

Yao Wu

List of Publications by Year in descending order

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17
papers

662
citations

687363

13
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940533

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docs citations

17
times ranked

869
citing authors

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