D Cluster Formation ofn-Carboxylic Acids at the Air/Water Interface. Journal of Physical Chemistry B, 2006, 110, 4717-4730.	2.6	38
64	Role of Electrostatic Interactions for the Domain Shapes of Langmuir Monolayers of Monoglycerol Amphiphiles. Journal of Physical Chemistry B, 2005, 109, 10820-10829.	2.6	30
65	Quantum Chemical Semiempirical Approach to the Structural and Thermodynamic Characteristics of Fluoroalkanols at the Air/Water Interface. Journal of Physical Chemistry B, 2005, 109, 454-462.	2.6	27
66	Thermodynamic and Structural Characterization of Amphiphilic Melamine-type Monolayers. Journal of Physical Chemistry B, 2005, 109, 11706-11711.	2.6	24
67	Interfacial Molecular Recognition of Dissolved Thymine by Medium Chain Dialkyl Melamine-Type Monolayers. Journal of Physical Chemistry B, 2005, 109, 10849-10857.	2.6	26
68	Molecular pair potential of chiral amino acid amphiphile in Langmuir monolayers on the basis of an atomistic model. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 250, 279-287.	4.7	8
69	Transition State for Aggregation and Reorganization of Normal Fatty Alcohols at the Air/Water Interface. Journal of Physical Chemistry B, 2004, 108, 8330-8337.	2.6	10
70	Anomalous Temperature Dependence of Domain Shape in Langmuir Monolayers:Â Role of Dipolar Interaction. Journal of Physical Chemistry B, 2004, 108, 18793-18795.	2.6	22
71	Effect of Hydroxyl Group Position and System Parameters on the Features of Hydroxystearic Acid Monolayers. Langmuir, 2004, 20, 7670-7677.	3.5	23
72	Characteristic Features of Hydroxystearic Acid Monolayers at the Air/Water Interface. Journal of Physical Chemistry B, 2004, 108, 17448-17456.	2.6	34

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73	Structure Features and Phase Behavior of 1-(12-Hydroxy)stearoyl-rac-glycerol Monolayers. Journal of Physical Chemistry B, 2004, 108, 3781-3788.	2.6	15
74	Chiral Discrimination Effects in Langmuir Monolayers of 1-O-Hexadecyl Glycerol. Journal of Physical Chemistry B, 2004, 108, 327-335.	2.6	31
75	Correlation between the microscopic and mesoscopic chirality in Langmuir monolayers. Thin Solid Films, 2003, 433, 12-21.	1.8	21
76	Effect of Molecular Chirality on the Morphology of Biomimetic Langmuir Monolayers. Chemical Reviews, 2003, 103, 4033-4076.	47.7	185
77	Characteristic Features of Amphiphilic P-Functionalized Calixarene Monolayers at the Air/Water Interface. Langmuir, 2003, 19, 4228-4234.	3.5	21
78	Chiral Discrimination Effects in Langmuir Monolayers:Â Monolayers of Palmitoyl Aspartic Acid,N-Stearoyl Serine Methyl Ester, andN-Tetradecyl-Î³,Î´-dihydroxypentanoic Acid Amide. Journal of Physical Chemistry B, 2003, 107, 3464-3475.	2.6	33
79	Molecular Packing and Textures of 1-Stearylamine-rac-glycerol Monolayers. Langmuir, 2002, 18, 688-693.	3.5	24
80	Molecular Origin of the Chiral Interaction in Biomimetic Systems:Â Dipalmitoylphosphatidylcholine Langmuir Monolayer. Journal of Physical Chemistry B, 2002, 106, 10144-10149.	2.6	26
81	Kinetics of Two-Dimensional Phase Transition of Langmuir Monolayers. Journal of Physical Chemistry B, 2002, 106, 345-351.	2.6	19
82	Chiral Discrimination in 1-Stearylamine-Glycerol Monolayers. Journal of Physical Chemistry B, 2002, 106, 4419-4423.	2.6	28
83	Phase Transition in Monolayers of Straight Chain and 2-Methyl Branched Alcohols at the Airâ^'Water Interface. Langmuir, 2002, 18, 6571-6577.	3.5	23
84	Prediction of the handedness of the chiral domains of amphiphilic monolayers: monolayers of amino acid amphiphiles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 198-200, 207-221.	4.7	26
85	Quantum chemical semi-empirical approach to the thermodynamic characteristics of oligomers and large aggregates of alcohols at the water/air interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 209, 1-14.	4.7	28
86	Quantum Chemical Analysis of the Thermodynamics of 2D Cluster Formation of Oddn-Alcohols at the Air/Water Interface. Journal of Physical Chemistry B, 2002, 106, 11285-11294.	2.6	46
87	Quantum Chemical Analysis of Thermodynamics of the Two-Dimensional Cluster Formation at the Air/Water Interface. Journal of Physical Chemistry B, 2002, 106, 121-131.	2.6	37
88	Thermodynamics of two-dimensional cluster formation at the water/air interface. A quantum chemical approach. , 2002, , 72-75.		9
89	Dynamics and Phase Transition in Adsorbed Monolayers of Sodium Dodecyl Sulfate/Dodecanol Mixtures. Journal of Physical Chemistry B, 2001, 105, 4324-4330.	2.6	49
90	Phase Transition in Adsorbed Monolayers of Sodium Dodecyl Sulfate/Dodecanol Mixtures. Journal of Physical Chemistry B, 2001, 105, 12061-12067.	2.6	45

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91	Shifting of Fatty Acid Monolayer Phases Due to Ionization of the Headgroups. Langmuir, 2001, 17, 4569-4580.	3.5	29
92	Microscopic study of chiral interactions in langmuir monolayer: monolayers of N-palmitoyl aspartic acid and N-stearoyl serine methyl ester. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 183-185, 67-83.	4.7	26
93	Penetration of dissolved amphiphiles into two-dimensional aggregating lipid monolayers. Advances in Colloid and Interface Science, 2000, 86, 103-151.	14.7	84
94	Coadsorption of sodium dodecyl sulfate and medium-chain alcohols at the airâ€“water interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 161, 173-182.	4.7	53
95	Morphology and phase behaviour of monoglyceride monolayers on aqueous sugar substrates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 171, 49-57.	4.7	8
96	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.	2.6	13
97	Arachidic Acid Monolayers at High pH of the Aqueous Subphase:Â Studies of Counterion Bonding. Langmuir, 2000, 16, 7731-7736.	3.5	32
98	Mixed Stearoyl-rac-glycerol/12-(Hydroxy)stearoyl-rac-glycerol Monolayers on the Air/Water Interface:Â Brewster Angle Microscopy and Grazing Incidence X-ray Diffraction Investigation. Journal of Physical Chemistry B, 2000, 104, 8704-8711.	2.6	16
99	Dynamic and Equilibrium Surface Pressure of Adsorbed Dodecanol Monolayers at the Air/Water Interface. Journal of Physical Chemistry B, 2000, 104, 8536-8543.	2.6	82
100	Thermodynamic and Textural Characterization of DPPG Phospholipid Monolayers. Journal of Physical Chemistry B, 2000, 104, 4115-4121.	2.6	90
101	Ordering in Langmuir monolayers of branched chain phospholipids. Materials Science and Engineering C, 1999, 8-9, 3-11.	7.3	8
102	Texture features of long-chain fatty acid monolayers at high pH of the aqueous subphase. Materials Science and Engineering C, 1999, 8-9, 35-42.	7.3	44
103	Equations of State for Langmuir Monolayers with Two-Dimensional Phase Transitions. Journal of Physical Chemistry B, 1999, 103, 145-150.	2.6	112
104	Phase transition in adsorption layers at the airâ€“water interface: structure features of the condensed phase. Thin Solid Films, 1998, 327-329, 842-845.	1.8	15
105	Phase Transitions and Structures in Monolayers of Water Soluble and Insoluble Amphiphilic Acid Amides. Chemical Engineering and Technology, 1998, 21, 44-48.	1.5	16
106	PhasenÃ¼bergÃnge und Strukturen von Monoschichten wasserlÃ¶slicher und wasserunlÃ¶slicher amphiphiler SÃureamide. Chemie-Ingenieur-Technik, 1998, 70, 275-279.	0.8	1
107	Atomic Force Microscopy Study of the Texture of Condensed Phase Domains in 1-Monostearoylglycerol Monolayers. Langmuir, 1998, 14, 1815-1821.	3.5	28
108	Relating Domain Morphology and Lattice Structure in Monolayers of Glycerol Amide Lipids. Langmuir, 1998, 14, 2112-2118.	3.5	40

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109	Texture Change Separate from the Transition between Two Tilted Phases in Langmuir Monolayers. Journal of Physical Chemistry B, 1998, 102, 1224-1228.	2.6	9
110	Structure formation and phase transitions in Gibbs and Langmuir monolayers of amphiphilic acid amides. Physical Review E, 1998, 57, 901-907.	2.1	45
111	Disorder in Langmuir Monolayers. 1. Disordered Packing of Alkyl Chains. Langmuir, 1998, 14, 6485-6492.	3.5	49
112	Comparing Molecular Packing and Textures of Langmuir Monolayers of Fatty Acids and Their Methyl and Ethyl Esters. Journal of Physical Chemistry B, 1998, 102, 148-153.	2.6	29
113	Similarities in the Phase Properties of Gibbs and Langmuir Monolayers. Journal of Physical Chemistry B, 1998, 102, 591-597.	2.6	66
114	Kinetics of two-dimensional phase transition of amphiphilic monolayers at the air/water interface. Journal of Chemical Physics, 1997, 107, 243-251.	3.0	36
115	Nonequilibrium Structures in 1-Monopalmitoyl-rac-glycerol Monolayers. Langmuir, 1997, 13, 277-282.	3.5	58
116	Nonequilibrium Domain Growth in Fatty Acid Ethyl Ester Monolayers. Langmuir, 1997, 13, 1623-1628.	3.5	27
117	Brewster Angle Microscopy and X-ray GID Studies of Morphology and Crystal Structure in Monolayers of N-Tetradecyl-Î³,Î´-dihydroxypentanoic Acid Amide. Journal of Physical Chemistry B, 1997, 101, 4752-4758.	2.6	43
118	Phase Transition in Adsorption Layers at the Airâ^'Water Interface:Â Bridging to Langmuir Monolayers. Journal of Physical Chemistry B, 1997, 101, 3370-3375.	2.6	100
119	Structure features and phase behaviour of amphiphilic N-tetradecyl-Î²-hydroxy-propionic acid amide monolayers. Supramolecular Science, 1997, 4, 391-397.	0.7	25
120	Phase transitions in adsorption layers: comparison with Langmuir monolayers. Progress in Colloid and Polymer Science, 1997, 105, 130-137.	0.5	18
121	Long-range tilt orientational order in phospholipid monolayers: a comparative study. Biophysical Journal, 1996, 70, 2758-2766.	0.5	79
122	Chiral Discrimination in Monolayers of Monoglycerides. Langmuir, 1996, 12, 4892-4896.	3.5	53
123	Long Range Tilt Orientational Order in Fatty Acid Ethyl Ester Monolayers. Langmuir, 1996, 12, 5114-5119.	3.5	30
124	Equation of State for Insoluble Monolayers of Aggregating Amphiphilic Molecules. The Journal of Physical Chemistry, 1996, 100, 15478-15482.	2.9	74
125	Morphology and phase behavior of monolayers. Advances in Colloid and Interface Science, 1996, 64, 143-171.	14.7	192
126	Line tension and domain shapes in insoluble monolayers of fatty alcohols. Thin Solid Films, 1996, 284-285, 424-427.	1.8	20

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127	Formation of Condensed Phase Patterns in Adsorption Layers. Physical Review Letters, 1996, 76, 3770-3773.	7.8	95
128	Thermally Induced Domain Growth in Fatty Acid Ester Monolayers. Journal of Colloid and Interface Science, 1995, 173, 429-435.	9.4	30
129	Morphological Features in 1-Monoglyceride Monolayers. Journal of Colloid and Interface Science, 1995, 174, 392-399.	9.4	70
130	Long range tilt orientational order in phospholipid monolayers: a comparison of the order in the condensed phases of dimyristoylphosphatidylethanolamine and dipalmitoylphosphatidylcholine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1995, 100, 187-202.	4.7	77
131	Inner Structure of Condensed Phase Domains in Monolayers at the Air-Water Interface. Langmuir, 1995, 11, 864-871.	3.5	58
132	Morphology and growth of condensed phase structures in N-alkyl-aldonamide monolayers using brewster angle microscopy. , 1995, , 266-268.		8
133	Dendritic Crystal Growth in N-Dodecylgluconamide Monolayers at the Air-Water Interface. Langmuir, 1995, 11, 2661-2668.	3.5	45
134	Relating Lattice and Domain Structures of Monoglyceride Monolayers. The Journal of Physical Chemistry, 1995, 99, 8758-8762.	2.9	80
135	The phase behavior of an ether lipid monolayer compared with an ester lipid monolayer. , 1994, , 302-306.		28
136	Adsorption kinetic characterization of the effect of surface-active trace components in aqueous solutions of surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 76, 203-215.	4.7	4
137	Structural effect on the adsorption properties of aqueous solutions of straight-chain and cyclic dodecyl sulfates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 76, 217-225.	4.7	23
138	Temperature-dependent studies of the phase behaviour of 1-monostearoyl-rac-glycerol monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 76, 187-195.	4.7	62
139	Alkanolspuren in Natriumalkylsulfaten: Nachweis und Bedeutung fÃ¼r die Adsorptionseigenschaften/ Alkanol Traces in Sodium Alkyl Sulfates: Detection and Importance forthe Adsorption Properties. Tenside, Surfactants, Detergents, 1993, 30, 349-355.	1.2	7
140	Effect of isomeric alcohols as a minor component on the adsorption properties of aqueous sodium alkyl sulfate solutions. Langmuir, 1990, 6, 317-322.	3.5	30
141	Influence of small quantities of isomeric alcohols on the surface tension behavior of aqueous sodium alkyl sulfate solutions. Colloids and Surfaces, 1984, 11, 209-217.	0.9	25
142	Zur Herstellung und Charakterisierung von erenzflÃchenchemisch reinem Natrium-dodecylsuliat. Tenside, Surfactants, Detergents, 1981, 18, 320-327.	1.2	27