Andreas Kerth

List of Publications by Year
in descending order

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43 papers	1,391 citations	361413 20 h-index	330143 37 g-index
45 all docs	45 docs citations	45 times ranked	1849 citing authors

#	Article	IF	Citations
1	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.	4.0	19
2	Albumin displacement at the airâ€“water interface by Tween (Polysorbate) surfactants. European Biophysics Journal, 2020, 49, 533-547.	2.2	18
3	The impact of non-ideality of lipid mixing on peptide induced lipid clustering. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183248.	2.6	2
4	Effect of Cholesterol and Myelin Basic Protein (MBP) Content on Lipid Monolayers Mimicking the Cytoplasmic Membrane of Myelin. Cells, 2020, 9, 529.	4.1	14
5	Dynamic self-assembly of ions with variable size and charge in solution. RSC Advances, 2019, 9, 18627-18640.	3.6	5
6	Serum albumin hydrogels in broad pH and temperature ranges: characterization of their self-assembled structures and nanoscopic and macroscopic properties. Biomaterials Science, 2018, 6, 478-492.	5.4	53
7	Interaction of Myelin Basic Protein with Myelin-like Lipid Monolayers at Airâ€“Water Interface. Langmuir, 2018, 34, 6095-6108.	3.5	19
8	Exploring the pH-Induced Functional Phase Space of Human Serum Albumin by EPR Spectroscopy. Magnetochemistry, 2018, 4, 47.	2.4	21
9	Structure Formation in Classâ€…I and Classâ€…II Hydrophobins at the Airâ€“Water Interface under Multiple Compression/Expansion Cycles. ChemistryOpen, 2018, 7, 1005-1013.	1.9	2
10	The cmc-value of a bolalipid with two phosphocholine headgroups and a C24 alkyl chain: Unusual binding properties of fluorescence probes to bolalipid aggregates. Journal of Colloid and Interface Science, 2017, 501, 294-303.	9.4	7
11	Physicochemical characterization of the thermo-induced self-assembly of thermo-responsive PDMAEMA-b -PDEGMA copolymers. Journal of Polymer Science Part A, 2015, 53, 924-935.	2.3	17
12	The efficacy of trivalent cyclic hexapeptides to induce lipid clustering in PG/PE membranes correlates with their antimicrobial activity. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2998-3006.	2.6	33
13	Interaction of linear polyamines with negatively charged phospholipids: the effect of polyamine charge distance. Biological Chemistry, 2014, 395, 769-778.	2.5	15
14	Peptide and protein binding to lipid monolayers studied by FT-IRRA spectroscopy. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2294-2305.	2.6	48
15	Negatively Charged Phospholipids Trigger the Interaction of a Bacterial Tat Substrate Precursor Protein with Lipid Monolayers. Langmuir, 2012, 28, 3534-3541.	3.5	23
16	Binding of cationic pentapeptides with modified side chain lengths to negatively charged lipid membranes: Complex interplay of electrostatic and hydrophobic interactions. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1663-1672.	2.6	67
17	Interaction of a Tat Substrate and a Tat Signal Peptide with Thylakoid Lipids at the Airâ€“Water Interface. ChemBioChem, 2012, 13, 231-239.	2.6	6
18	Hybrid lipid/polymer giant unilamellar vesicles: effects of incorporated biocompatible PIBâ€“PEO block copolymers on vesicle properties. Soft Matter, 2011, 7, 8100.	2.7	73

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19	Compatible solutes: Ectoine and hydroxyectoine improve functional nanostructures in artificial lung surfactants. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2830-2840.	2.6	32
20	The Binding of an Amphipathic Peptide to Lipid Monolayers at the Air/Water Interface Is Modulated by the Lipid Headgroup Structure. Langmuir, 2011, 27, 2811-2818.	3.5	25
21	Interaction of alkyltrimethylammonium bromides with DMPC-d54 and DMPG-d54 monolayers studied by infrared reflection absorption spectroscopy (IRRAS). Journal of Colloid and Interface Science, 2010, 342, 243-252.	9.4	7
22	The microstructure of the stratum corneum lipid barrier: Mid-infrared spectroscopic studies of hydrated ceramide:palmitic acid:cholesterol model systems. Biophysical Chemistry, 2010, 150, 144-156.	2.8	82
23	Membrane Interacting Peptides - Towards the Understanding of Biological Membranes. Biophysical Chemistry, 2010, 150, 1.	2.8	2
24	Hsp12 Is an Intrinsically Unstructured Stress Protein that Folds upon Membrane Association and Modulates Membrane Function. Molecular Cell, 2010, 39, 507-520.	9.7	163
25	Crystal structure of the Borna disease virus matrix protein (BDV-M) reveals ssRNA binding properties. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3710-3715.	7.1	46
26	Interactions of KLA Amphipathic Model Peptides with Lipid Monolayers. ChemBioChem, 2009, 10, 2884-2892.	2.6	21
27	Phospholipid crystalline clusters induced by adsorption of novel amphiphilic triblock copolymers to monolayers. Soft Matter, 2009, 5, 669-675.	2.7	14
28	An Infrared Reflection-Absorption Spectroscopic (IRRAS) Study of the Interaction of Lipid A and Lipopolysaccharide Re with Endotoxin-Binding Proteins. Medicinal Chemistry, 2009, 5, 535-542.	1.5	13
29	Calciumâ€Induced Membrane Microdomains Trigger Plant Phospholipase D Activity. ChemBioChem, 2008, 9, 2853-2859.	2.6	16
30	Hofmeister Salts and Potential Therapeutic Compounds Accelerate in Vitro Fibril Formation of the N-Terminal Domain of PABPN1 Containing a Disease-Causing Alanine Extension. Biochemistry, 2008, 47, 2181-2189.	2.5	18
31	Infrared Reflection Absorption Spectroscopy Coupled with Brewster Angle Microscopy for Studying Interactions of Amphiphilic Triblock Copolymers with Phospholipid Monolayers. Langmuir, 2008, 24, 10041-10053.	3.5	47
32	Evidence for a Reverse U-Shaped Conformation of Single-Chain Bolaamphiphiles at the Airâ^'Water Interface. Langmuir, 2007, 23, 6063-6069.	3.5	19
33	Insertion of Lipidated Ras Proteins into Lipid Monolayers Studied by Infrared Reflection Absorption Spectroscopy (IRRAS). Biophysical Journal, 2006, 91, 1388-1401.	0.5	49
34	Interaction of the Neurotransmitter, Neuropeptide Y, with Phospholipid Membranes:Â Infrared Spectroscopic Characterization at the Air/Water Interfaceâ€. Journal of Physical Chemistry B, 2006, 110, 22152-22159.	2.6	45
35	Adsorption of Amyloid Î² (1-40) Peptide at Phospholipid Monolayers. ChemBioChem, 2005, 6, 1817-1824.	2.6	99
36	Interaction of Poly(ethylene oxide) and Poly(perfluorohexylethyl methacrylate) Containing Block Copolymers with Biological Systems. ACS Symposium Series, 2005, , 92-105.	0.5	1

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37	Adsorption Kinetics of n-Nonyl-Î²-d-glucopyranoside at the Airâ^'Water Interface Studied by Infrared Reflection Absorption Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 6239-6246.	2.6	8
38	The interaction of n-nonyl-Î²-d-glucopyranoside and sodium dodecyl sulfate with DMPC and DMPG monolayers studied by infrared reflection absorption spectroscopy. Physical Chemistry Chemical Physics, 2004, 6, 5543-5550.	2.8	5
39	Interaction of Sodium Dodecyl Sulfate with Dimyristoyl-sn-glycero-3-phosphocholine Monolayers Studied by Infrared Reflection Absorption Spectroscopy. A New Method for the Determination of Surface Partition Coefficients. Journal of Physical Chemistry B, 2004, 108, 8371-8378.	2.6	31
40	Infrared Reflection Absorption Spectroscopy of Amphipathic Model Peptides at the Air/Water Interface. Biophysical Journal, 2004, 86, 3750-3758.	0.5	62
41	Amphiphilic Block Copolymers of Poly(ethylene oxide) and Poly(perfluorohexylethyl methacrylate) at the Water Surface and Their Penetration into the Lipid Monolayer. Journal of Physical Chemistry B, 2004, 108, 9962-9969.	2.6	63
42	Thermodynamics of interaction of octyl glucoside with phosphatidylcholine vesicles: partitioning and solubilization as studied by high sensitivity titration calorimetry. Biochimica Et Biophysica Acta - Biomembranes, 1997, 1326, 178-192.	2.6	73
43	Unprecedented ring expansion of [60]fullerene: incorporation of nitrogen at an open 6,6-ring juncture by regiospecific reduction of oxycarbonylaziridino-[2â€²,3â€²:1,2][60]fullerenes. Synthesis of 1a-aza-1(6a)-homo[60]fullerene, C60H2NH. Chemical Communications, 1996, , 507-508.	4.1	8