

Jun Ki Ahn

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

371
citations

840776

11
h-index

839539

18
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18
all docs

18
docs citations

18
times ranked

565
citing authors

#	ARTICLE	IF	CITATIONS
1	High sensitive and selective electrochemical biosensor: Label-free detection of human norovirus using affinity peptide as molecular binder. <i>Biosensors and Bioelectronics</i> , 2017, 87, 164-170.	10.1	127
2	A Personal Glucose Meter for Label-Free and Washing-Free Biomolecular Detection. <i>Analytical Chemistry</i> , 2018, 90, 11340-11343.	6.5	35
3	Ultrasensitive version of nucleic acid sequence-based amplification (NASBA) utilizing a nicking and extension chain reaction system. <i>Nanoscale</i> , 2021, 13, 10785-10791.	5.6	31
4	Rapid and label-free, electrochemical DNA detection utilizing the oxidase-mimicking activity of cerium oxide nanoparticles. <i>Electrochemistry Communications</i> , 2019, 99, 5-10.	4.7	29
5	A new s-adenosylhomocysteine hydrolase-linked method for adenosine detection based on DNA-templated fluorescent Cu/Ag nanoclusters. <i>Biosensors and Bioelectronics</i> , 2017, 93, 330-334.	10.1	23
6	A novel electrochemical method to detect theophylline utilizing silver ions captured within abasic site-incorporated duplex DNA. <i>Biosensors and Bioelectronics</i> , 2015, 67, 590-594.	10.1	18
7	An impedimetric determination of alkaline phosphatase activity based on the oxidation reaction mediated by Cu ²⁺ bound to poly-thymine DNA. <i>RSC Advances</i> , 2018, 8, 11241-11246.	3.6	15
8	Portable glucose meter-based label-free strategy for target DNA detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127808.	7.8	15
9	Label-free and washing-free alkaline phosphatase assay using a personal glucose meter. <i>Journal of Biological Engineering</i> , 2019, 13, 51.	4.7	14
10	A one-step and label-free, electrochemical DNA detection using metal ion-mediated molecular beacon probe. <i>Electrochemistry Communications</i> , 2019, 100, 64-69.	4.7	14
11	A hairpin probe-mediated isothermal amplification method to detect target nucleic acid. <i>Analytica Chimica Acta</i> , 2020, 1114, 7-14.	5.4	12
12	Abasic Site-Assisted Inhibition of Nicking Endonuclease Activity for the Sensitive Determination of Uracil DNA Glycosylase. <i>Biotechnology Journal</i> , 2018, 13, e1700603.	3.5	8
13	Washing-free Electrochemical Strategy to Detect Target DNA Utilizing Peroxidase Mimicking DNAzyme. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 707-714.	2.6	7
14	Rapid and label-free strategy for the sensitive detection of Hg ²⁺ based on target-triggered exponential strand displacement amplification. <i>RSC Advances</i> , 2017, 7, 47143-47147.	3.6	6
15	An electrochemical immunosensing system on patterned electrodes for immunoglobulin E detection. <i>Analytical Methods</i> , 2019, 11, 4410-4415.	2.7	6
16	New Surface Capacitive Touchscreen Technology To Detect DNA. <i>ACS Sensors</i> , 2016, 1, 560-565.	7.8	4
17	Immunoglobulin E Detection Method Based on Cascade Enzymatic Reaction Utilizing Portable Personal Glucose Meter. <i>Sensors</i> , 2021, 21, 6396.	3.8	4
18	Vapor-phase deposition-based self-assembled monolayer for an electrochemical sensing platform. <i>AIP Advances</i> , 2020, 10, .	1.3	3