

Lijuan Bai

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

2,001
citations

257450

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265206

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all docs

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docs citations

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times ranked

2292
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Divergent oxidative dearomatization coupling reactions to construct polycyclic cyclohexadienones. <i>Chemical Communications</i> , 2022, 58, 4348-4351. | 4.1 | 3 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | The Development of Ru(II)-Based Photoactivated Chemotherapy Agents. <i>Molecules</i> , 2021, 26, 5679. | 3.8 | 20 |
| 8 | An electrochemical aptasensor for Mycobacterium tuberculosis ESAT-6 antigen detection using bimetallic organic framework. <i>Mikrochimica Acta</i> , 2021, 188, 404. | 5.0 | 5 |
| 9 | A new biomimetic nanozyme of hemin/graphdiyne oxide with superior peroxidase-like activity for colorimetric bioassays. <i>Analyst</i> , The, 2021, 146, 7284-7293. | 3.5 | 13 |
| 10 | 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 |
| 11 | 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 |
| 12 | Ultrasensitive electrochemiluminescent immunosensing based on trimetallic Au@Pd@Pt/MoS ₂ nanosheet as coreaction accelerator and self-enhanced ABEI-centric complex. <i>Analytica Chimica Acta</i> , 2020, 1125, 86-93. | 5.4 | 17 |
| 13 | An aptamer based voltammetric biosensor for endotoxins using a functionalized graphene and molybdenum disulfide composite as a new nanocarrier. <i>Analyst</i> , The, 2019, 144, 1253-1259. | 3.5 | 24 |
| 14 | Ultrasensitive electrochemical detection of Mycobacterium tuberculosis 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 |
| 15 | A sandwich-type electrochemical aptasensor for Mycobacterium tuberculosis 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | Aptamer based voltammetric biosensor for Mycobacterium tuberculosis 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 |
| 21 | Amperometric DNA biosensor for Mycobacterium tuberculosis 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 |
| 22 | 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 |
| 23 | Fullerene-doped polyaniline as new redox nanoprobe and catalyst in electrochemical aptasensor for ultrasensitive detection of Mycobacterium tuberculosis MPT64 antigen in human serum. <i>Biomaterials</i> , 2017, 133, 11-19. | 11.4 | 96 |
| 24 | A polyaniline-reduced graphene oxide nanocomposite as a redox nanoprobe in a voltammetric DNA biosensor for Mycobacterium tuberculosis. <i>Mikrochimica Acta</i> , 2017, 184, 1801-1808. | 5.0 | 54 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Synthesis of Multi- μ Fullerenes Encapsulated Palladium Nanocage, and Its Application in Electrochemiluminescence Immunosensors for the Detection of Streptococcus suis Serotype 2. <i>Small</i> , 2014, 10, 1857-1865. | 10.0 | 57 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | An electrochemical aptasensor for thrombin detection based on direct electrochemistry of glucose oxidase using a functionalized graphene hybrid for amplification. <i>Analyst</i> , The, 2013, 138, 6595. | 3.5 | 19 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Highly sensitive electrochemical label-free aptasensor based on dual electrocatalytic amplification of Pt@AuNPs and HRP. <i>Analyst</i> , 2011, 136, 1840. | 3.5 | 21 |
| 40 | Bi-enzyme functionalized hollow PtCo nanochains as labels for an electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4331-4336. | 10.1 | 50 |
| 41 | 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 |
| 42 | 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 |