

Gang Yi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9069492/publications.pdf>

Version: 2024-02-01

10
papers

231
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

403
citing authors

#	ARTICLE	IF	CITATIONS
1	An electrochemical biosensor for microRNA-196a detection based on cyclic enzymatic signal amplification and template-free DNA extension reaction with the adsorption of methylene blue. <i>Biosensors and Bioelectronics</i> , 2018, 105, 103-108.	10.1	61
2	Ultrasensitive electrochemical biosensor for specific detection of DNA based on molecular beacon mediated circular strand displacement polymerization and hyperbranched rolling circle amplification. <i>Analytica Chimica Acta</i> , 2016, 934, 52-58.	5.4	43
3	Two-layer three-dimensional DNA walker with highly integrated entropy-driven and enzyme-powered reactions for HIV detection. <i>Biosensors and Bioelectronics</i> , 2019, 133, 243-249.	10.1	39
4	Target-induced aptamer displacement on gold nanoparticles and rolling circle amplification for ultrasensitive live <i>Salmonella typhimurium</i> electrochemical biosensing. <i>Journal of Electroanalytical Chemistry</i> , 2018, 826, 174-180.	3.8	32
5	A simple and ultrasensitive electrochemical biosensor for detection of microRNA based on hybridization chain reaction amplification. <i>Journal of Electroanalytical Chemistry</i> , 2015, 758, 20-25.	3.8	21
6	Electrochemical Aptasensor for Rapid and Sensitive Determination of <i>Salmonella</i> Based on Target-Induced Strand Displacement and Gold Nanoparticle Amplification. <i>Analytical Letters</i> , 2016, 49, 2405-2417.	1.8	16
7	A Hairpin Electrochemical Aptasensor for Sensitive and Specific Detection of Thrombin Based on Homogenous Target Recognition. <i>Electroanalysis</i> , 2013, 25, 1223-1229.	2.9	9
8	Symmetric exponential amplification reaction-based DNA nanomachine for the fluorescent detection of nucleic acids. <i>RSC Advances</i> , 2019, 9, 41305-41310.	3.6	4
9	Polymerase/Nicking Enzyme Powered Dual-template Multi-cycle G-Triplex Machine for HIV-1 Determination. <i>Analytical Sciences</i> , 2021, 37, 1087-1093.	1.6	4
10	The fluorescence amplification strategy based on 3D DNA walker and CRISPR/Cas12a for the rapid detection of BRAF V600E. <i>Analytical Sciences</i> , 2022, 38, 1057-1066.	1.6	2