Sofia Svedhem

List of Publications by Year
in descending order

31	886	567281 15	454955 30
papers	citations	h-index	g-index

31	31	31	1404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Patterns of DNA-Labeled and scFv-Antibody-Carrying Lipid Vesicles Directed by Material-Specific Immobilization of DNA and Supported Lipid Bilayer Formation on an Au/SiO2 Template. ChemBioChem, 2003, 4, 339-343.	2.6	132
2	The Inflammation-associated Protein TSG-6 Cross-links Hyaluronan via Hyaluronan-induced TSG-6 Oligomers. Journal of Biological Chemistry, 2011, 286, 25675-25686.	3.4	119
3	QCM-D and Reflectometry Instrument: Applications to Supported Lipid Structures and Their Biomolecular Interactions. Analytical Chemistry, 2009, 81, 349-361.	6.5	102
4	Formation of supported lipid bilayers on silica: relation to lipid phase transition temperature and liposome size. Soft Matter, 2014, 10, 187-195.	2.7	76
5	Influence of phase separating lipids on supported lipid bilayer formation at SiO₂surfaces. Physical Chemistry Chemical Physics, 2010, 12, 453-460.	2.8	43
6	In Situ Preparation and Modification of Supported Lipid Layers by Lipid Transfer from Vesicles Studied by QCM-D and TOF-SIMS. Journal of the American Chemical Society, 2009, 131, 2450-2451.	13.7	42
7	Probing the biofunctionality of biotinylated hyaluronan and chondroitin sulfate by hyaluronidase degradation and aggrecan interaction. Acta Biomaterialia, 2013, 9, 8158-8166.	8.3	36
8	Graphene Oxide and Lipid Membranes: Size-Dependent Interactions. Langmuir, 2016, 32, 2708-2717.	3.5	35
9	Real-Time QCM-D Monitoring of Electrostatically Driven Lipid Transfer between Two Lipid Bilayer Membranes. Journal of Physical Chemistry B, 2008, 112, 14069-14074.	2.6	34
10	Characterization and application of a surface modification designed for QCM-D studies of biotinylated biomolecules. Biosensors and Bioelectronics, 2011, 28, 407-413.	10.1	32
11	Mucin-like Region of Herpes Simplex Virus Type 1 Attachment Protein Glycoprotein C (gC) Modulates the Virus-Glycosaminoglycan Interaction. Journal of Biological Chemistry, 2015, 290, 21473-21485.	3.4	30
12	Formation of Supported Lipid Bilayers at Surfaces with Controlled Curvatures: Influence of Lipid Charge. Journal of Physical Chemistry B, 2011, 115, 7838-7848.	2.6	26
13	Study on multilayer structures prepared from heparin and semi-synthetic cellulose sulfates as polyanions and their influence on cellular response. Colloids and Surfaces B: Biointerfaces, 2014, 116, 93-103.	5.0	23
14	Ion-mediated changes of supported lipid bilayers and their coupling to the substrate. A case of bilayer slip?. Soft Matter, 2011, 7, 8582.	2.7	20
15	Synthesis and Evaluation of Astatinated N-[2-(Maleimido)ethyl]-3-(trimethylstannyl)benzamide Immunoconjugates. Bioconjugate Chemistry, 2016, 27, 688-697.	3.6	20
16	Bioreducible insulin-loaded nanoparticles and their interaction with model lipid membranes. Journal of Colloid and Interface Science, 2011, 362, 575-583.	9.4	15
17	TiO₂ nanoparticle interactions with supported lipid membranes â€“ an example of removal of membrane patches. RSC Advances, 2016, 6, 91102-91110.	3.6	13
18	Immobilization of chondroitin sulfate to lipid membranes and its interactions with ECM proteins. Journal of Colloid and Interface Science, 2013, 390, 258-266.	9.4	12

#	Article	IF	Citations
19	Phase Transition-Controlled Flip-Flop in Asymmetric Lipid Membranes. Journal of Physical Chemistry B, 2014, 118, 2389-2395.	2.6	12
20	Acoustical sensing of cardiomyocyte cluster beating. Biochemical and Biophysical Research Communications, 2013, 435, 520-525.	2.1	10
21	Real-time monitoring of surface-confined platelet activation on TiO2. Colloids and Surfaces B: Biointerfaces, 2014, 116, 446-451.	5.0	9
22	A miniaturized flow reaction chamber for use in combination with QCM-D sensing. Microfluidics and Nanofluidics, 2010, 9, 705-716.	2.2	8
23	Characterization of Nanoparticleâ€“Lipid Membrane Interactions Using QCM-D. Methods in Molecular Biology, 2013, 991, 127-137.	0.9	7
24	Heat-activated liposome targeting to streptavidin-coated surfaces. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1417-1423.	2.6	7
25	Non-Invasive Acoustical sensing of Drug-Induced Effects on the Contractile Machinery of Human Cardiomyocyte Clusters. PLoS ONE, 2015, 10, e0125540.	2.5	6
26	Effects of Al³⁺ on Phosphocholine and Phosphoglycerol Containing Solid Supported Lipid Bilayers. Langmuir, 2016, 32, 1771-1781.	3.5	5
27	Acoustic detection of melanosome transport in Xenopus laevis melanophores. Analytical Biochemistry, 2013, 435, 10-18.	2.4	4
28	Imaging of blood plasma coagulation at supported lipid membranes. Journal of Colloid and Interface Science, 2011, 364, 582-587.	9.4	3
29	Asymmetric cationic liposomes designed for heat-activated association with cells. Colloids and Surfaces B: Biointerfaces, 2017, 151, 112-118.	5.0	3
30	A Novel Surface Modification Using Tissue Factor Reconstituted in Phospholipid Vesicles for the Activation of Blood Coagulation. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 133-140.	3.5	1
31	Monitoring of surface interactions as a tool for nanoparticle design. Journal of Controlled Release, 2010, 148, e36-e37.	9.9	1