

Xiaofeng Liu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

588
citations

759233

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839539

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docs citations

18
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct quantification of cancerous exosomes via surface plasmon resonance with dual gold nanoparticle-assisted signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 135, 129-136.	10.1	154
2	Point-of-Care Assay of Alkaline Phosphatase Enzymatic Activity Using a Thermometer or Temperature Discoloration Sticker as Readout. <i>Analytical Chemistry</i> , 2019, 91, 7943-7949.	6.5	82
3	Low-Fouling Surface Plasmon Resonance Sensor for Highly Sensitive Detection of MicroRNA in a Complex Matrix Based on the DNA Tetrahedron. <i>Analytical Chemistry</i> , 2018, 90, 12584-12591.	6.5	80
4	High sensitivity surface plasmon resonance biosensor for detection of microRNA based on gold nanoparticles-decorated molybdenum sulfide. <i>Analytica Chimica Acta</i> , 2017, 993, 55-62.	5.4	62
5	Surface plasmon resonance assay for exosomes based on aptamer recognition and polydopamine-functionalized gold nanoparticles for signal amplification. <i>Mikrochimica Acta</i> , 2020, 187, 251.	5.0	31
6	Exploring Interactions of Aptamers with A β ₄₀ Amyloid Aggregates and Its Application: Detection of Amyloid Aggregates. <i>Analytical Chemistry</i> , 2020, 92, 2853-2858.	6.5	29
7	Optical fiber amplifier for quantitative and sensitive point-of-care testing of myoglobin and miRNA-141. <i>Biosensors and Bioelectronics</i> , 2019, 129, 87-92.	10.1	28
8	DNA Hydrogelation-Enhanced Imaging Ellipsometry for Sensing Exosomal microRNAs with a Tunable Detection Range. <i>Analytical Chemistry</i> , 2020, 92, 11953-11959.	6.5	25
9	Aptamer as a Tool for Investigating the Effects of Electric Field on A β ₄₀ Monomer and Aggregates Using Single-Molecule Force Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 1954-1961.	6.5	17
10	Photothermal and fluorescent dual-mode assay based on the formation of polydopamine nanoparticles for accurate determination of organophosphate pesticides. <i>Mikrochimica Acta</i> , 2020, 187, 652.	5.0	16
11	The mechanisms of HSA@PDA/Fe nanocomposites with enhanced nanozyme activity and their application in intracellular H ₂ O ₂ detection. <i>Nanoscale</i> , 2020, 12, 24206-24213.	5.6	15
12	Construction of Bio/Nanointerfaces: Stable Gold Nanoparticle Bioconjugates in Complex Systems. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40817-40825.	8.0	13
13	Optical fiber amplifier and thermometer assisted point-of-care biosensor for detection of cancerous exosomes. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130893.	7.8	10
14	Engineering and Application of a Myoglobin Binding Split Aptamer. <i>Analytical Chemistry</i> , 2020, 92, 14576-14581.	6.5	9
15	Investigation of the interaction between split aptamer and vascular endothelial growth factor 165 using single molecule force spectroscopy. <i>Journal of Molecular Recognition</i> , 2020, 33, e2829.	2.1	5
16	Polymer-assisted Au@PDA nanoparticles lyophilized powder with high stability and low adsorption and its application in colorimetric biosensing. <i>Analytica Chimica Acta</i> , 2022, 1220, 339995.	5.4	5
17	Sequence-Dependent DNA-Mediated Fluorescent Polydopamine Nanoparticles for Detection and Removal of Copper(II) ions. <i>ACS Applied Nano Materials</i> , 2022, 5, 2038-2047.	5.0	4
18	Microcapillary-based multicolor assay for quantitative and sensitive point-of-care testing of proteins. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113370.	10.1	3