

Bingqian Liu

List of Publications by Year in descending order

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32
papers

1,258
citations

394421

19
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1835
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-Based Hybridization Chain Reaction for Amplified Bioelectronic Signal and Ultrasensitive Detection of Proteins. <i>Analytical Chemistry</i> , 2012, 84, 5392-5399.	6.5	381
2	Au(III)-promoted magnetic molecularly imprinted polymer nanospheres for electrochemical determination of streptomycin residues in food. <i>Biosensors and Bioelectronics</i> , 2013, 41, 551-556.	10.1	91
3	Proximity Ligation Assay with Three-Way Junction-Induced Rolling Circle Amplification for Ultrasensitive Electronic Monitoring of Concanavalin A. <i>Analytical Chemistry</i> , 2014, 86, 7773-7781.	6.5	70
4	Multifunctional Gold-Silica Nanostructures for Ultrasensitive Electrochemical Immunoassay of Streptomycin Residues. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4668-4676.	8.0	69
5	Redox and catalysis all-in-one™ infinite coordination polymer for electrochemical immunosensor of tumor markers. <i>Biosensors and Bioelectronics</i> , 2015, 64, 6-12.	10.1	58
6	A New Electrochemical Biosensor for Determination of Hydrogen Peroxide in Food Based on Well-Dispersive Gold Nanoparticles on Graphene Oxide. <i>Electroanalysis</i> , 2011, 23, 1821-1829.	2.9	52
7	Biotin-avidin-conjugated metal sulfide nanoclusters for simultaneous electrochemical immunoassay of tetracycline and chloramphenicol. <i>Mikrochimica Acta</i> , 2014, 181, 257-262.	5.0	50
8	Molecular Imprint for Electrochemical Detection of Streptomycin Residues Using Enzyme Signal Amplification. <i>Electroanalysis</i> , 2013, 25, 531-537.	2.9	48
9	Nickel-functionalized reduced graphene oxide with polyaniline for non-enzymatic glucose sensing. <i>Mikrochimica Acta</i> , 2015, 182, 625-631.	5.0	43
10	Au(III)-assisted core-shell iron oxide@poly(o-phenylenediamine) nanostructures for ultrasensitive electrochemical aptasensors based on DNase I-catalyzed target recycling. <i>Chemical Communications</i> , 2012, 48, 2624.	4.1	40
11	Synthesis of patterned nanogold and mesoporous CoFe ₂ O ₄ nanoparticle assemblies and their application in clinical immunoassays. <i>Nanoscale</i> , 2011, 3, 2220.	5.6	35
12	Amplified electrochemical sensing of lead ion based on DNA-mediated self-assembly-catalyzed polymerization. <i>Biosensors and Bioelectronics</i> , 2015, 69, 230-234.	10.1	35
13	Sensitive detection of hydrogen peroxide in foodstuff using an organic-inorganic hybrid multilayer-functionalized graphene biosensing platform. <i>Mikrochimica Acta</i> , 2011, 174, 137-144.	5.0	33
14	Target-regulated proximity hybridization with three-way DNA junction for in situ enhanced electronic detection of marine biotoxin based on isothermal cycling signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015, 69, 241-248.	10.1	31
15	Molecular Dipole-Induced Photoredox Catalysis for Hydrogen Evolution over Self-Assembled Naphthalimide Nanoribbons. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	31
16	One-step electrochemical immunoassay of biomarker based on nanogold-functionalized graphene sensing platform. <i>Analytical Methods</i> , 2011, 3, 1615.	2.7	23
17	An omega-like DNA nanostructure utilized for small molecule introduction to stimulate formation of DNAzyme aptamer conjugates. <i>Chemical Communications</i> , 2014, 50, 1900-1902.	4.1	21
18	A graphene-based Au(111) platform for electrochemical biosensing based catalytic recycling of products on gold nanoflowers. <i>Analyst, The</i> , 2011, 136, 2218.	3.5	20

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19	NiCoBP-doped carbon nanotube hybrid: A novel oxidase mimetic system for highly efficient electrochemical immunoassay. <i>Analytica Chimica Acta</i> , 2014, 851, 49-56.	5.4	19
20	Target-induced biomolecular release for sensitive aptamer-based electrochemical detection of small molecules from magnetic graphene. <i>RSC Advances</i> , 2011, 1, 40.	3.6	17
21	Cleavage of Metal-Ion-Induced DNAzymes Released from Nanolabels for Highly Sensitive and Specific Immunoassay. <i>Bioconjugate Chemistry</i> , 2013, 24, 678-683.	3.6	17
22	Cadmium ion-doped magnetic poly(styrene-acrylic acid) nanospheres for sensitive electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2012, 35, 461-465.	10.1	15
23	Metal sulfide-functionalized DNA concatamer for ultrasensitive electronic monitoring of ATP using a programmable capillary-based aptasensor. <i>Biosensors and Bioelectronics</i> , 2014, 53, 390-398.	10.1	15
24	Digital multimeter-based immunosensing strategy for sensitive monitoring of biomarker by coupling an external capacitor with an enzymatic catalysis. <i>Biosensors and Bioelectronics</i> , 2014, 55, 255-258.	10.1	12
25	Signal-on photoelectrochemical immunoassay for salivary cortisol based on silver nanoclusters-triggered ion-exchange reaction with CdS quantum dots. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3033-3042.	3.7	8
26	Molecular Dipole-Induced Photoredox Catalysis for Hydrogen Evolution over Self-Assembled Naphthalimide Nanoribbons. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
27	TiO ₂ /CuInS ₂ -sensitized structure for sensitive photoelectrochemical immunoassay of cortisol in saliva. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 749-759.	2.5	5
28	Enhanced Immunosensor Using a Handheld pH Meter for the Point-of-care, Sensitive Detection of Prostate Specific Antigen. <i>Electroanalysis</i> , 0, , .	2.9	4
29	A ratiometric electrochemical strategy based on Fe (iii) and Pt (iv) for immobilization-free detection of <i>Escherichia coli</i> . <i>Analytical Methods</i> , 2022, 14, 2541-2548.	2.7	4
30	Target-Stimulated DNAzyme Concatamers Released from Aptasensor for Highly Sensitive and Specific Detection of Progesterone. <i>Electroanalysis</i> , 2020, 32, 546-553.	2.9	2
31	Enzyme-induced Fenton reaction coupling oxidation of o-phenylenediamine for sensitive and specific immunoassay. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 633-640.	2.5	2
32	Colorimetric detection of hydrogen sulfide based on novel magnetic functional composites. <i>Biosensors and Bioelectronics: X</i> , 2022, , 100155.	1.7	0