

Lijuan Bai

List of Publications by Year in descending order

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42
papers

2,001
citations

257450

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265206

42
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all docs

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docs citations

42
times ranked

2292
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltammetric aptasensor for sulfadimethoxine using a nanohybrid composed of multifunctional fullerene, reduced graphene oxide and Pt@Au nanoparticles, and based on direct electron transfer to the active site of glucose oxidase. <i>Mikrochimica Acta</i> , 2019, 186, 1.	5.0	403
2	Simultaneous electrochemical detection of multiple analytes based on dual signal amplification of single-walled carbon nanotubes and multi-labeled graphene sheets. <i>Biomaterials</i> , 2012, 33, 1090-1096.	11.4	147
3	Fullerene-doped polyaniline as new redox nanoprobe and catalyst in electrochemical aptasensor for ultrasensitive detection of <i>Mycobacterium tuberculosis</i> MPT64 antigen in human serum. <i>Biomaterials</i> , 2017, 133, 11-19.	11.4	96
4	Development of an electrochemical method for Ochratoxin A detection based on aptamer and loop-mediated isothermal amplification. <i>Biosensors and Bioelectronics</i> , 2014, 55, 324-329.	10.1	94
5	A signal-on electrochemical aptasensor for ultrasensitive detection of endotoxin using three-way DNA junction-aided enzymatic recycling and graphene nanohybrid for amplification. <i>Nanoscale</i> , 2014, 6, 2902.	5.6	91
6	Sequential delivery of VEGF, FGF-2 and PDGF from the polymeric system enhance HUVECs angiogenesis in vitro and CAM angiogenesis. <i>Cellular Immunology</i> , 2018, 323, 19-32.	3.0	77
7	Direct electrochemistry and electrocatalysis of a glucose oxidase-functionalized bioconjugate as a trace label for ultrasensitive detection of thrombin. <i>Chemical Communications</i> , 2012, 48, 10972.	4.1	74
8	Amperometric DNA biosensor for <i>Mycobacterium tuberculosis</i> detection using flower-like carbon nanotubes-polyaniline nanohybrid and enzyme-assisted signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 119, 215-220.	10.1	71
9	An electrochemical aptasensor for highly sensitive detection of zearalenone based on PEI-MoS ₂ -MWCNTs nanocomposite for signal enhancement. <i>Analytica Chimica Acta</i> , 2019, 1060, 71-78.	5.4	71
10	A sandwich-type electrochemical aptasensor for <i>Mycobacterium tuberculosis</i> MPT64 antigen detection using C60NPs decorated N-CNTs/GO nanocomposite coupled with conductive PEI-functionalized metal-organic framework. <i>Biomaterials</i> , 2019, 216, 119253.	11.4	65
11	Synthesis of Multi-Encapsulated Palladium Nanocage, and Its Application in Electrochemiluminescence Immunosensors for the Detection of <i>Streptococcus suis</i> Serotype 2. <i>Small</i> , 2014, 10, 1857-1865.	10.0	57
12	A polyaniline-reduced graphene oxide nanocomposite as a redox nanoprobe in a voltammetric DNA biosensor for <i>Mycobacterium tuberculosis</i> . <i>Mikrochimica Acta</i> , 2017, 184, 1801-1808.	5.0	54
13	Bi-enzyme functionized hollow PtCo nanochains as labels for an electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4331-4336.	10.1	50
14	An amperometric aptasensor for ultrasensitive detection of sulfadimethoxine based on exonuclease-assisted target recycling and new signal tracer for amplification. <i>Biosensors and Bioelectronics</i> , 2018, 117, 706-712.	10.1	45
15	Aptamer based voltammetric biosensor for <i>Mycobacterium tuberculosis</i> antigen ESAT-6 using a nanohybrid material composed of reduced graphene oxide and a metal-organic framework. <i>Mikrochimica Acta</i> , 2018, 185, 379.	5.0	43
16	Ultrasensitive electrochemical detection of <i>Mycobacterium tuberculosis</i> IS6110 fragment using gold nanoparticles decorated fullerene nanoparticles/nitrogen-doped graphene nanosheet as signal tags. <i>Analytica Chimica Acta</i> , 2019, 1080, 75-83.	5.4	41
17	Amperometric aptasensor for thrombin detection using enzyme-mediated direct electrochemistry and DNA-based signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2013, 50, 325-330.	10.1	38
18	A pseudo triple-enzyme cascade amplified aptasensor for thrombin detection based on hemin/G-quadruplex as signal label. <i>Biosensors and Bioelectronics</i> , 2014, 54, 415-420.	10.1	35

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19	A target-induced amperometric aptasensor for sensitive zearalenone detection by CS@AB-MWCNTs nanocomposite as enhancers. <i>Food Chemistry</i> , 2021, 340, 128128.	8.2	33
20	A novel electrochemical biosensor for sensitive detection of non-small cell lung cancer ctDNA using NG-PEI-COFTAPB-TFPB as sensing platform and Fe-MOF for signal enhancement. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130874.	7.8	33
21	A new electrochemical aptasensor for ultrasensitive detection of endotoxin using Fe-MOF and AgNPs decorated P-N-CNTs as signal enhanced indicator. <i>Applied Surface Science</i> , 2022, 573, 151601.	6.1	29
22	Porous platinum nanotubes modified with dendrimers as nanocarriers and electrocatalysts for sensitive electrochemical aptasensors based on enzymatic signal amplification. <i>Chemical Communications</i> , 2014, 50, 1451-1453.	4.1	28
23	A novel electrochemical aptasensor for highly sensitive detection of thrombin based on the autonomous assembly of hemin/G-quadruplex horseradish peroxidase-mimicking DNAzyme nanowires. <i>Analytica Chimica Acta</i> , 2014, 832, 51-57.	5.4	28
24	Monolayer rubrene functionalized graphene-based electrochemiluminescence biosensor for serum cystatin C detection with immunorecognition-induced 3D DNA machine. <i>Biosensors and Bioelectronics</i> , 2019, 127, 126-134.	10.1	25
25	An aptamer based voltammetric biosensor for endotoxins using a functionalized graphene and molybdenum disulfide composite as a new nanocarrier. <i>Analyst, The</i> , 2019, 144, 1253-1259.	3.5	24
26	A signal-on electrochemical probe-label-free aptasensor using gold-platinum alloy and stearic acid as enhancers. <i>Biosensors and Bioelectronics</i> , 2010, 26, 881-885.	10.1	23
27	Platinum-gold alloy nanoparticles and horseradish peroxidase functionalized nanocomposite as a trace label for ultrasensitive electrochemical detection of thrombin. <i>Analytica Chimica Acta</i> , 2011, 698, 14-19.	5.4	23
28	An efficient electrochemical assay for miR-3675-3p in human serum based on the nanohybrid of functionalized fullerene and metal-organic framework. <i>Analytica Chimica Acta</i> , 2020, 1140, 78-88.	5.4	23
29	Functional fullerene-molybdenum disulfide fabricated electrochemical DNA biosensor for Sul1 detection using enzyme-assisted target recycling and a new signal marker for cascade amplification. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127483.	7.8	22
30	Highly sensitive electrochemical label-free aptasensor based on dual electrocatalytic amplification of Pt-AuNPs and HRP. <i>Analyst, The</i> , 2011, 136, 1840.	3.5	21
31	The Development of Ru(II)-Based Photoactivated Chemotherapy Agents. <i>Molecules</i> , 2021, 26, 5679.	3.8	20
32	An electrochemical aptasensor for thrombin detection based on direct electrochemistry of glucose oxidase using a functionalized graphene hybrid for amplification. <i>Analyst, The</i> , 2013, 138, 6595.	3.5	19
33	A signal-on electrochemiluminescence aptasensor based on the quenching effect of manganese dioxide for sensitive detection of carcinoembryonic antigen. <i>RSC Advances</i> , 2014, 4, 56756-56761.	3.6	17
34	Ultrasensitive electrochemiluminescent immunosensing based on trimetallic Au-Pd-Pt/MoS ₂ nanosheet as coreaction accelerator and self-enhanced ABEL-centric complex. <i>Analytica Chimica Acta</i> , 2020, 1125, 86-93.	5.4	17
35	Electrochemical aptasensor for ultrasensitive detection of lipopolysaccharide using silver nanoparticles decorated titanium dioxide nanotube/functionalized reduced graphene oxide as a new redox nanoprobe. <i>Mikrochimica Acta</i> , 2021, 188, 31.	5.0	14
36	A new biomimetic nanozyme of hemin/graphdiyne oxide with superior peroxidase-like activity for colorimetric bioassays. <i>Analyst, The</i> , 2021, 146, 7284-7293.	3.5	13

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37	Organocatalytic asymmetric domino Michael/O-alkylation reaction for the construction of succinimide substituted 3(2H)-furanones catalyzed by quinine. <i>RSC Advances</i> , 2017, 7, 39885-39888.	3.6	10
38	Ruthenium(ii) arene complexes showing DNA photobinding: the role of the basicity of the monodentate ligand. <i>New Journal of Chemistry</i> , 2017, 41, 10225-10230.	2.8	10
39	Highly enhanced electrochemiluminescent strategy for tumor biomarkers detection with in situ generation of l-homocysteine for signal amplification. <i>Analytica Chimica Acta</i> , 2014, 815, 16-21.	5.4	6
40	An electrochemical aptasensor for Mycobacterium tuberculosis ESAT-6 antigen detection using bimetallic organic framework. <i>Mikrochimica Acta</i> , 2021, 188, 404.	5.0	5
41	Divergent oxidative dearomatization coupling reactions to construct polycyclic cyclohexadienones. <i>Chemical Communications</i> , 2022, 58, 4348-4351.	4.1	3
42	Aptasensor for Mycobacterium tuberculosis antigen MPT64 detection using anthraquinone derivative confined in ordered mesoporous carbon as a new redox nanoprobe. <i>Bioelectrochemistry</i> , 2022, 147, 108209.	4.6	3