

Zewei Luo

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,062
citations

361413
20
h-index

414414
32
g-index

32
all docs

32
docs citations

32
times ranked

1266
citing authors

#	ARTICLE	IF	CITATIONS
1	Research progress of DNA walker and its recent applications in biosensor. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115626.	11.4	94
2	Label-Free and Enzyme-Free Colorimetric Detection of Pb ²⁺ Based on RNA Cleavage and Annealing-Accelerated Hybridization Chain Reaction. <i>Analytical Chemistry</i> , 2019, 91, 4806-4813.	6.5	84
3	Fiber Optic Surface Plasmon Resonance-Based Biosensor Technique: Fabrication, Advancement, and Application. <i>Critical Reviews in Analytical Chemistry</i> , 2016, 46, 213-223.	3.5	78
4	The Recent Development of Hybridization Chain Reaction Strategies in Biosensors. <i>ACS Sensors</i> , 2020, 5, 2977-3000.	7.8	76
5	Design strategies of AuNPs-based nucleic acid colorimetric biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115795.	11.4	71
6	Fluorescent aptasensor for antibiotic detection using magnetic bead composites coated with gold nanoparticles and a nicking enzyme. <i>Analytica Chimica Acta</i> , 2017, 984, 177-184.	5.4	68
7	Î©-Shaped Fiber-Optic Probe-Based Localized Surface Plasmon Resonance Biosensor for Real-Time Detection of <i>Salmonella</i> Typhimurium. <i>Analytical Chemistry</i> , 2018, 90, 13640-13646.	6.5	55
8	An aptamer based method for small molecules detection through monitoring salt-induced AuNPs aggregation and surface plasmon resonance (SPR) detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 474-479.	7.8	52
9	Ultrasensitive U-shaped fiber optic LSPR cytosensing for label-free and in situ evaluation of cell surface N-glycan expression. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 582-588.	7.8	40
10	New findings of silica nanoparticles induced ER autophagy in human colon cancer cell. <i>Scientific Reports</i> , 2017, 7, 42591.	3.3	38
11	Poly-adenine regulated DNA density on AuNPs to construct efficient DNA walker for microRNA-21 detection. <i>Talanta</i> , 2020, 217, 121056.	5.5	37
12	Catalytic hairpin assembly as cascade nucleic acid circuits for fluorescent biosensor: Design, evolution and application. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 151, 116582.	11.4	32
13	A Facile, Label-Free, and Universal Biosensor Platform Based on Target-Induced Graphene Oxide Constrained DNA Dissociation Coupling with Improved Strand Displacement Amplification. <i>ACS Sensors</i> , 2018, 3, 2423-2431.	7.8	30
14	Multichannel-Structured Three-Dimensional Chip for Highly Sensitive Pathogenic Bacteria Detection Based on Fast DNA-Programmed Signal Polymerization. <i>Analytical Chemistry</i> , 2018, 90, 12019-12026.	6.5	28
15	A novel FRET biosensor based on four-way branch migration HCR for <i>Vibrio parahaemolyticus</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126577.	7.8	27
16	An efficient localized catalytic hairpin assembly-based DNA nanomachine for miRNA-21 imaging in living cells. <i>Analyst</i> , 2021, 146, 3041-3051.	3.5	26
17	An enzyme-mediated universal fluorescent biosensor template for pathogen detection based on a three-dimensional DNA walker and catalyzed hairpin assembly. <i>Nanoscale</i> , 2021, 13, 2492-2501.	5.6	24
18	A rapid, adaptative DNA biosensor based on molecular beacon-concatenated dual signal amplification strategies for ultrasensitive detection of p53 gene and cancer cells. <i>Talanta</i> , 2020, 210, 120638.	5.5	23

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19	Development of a rapid and ultra-sensitive cytosensor: $\hat{\text{I}}\text{C}$ -shaped fiber optic LSPR integrated with suitable AuNPs coverage. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129706.	7.8	21
20	Toehold-mediated strand displacement reaction formation of three-way junction DNA structure combined with nicking enzyme signal amplification for highly sensitive colorimetric detection of <i>Salmonella Typhimurium</i> . <i>Analytica Chimica Acta</i> , 2020, 1139, 138-145.	5.4	20
21	Combining autophagy-inducing peptides and brefeldin A delivered by perinuclear-localized mesoporous silica nanoparticles: a manipulation strategy for ER-phagy. <i>Nanoscale</i> , 2018, 10, 8796-8805.	5.6	19
22	Sandwich method-based sensitivity enhancement of $\hat{\text{I}}\text{C}$ -shaped fiber optic LSPR for time-flexible bacterial detection. <i>Biosensors and Bioelectronics</i> , 2022, 201, 113911.	10.1	18
23	Investigation of biomarkers for discriminating breast cancer cell lines from normal mammary cell lines based on VOCs analysis and metabolomics. <i>RSC Advances</i> , 2016, 6, 41816-41824.	3.6	16
24	A dual-functional fluorescent biosensor based on enzyme-involved catalytic hairpin assembly for the detection of APE1 and miRNA-21. <i>Analyst, The</i> , 2022, 147, 2834-2842.	3.5	14
25	Low-Triggering-Potential Electrochemiluminescence from a Luminol Analogue Functionalized Semiconducting Polymer Dots for Imaging Detection of Blood Glucose. <i>Analytical Chemistry</i> , 2022, 94, 5615-5623.	6.5	13
26	Hybridized nanolayer modified $\hat{\text{I}}\text{C}$ -shaped fiber-optic synergistically enhances localized surface plasma resonance for ultrasensitive cytosensor and efficient photothermal therapy. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113599.	10.1	12
27	Preparation and tumor cell model based biobehavioral evaluation of the nanocarrier system using partially reduced graphene oxide functionalized by surfactant. <i>International Journal of Nanomedicine</i> , 2015, 10, 4605.	6.7	11
28	In situ targeting TEM8 via immune response and polypeptide recognition by wavelength-modulated surface plasmon resonance biosensor. <i>Scientific Reports</i> , 2016, 6, 20006.	3.3	10
29	A highly sensitive fluorescence biosensor for detection of <i>Staphylococcus aureus</i> based on HCR-mediated three-way DNA junction nicking enzyme assisted signal amplification. <i>Analyst, The</i> , 2021, 146, 6528-6536.	3.5	9
30	Optical section structured illumination-based FRET resonance energy transfer imaging. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2022, 101, 264-272.	1.5	7
31	DNA specificity detection with high discrimination performance in silver nanoparticle coupled directional fluorescence spectrometry. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2306-2313.	7.8	5
32	A colorimetric sensing platform based on site-specific endonuclease IV-aided signal amplification for the detection of DNA related to the human immunodeficiency virus. <i>Analytical Methods</i> , 2019, 11, 2190-2196.	2.7	4