

Nuo Zhang

List of Publications by Year in descending order

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23
papers

648
citations

516710

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24
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docs citations

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times ranked

558
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#	ARTICLE	IF	CITATIONS
1	Ultrasensitive photoelectrochemical immunosensor for the detection of amyloid β -protein based on SnO ₂ /SnS ₂ /Ag ₂ S nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018, 120, 1-7.	10.1	77
2	Bioactivity-Protected Electrochemiluminescence Biosensor Using Gold Nanoclusters as the Low-Potential Luminophor and Cu ₂ S Snowflake as Co-reaction Accelerator for Procalcitonin Analysis. <i>ACS Sensors</i> , 2019, 4, 1909-1916.	7.8	65
3	Double electrochemiluminescence quenching effects of Fe ₃ O ₄ @PDA-CuXO towards self-enhanced Ru(bpy) ₃ ²⁺ functionalized MOFs with hollow structure and its application to procalcitonin immunosensing. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111521.	10.1	50
4	Label-free electrochemical immunosensor based on biocompatible nanoporous Fe ₃ O ₄ and biotin-streptavidin system for sensitive detection of zearalenone. <i>Analyst</i> , 2020, 145, 1368-1375.	3.5	50
5	A dual-mode PCT electrochemical immunosensor with CuCo ₂ S ₄ bimetallic sulfides as enhancer. <i>Biosensors and Bioelectronics</i> , 2020, 163, 112280.	10.1	47
6	Electrochemiluminescence Double Quenching System Based on Novel Emitter GdPO ₄ :Eu with Low-Excited Positive Potential for Ultrasensitive Procalcitonin Detection. <i>ACS Sensors</i> , 2019, 4, 2825-2831.	7.8	44
7	Cobalt-based metal-organic frameworks as co-reaction accelerator for enhancing electrochemiluminescence behavior of N-(aminobutyl)-N-(ethylisoluminol) and ultrasensitive immunosensing of amyloid- β protein. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 319-328.	7.8	42
8	Ultrasensitive amyloid- β proteins detection based on curcumin conjugated ZnO nanoparticles quenching electrochemiluminescence behavior of luminol immobilized on Au@MoS ₂ /Bi ₂ S ₃ nanorods. <i>Biosensors and Bioelectronics</i> , 2019, 131, 136-142.	10.1	42
9	Highly-branched Cu ₂ O as well-ordered co-reaction accelerator for amplifying electrochemiluminescence response of gold nanoclusters and procalcitonin analysis based on protein bioactivity maintenance. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111676.	10.1	29
10	Rational design of bimetallic Rh _{0.6} Ru _{0.4} nanoalloys for enhanced nitrogen reduction electrocatalysis under mild conditions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 259-263.	10.3	25
11	Enhancing Electrochemiluminescence Efficiency through Introducing Atomically Dispersed Ruthenium in Nickel-Based Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2022, 94, 10557-10566.	6.5	24
12	PEGylation Improved Electrochemiluminescence Supramolecular Assembly of Iridium(III) Complexes in Apoferritin for Immunoassays Using 2D/2D MXene/TiO ₂ Hybrids as Signal Amplifiers. <i>Analytical Chemistry</i> , 2021, 93, 16906-16914.	6.5	23
13	A photoelectrochemical immunosensor based on CdS/CdTe-cosensitized SnO ₂ as a platform for the ultrasensitive detection of amyloid β -protein. <i>Analyst</i> , 2020, 145, 619-625.	3.5	19
14	Bifunctional Pd-decorated polysulfide nanoparticle of Co ₉ S ₈ supported on graphene oxide: A new and efficient label-free immunosensor for amyloid β -protein detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127413.	7.8	18
15	Magnetic electrode-based electrochemical immunosensor using amorphous bimetallic sulfides of CoSn _x as signal amplifier for the NT pro BNP detection. <i>Biosensors and Bioelectronics</i> , 2019, 131, 250-256.	10.1	17
16	Nanoarrays-processed in situ photoelectrochemical system for microRNA detection. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114291.	10.1	16
17	Interface engineering of MoS ₂ @Fe(OH) ₃ nanoarray heterostructure: Electrodeposition of MoS ₂ @Fe(OH) ₃ as N ₂ and H ⁺ channels for artificial NH ₃ synthesis under mild conditions. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1374-1379.	9.4	15
18	Microfluidic Ratiometric Photoelectrochemical Biosensor Using a Magnetic Field on a Photochromic Composite Platform: A Proof-of-Concept Study for Magnetic-Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2021, 93, 13680-13686.	6.5	14

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19	A cardiac troponin I photoelectrochemical immunosensor: nitrogen-doped carbon quantum dotsâ€“bismuth oxyiodideâ€“flower-like SnO ₂ . Mikrochimica Acta, 2020, 187, 332.	5.0	13
20	A procalcitonin photoelectrochemical immunosensor: NCQDs and Sb ₂ S ₃ co-sensitized hydrangea-shaped WO ₃ as a matrix through a layer-by-layer assembly. New Journal of Chemistry, 2020, 44, 2452-2458.	2.8	10
21	A photoelectrochemical aptasensor for the detection of 17 β -estradiol based on In ₂ S ₃ and CdS co-sensitized cerium doped TiO ₂ . New Journal of Chemistry, 2020, 44, 346-353.	2.8	4
22	Meso-Tetra-(3,5-Dibromo-4-Hydroxyhydroxyphenyl) Porphyrin Copper (II) Self-Assembled Modified Gold Electrode Through L-Cysteine: The Preparation, Electrochemical Behavior and its Application. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 871-875.	3.7	3
23	Self-Aggregation Behavior of <i>meso</i> -Tetra-(4-trimethylaminophenyl)porphyrin Encapsulated in Reverse Micelles. Spectroscopy Letters, 2010, 43, 275-281.	1.0	1