

Yixin Nie

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

575
citations

623734

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#	ARTICLE	IF	CITATIONS
1	Wavelength-Dependent Surface Plasmon Coupling Electrochemiluminescence Biosensor Based on Sulfur-Doped Carbon Nitride Quantum Dots for K-RAS Gene Detection. <i>Analytical Chemistry</i> , 2019, 91, 13780-13786.	6.5	67
2	A novel high efficient electrochemiluminescence sensor based on reductive Cu(I) particles catalyzed Zn-doped MoS ₂ QDs for HPV 16 DNA determination. <i>Biosensors and Bioelectronics</i> , 2020, 160, 112217.	10.1	65
3	Sulfur Regulated Boron Nitride Quantum Dots Electrochemiluminescence with Amplified Surface Plasmon Coupling Strategy for BRAF Gene Detection. <i>Analytical Chemistry</i> , 2019, 91, 6250-6258.	6.5	58
4	Distance-dependent plasmon-enhanced electrochemiluminescence biosensor based on MoS ₂ nanosheets. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111823.	10.1	53
5	Polarized-Electrochemiluminescence Biosensor Based on Surface Plasmon Coupling Strategy and Fluorine-Doped BN Quantum Dots. <i>Analytical Chemistry</i> , 2020, 92, 9223-9229.	6.5	41
6	Multiplex Electrochemiluminescence Polarization Assay Based on the Surface Plasmon Coupling Effect of Au NPs and Ag@Au NPs. <i>Analytical Chemistry</i> , 2021, 93, 7491-7498.	6.5	37
7	MXene-Derived Quantum Dot@Gold Nanobones Heterostructure-Based Electrochemiluminescence Sensor for Triple-Negative Breast Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 17086-17093.	6.5	29
8	A novel fluorimetric sensing strategy for highly sensitive detection of phytic acid and hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2018, 1039, 74-81.	5.4	25
9	Luminous MoS ₂ nanosheet-based electrochemiluminescence biosensor with biomimetic vesicle for miRNA-210 detection. <i>Talanta</i> , 2022, 237, 122969.	5.5	25
10	Novel coreactant modifier-based amplified electrochemiluminescence sensing method for point-of-care diagnostics of galactose. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111318.	10.1	21
11	Fe ₃ O ₄ NP@ZIF-8/MoS ₂ QD-based electrochemiluminescence with nanosurface energy transfer strategy for point-of-care determination of ATP. <i>Analytica Chimica Acta</i> , 2020, 1127, 190-197.	5.4	21
12	Gold Nanorod Vertical Array-Based Electrochemiluminescence Polarization Assay for Triple-Negative Breast Cancer Detection. <i>Analytical Chemistry</i> , 2022, 94, 1221-1229.	6.5	17
13	Surface plasmon coupling electrochemiluminescence assay based on the use of AuNP@C ₃ N ₄ QD@mSiO ₂ for the determination of the Shiga toxin-producing <i>Escherichia coli</i> (STEC) gene. <i>Mikrochimica Acta</i> , 2019, 186, 656.	5.0	15
14	Highly sensitive label-free fluorescence determination of lymphotropic virus DNA based on exonuclease assisted target recycling amplification and in-situ generation of fluorescent copper nanoclusters. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128847.	7.8	14
15	A novel work function tuning strategy-based ECL sensor with sulfur dots and Au NP@MoS ₂ nanosheet heterostructure for triple-negative breast cancer diagnosis. <i>Chemical Engineering Journal</i> , 2022, 446, 136906.	12.7	12
16	Ag ₃ PO ₄ NP@MoS ₂ nanosheet enhanced F, S-doped BN quantum dot electrochemiluminescence biosensor for K-ras tumor gene detection. <i>Talanta</i> , 2021, 228, 122221.	5.5	11
17	Polarization-Resolved Electrochemiluminescence Sensor Based on the Surface Plasmon Coupling Effect of a Au Nanotriangle-Patterned Structure. <i>Analytical Chemistry</i> , 2021, 93, 15785-15793.	6.5	11
18	A novel cys-cysteine regulated polydopamine nanoparticle-based electrochemiluminescence image application. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8592-8600.	5.5	10

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19	Rational Fabrication of a Smart Electrochemiluminescent Sensor: Synergistic Effect of a Self-Luminous Faraday Cage and Biomimetic Magnetic Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 7508-7515.	6.5	10
20	A visual electrochemiluminescence biosensor based on CuInZnS quantum dots for superoxide dismutase detection. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1893-1899.	3.7	10
21	A novel bacterial imprinted polymers- electrochemiluminescent sensor for <i>Lactobacillus salivarius</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131467.	7.8	8
22	Construction of a Sensing Platform Based on DNA-Encoded Magnetic Beads and Copper Nanoclusters for Viral Gene Analysis with Target Recycling Amplification. <i>ACS Applied Bio Materials</i> , 2021, 4, 5669-5677.	4.6	7
23	Tunable plasmon-assisted electrochemiluminescence strategy for determination of the rapidly accelerated fibrosarcoma B-type (BRAF) gene using concave gold nanocubes. <i>Mikrochimica Acta</i> , 2020, 187, 599.	5.0	6
24	A Visual FRET Immunofluorescent Biosensor for Ratiometric Parathyroid Hormone (1 α -84) Antigen Point-of-Care Detection. <i>Journal of Fluorescence</i> , 2020, 30, 329-334.	2.5	2