

Sofia Svedhem

List of Publications by Year in descending order

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31
papers

886
citations

567281

15
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric cationic liposomes designed for heat-activated association with cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 112-118.	5.0	3
2	TiO ₂ nanoparticle interactions with supported lipid membranes – an example of removal of membrane patches. <i>RSC Advances</i> , 2016, 6, 91102-91110.	3.6	13
3	Effects of Al ³⁺ on Phosphocholine and Phosphoglycerol Containing Solid Supported Lipid Bilayers. <i>Langmuir</i> , 2016, 32, 1771-1781.	3.5	5
4	Synthesis and Evaluation of Astatinated <i>N</i> -[2-(Maleimido)ethyl]-3-(trimethylstannyl)benzamide Immunoconjugates. <i>Bioconjugate Chemistry</i> , 2016, 27, 688-697.	3.6	20
5	Graphene Oxide and Lipid Membranes: Size-Dependent Interactions. <i>Langmuir</i> , 2016, 32, 2708-2717.	3.5	35
6	Mucin-like Region of Herpes Simplex Virus Type 1 Attachment Protein Glycoprotein C (gC) Modulates the Virus-Glycosaminoglycan Interaction. <i>Journal of Biological Chemistry</i> , 2015, 290, 21473-21485.	3.4	30
7	Heat-activated liposome targeting to streptavidin-coated surfaces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1417-1423.	2.6	7
8	Non-Invasive Acoustical sensing of Drug-Induced Effects on the Contractile Machinery of Human Cardiomyocyte Clusters. <i>PLoS ONE</i> , 2015, 10, e0125540.	2.5	6
9	Study on multilayer structures prepared from heparin and semi-synthetic cellulose sulfates as polyanions and their influence on cellular response. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 93-103.	5.0	23
10	Formation of supported lipid bilayers on silica: relation to lipid phase transition temperature and liposome size. <i>Soft Matter</i> , 2014, 10, 187-195.	2.7	76
11	Phase Transition-Controlled Flip-Flop in Asymmetric Lipid Membranes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2389-2395.	2.6	12
12	Real-time monitoring of surface-confined platelet activation on TiO ₂ . <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 446-451.	5.0	9
13	Acoustical sensing of cardiomyocyte cluster beating. <i>Biochemical and Biophysical Research Communications</i> , 2013, 435, 520-525.	2.1	10
14	Probing the biofunctionality of biotinylated hyaluronan and chondroitin sulfate by hyaluronidase degradation and aggrecan interaction. <i>Acta Biomaterialia</i> , 2013, 9, 8158-8166.	8.3	36
15	Acoustic detection of melanosome transport in <i>Xenopus laevis</i> melanophores. <i>Analytical Biochemistry</i> , 2013, 435, 10-18.	2.4	4
16	Characterization of Nanoparticle–Lipid Membrane Interactions Using QCM-D. <i>Methods in Molecular Biology</i> , 2013, 991, 127-137.	0.9	7
17	Immobilization of chondroitin sulfate to lipid membranes and its interactions with ECM proteins. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 258-266.	9.4	12
18	Ion-mediated changes of supported lipid bilayers and their coupling to the substrate. A case of bilayer slip?. <i>Soft Matter</i> , 2011, 7, 8582.	2.7	20

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19	Formation of Supported Lipid Bilayers at Surfaces with Controlled Curvatures: Influence of Lipid Charge. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7838-7848.	2.6	26
20	Imaging of blood plasma coagulation at supported lipid membranes. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 582-587.	9.4	3
21	Characterization and application of a surface modification designed for QCM-D studies of biotinylated biomolecules. <i>Biosensors and Bioelectronics</i> , 2011, 28, 407-413.	10.1	32
22	Bioreducible insulin-loaded nanoparticles and their interaction with model lipid membranes. <i>Journal of Colloid and Interface Science</i> , 2011, 362, 575-583.	9.4	15
23	The Inflammation-associated Protein TSG-6 Cross-links Hyaluronan via Hyaluronan-induced TSG-6 Oligomers. <i>Journal of Biological Chemistry</i> , 2011, 286, 25675-25686.	3.4	119
24	A miniaturized flow reaction chamber for use in combination with QCM-D sensing. <i>Microfluidics and Nanofluidics</i> , 2010, 9, 705-716.	2.2	8
25	Monitoring of surface interactions as a tool for nanoparticle design. <i>Journal of Controlled Release</i> , 2010, 148, e36-e37.	9.9	1
26	Influence of phase separating lipids on supported lipid bilayer formation at SiO ₂ surfaces. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 453-460.	2.8	43
27	QCM-D and Reflectometry Instrument: Applications to Supported Lipid Structures and Their Biomolecular Interactions. <i>Analytical Chemistry</i> , 2009, 81, 349-361.	6.5	102
28	A Novel Surface Modification Using Tissue Factor Reconstituted in Phospholipid Vesicles for the Activation of Blood Coagulation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 133-140.	3.5	1
29	<i>In Situ</i> Preparation and Modification of Supported Lipid Layers by Lipid Transfer from Vesicles Studied by QCM-D and TOF-SIMS. <i>Journal of the American Chemical Society</i> , 2009, 131, 2450-2451.	13.7	42
30	Real-Time QCM-D Monitoring of Electrostatically Driven Lipid Transfer between Two Lipid Bilayer Membranes. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14069-14074.	2.6	34
31	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/SiO ₂ Template. <i>ChemBioChem</i> , 2003, 4, 339-343.	2.6	132