AngÃ©line Van der Heyden

List of Publications by Year
in descending order

22	649	516710 16	677142 22
papers	citations	h-index	g-index

22	22	22	910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Negative SPR Signals during Low Molecular Weight Analyte Recognition. Analytical Chemistry, 2021, 93, 4134-4140.	6.5	16
2	Recent progress in the design of G-quadruplexâ€“based electrochemical aptasensors. Current Opinion in Electrochemistry, 2021, 30, 100812.	4.8	7
3	Direct Detection of Low-Molecular-Weight Compounds in 2D and 3D Aptasensors by Biolayer Interferometry. ACS Sensors, 2020, 5, 2326-2330.	7.8	19
4	Influence of Aptamer Surface Coverage on Small Target Recognition: A SPR and QCM-D Comparative Study. Journal of Physical Chemistry C, 2019, 123, 13561-13568.	3.1	25
5	Influence of the SPR Experimental Conditions on the G-Quadruplex DNA Recognition by Porphyrin Derivatives. Langmuir, 2018, 34, 13057-13064.	3.5	11
6	Impact of Conformational Transitions on SPR Signalsâ€”Theoretical Treatment and Application in Small Analytes/Aptamer Recognition. Journal of Physical Chemistry C, 2018, 122, 21521-21530.	3.1	12
7	Sensor Based on Aptamer Folding to Detect Low-Molecular Weight Analytes. Analytical Chemistry, 2015, 87, 7566-7574.	6.5	47
8	Interaction of Polycationic Ni(II)-Salophen Complexes with G-Quadruplex DNA. Inorganic Chemistry, 2014, 53, 12519-12531.	4.0	44
9	Amphipol mediated surface immobilization of FhuA: a platform for label-free detection of the bacteriophage protein pb5. Chemical Communications, 2012, 48, 6037.	4.1	20
10	Tethered Bilayer Lipid Membranes on Mixed Self-Assembled Monolayers of a Novel Anchoring Thiol: Impact of the Anchoring Thiol Density on Bilayer Formation. Langmuir, 2011, 27, 14317-14328.	3.5	31
11	Templateâ€Assembled Synthetic Gâ€Quadruplex (TASQ): A Useful System for Investigating the Interactions of Ligands with Constrained Quadruplex Topologies. Chemistry - A European Journal, 2010, 16, 6106-6114.	3.3	57
12	Electrochemically Controlled Adsorption of Fc-Functionalized Polymers on Î²-CD-Modified Self-Assembled Monolayers. Langmuir, 2010, 26, 13976-13986.	3.5	40
13	The Flexible Motif V of Epstein-Barr Virus Deoxyuridine 5â€²-Triphosphate Pyrophosphatase Is Essential for Catalysis. Journal of Biological Chemistry, 2009, 284, 25280-25289.	3.4	27
14	A Novel Conformationally Constrained Parallel G Quadruplex. ChemBioChem, 2008, 9, 2588-2591.	2.6	45
15	Promotion of sugarâ€“lectin recognition through the multiple sugar presentation offered by regioselectively addressable functionalized templates (RAFT): a QCM-D and SPR study. Organic and Biomolecular Chemistry, 2008, 6, 1114.	2.8	47
16	Randomized Combinatorial Library of Heteroglycoclusters (hGC). ACS Combinatorial Science, 2008, 10, 368-371.	3.3	25
17	Multilayer films based on hostâ€“guest interactions between biocompatible polymers. Chemical Communications, 2006, , 3220-3222.	4.1	55
18	Analytical Investigation of the Interactions between SC3 Hydrophobin and Lipid Layers:Â Elaborating of Nanostructured Matrixes for Immobilizing Redox Systems. Analytical Chemistry, 2006, 78, 4850-4864.	6.5	29

#	Article	IF	Citations
19	Formation of Langmuir Layers and Surface Modification Using New Upper-Rim Fully Tethered Bipyridinyl or Bithiazolyl Cyclodextrins and Their Fluorescent Metal Complexes. Langmuir, 2004, 20, 5338-5346.	3.5	9
20	Interfacial Approach to Aluminum Toxicity:Â Interactions of Al(III) and Pr(III) with Model Phospholipid Bilayer and Monolayer Membranes. Langmuir, 2003, 19, 8697-8708.	3.5	15
21	Probing Inter- and Intramolecular Interactions of Six New p-tert-Butylcalix[4]arene-Based Bipyridyl Podands with Langmuir Monolayers. Langmuir, 2002, 18, 8854-8861.	3.5	23
22	Modification of Electrodes with Self-Assembled Hydrophobin Layers. Journal of Physical Chemistry B, 2001, 105, 9772-9777.	2.6	45