Yao Wu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7801626/publications.pdf

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17 papers	662 citations	687363 13 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	869 citing authors

#	Article	IF	Citations
1	Sensitive detection of human breast cancer cells based on aptamerâ€“cellâ€“aptamer sandwich architecture. Analytica Chimica Acta, 2013, 764, 59-63.	5.4	96
2	Perspective on the Future Role of Aptamers in Analytical Chemistry. Analytical Chemistry, 2019, 91, 15335-15344.	6.5	89
3	Fabrication of a Highly Sensitive Aptasensor for Potassium with a Nicking Endonuclease-Assisted Signal Amplification Strategy. Analytical Chemistry, 2011, 83, 4085-4089.	6.5	87
4	Electrochemical Aptamer-Based Sensor for Real-Time Monitoring of Insulin. ACS Sensors, 2019, 4, 498-503.	7.8	75
5	Microneedle Aptamer-Based Sensors for Continuous, Real-Time Therapeutic Drug Monitoring. Analytical Chemistry, 2022, 94, 8335-8345.	6.5	68
6	Development of a â€œsignal-onâ€•electrochemical DNA sensor with an oligo-thymine spacer for point mutation detection. Chemical Communications, 2013, 49, 3422.	4.1	49
7	Effects of DNA Probe and Target Flexibility on the Performance of a â€œSignal-onâ€•Electrochemical DNA Sensor. Analytical Chemistry, 2014, 86, 8888-8895.	6.5	35
8	Electrochemical Gold(III) Sensor with High Sensitivity and Tunable Dynamic Range. Analytical Chemistry, 2016, 88, 2227-2233.	6.5	31
9	Electrochromic, Closed-Bipolar Electrodes Employing Aptamer-Based Recognition for Direct Colorimetric Sensing Visualization. Analytical Chemistry, 2019, 91, 11467-11473.	6.5	30
10	A reagentless DNAâ€based electrochemical silver(I) sensor for real time detection of Ag(I) â€“ the effect of probe sequence and orientation on sensor response. Biotechnology Journal, 2016, 11, 788-796.	3.5	26
11	Tunable Signal-Off and Signal-On Electrochemical Cisplatin Sensor. Analytical Chemistry, 2017, 89, 9984-9989.	6.5	24
12	Electrochemical Detection of Platinum(IV) Prodrug Satraplatin in Serum. Analytical Chemistry, 2015, 87, 11092-11097.	6.5	15
13	Electrocatalytic Mechanism for Improving Sensitivity and Specificity of Electrochemical Nucleic Acid-Based Sensors with Covalent Redox Tagsâ€”Part I. ACS Sensors, 2020, 5, 3833-3841.	7.8	14
14	Colorimetric and Electrochemical Study on the Interaction Between Gold Nanoparticles and Unmodified DNA. Current Nanoscience, 2011, 7, 359-365.	1.2	9
15	Use of Electrocatalysis for Differentiating DNA Polymorphisms and Enhancing the Sensitivity of Electrochemical Nucleic Acid-Based Sensors with Covalent Redox Tagsâ€”Part II. ACS Sensors, 2020, 5, 3842-3849.	7.8	7
16	Effects of DNA Probe Length on the Performance of a Dynamicsâ€based Electrochemical Hg(II) Sensor. Electroanalysis, 2017, 29, 2239-2245.	2.9	6
17	Ultrasensitive label-free tobramycin detection with aptamer-functionalized ZnO TFT biosensor. , 2018, , .		1