Sophie Pautot

List of Publications by Year
in descending order

19 papers	1,567 citations	623188 14 h-index	1058022 14 g-index
19 all docs	19 docs citations	19 times ranked	2285 citing authors

#	Article	IF	Citations
1	Production of Unilamellar Vesicles Using an Inverted Emulsion. Langmuir, 2003, 19, 2870-2879.	1.6	483
2	Engineering asymmetric vesicles. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10718-10721.	3.3	418
3	Ordering of water molecules between phospholipid bilayers visualized by coherent anti-Stokes Raman scattering microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9826-9830.	3.3	198
4	Colloid-guided assembly of oriented 3D neuronal networks. Nature Methods, 2008, 5, 735-740.	9.0	97
5	A review of experimental opportunities for molecular communication. Nano Communication Networks, 2013, 4, 43-52.	1.6	67
6	Spontaneous Formation of Lipid Structures at Oil/Water/Lipid Interfaces. Langmuir, 2003, 19, 10281-10287.	1.6	58
7	Neuronal synapse interaction reconstituted between live cells and supported lipid bilayers. Nature Chemical Biology, 2005, 1, 283-289.	3.9	54
8	Essential role of endocytosis for Interleukin-4 receptor mediated JAK/STAT signalling. Journal of Cell Science, 2015, 128, 3781-95.	1.2	51
9	Neuronal Activation by GPI-Linked Neuroligin-1 Displayed in Synthetic Lipid Bilayer Membranes. Langmuir, 2005, 21, 10693-10698.	1.6	29
10	Poly(2-oxazoline)-Based Microgel Particles for Neuronal Cell Culture. Biomacromolecules, 2015, 16, 1516-1524.	2.6	26
11	Tailored and biodegradable poly(2-oxazoline) microbeads as 3D matrices for stem cell culture in regenerative therapies. Biomaterials, 2016, 79, 1-14.	5.7	26
12	Thermoswitching Microgel Carriers Improve Neuronal Cell Growth and Cell Release for Cell Transplantation. Tissue Engineering - Part C: Methods, 2015, 21, 65-76.	1.1	21
13	A Service-Oriented Architecture for Body Area NanoNetworks with Neuron-based Molecular Communication. Mobile Networks and Applications, 2014, 19, 707-717.	2.2	20
14	Colloids as Mobile Substrates for the Implantation and Integration of Differentiated Neurons into the Mammalian Brain. PLoS ONE, 2012, 7, e30293.	1.1	17
15	Thermo-sensitive microgels as in-situ sensor for temperature measurement in optoelectronic tweezers. , 2010, , .		2
16	Neuroligin-1 Oligomerization Induces Cell Morphology Changes Via Lipid Domain Nucleation. Biophysical Journal, 2010, 98, 687a-688a.	0.2	0
17	Nucleation of Lipid Domain by Neuroligin-1 during Oligomerization. Biophysical Journal, 2012, 102, 19a.	0.2	0
18	Cells must Accumulate Interleukin-4 Receptor Subunits within CorticalÂSignaling Endosomes to Drive Complex Formation and Signal Transduction. Biophysical Journal, 2013, 104, 610a.	0.2	0

#	Article	IF	Citations
19	Regulation of Neuron Branching by the Interaction of Neuroligin C-Terminus Domain with PIP2. Biophysical Journal, 2014, 106, 714a.	0.2	0