

# Bao-Shan He

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,146  
citations

331670

21  
h-index

454955

30  
g-index

52  
all docs

52  
docs citations

52  
times ranked

973  
citing authors

#	ARTICLE	IF	CITATIONS
1	A label-free electrochemical immunosensing platform based on PEI-rGO/Pt@Au NRs for rapid and sensitive detection of zearalenone. <i>Bioelectrochemistry</i> , 2022, 143, 107955.	4.6	11
2	Electrochemical Aptasensor Based on PEI@rGO/AuNWs and Zr-MOF for Determination of Adenosine Triphosphate via Exonuclease III-assisted Target Recycling Strategy. <i>Electroanalysis</i> , 2022, 34, 74-82.	2.9	4
3	A fluorescent aptasensor for Pb <sup>2+</sup> detection based on gold nanoflowers and RecJf exonuclease-induced signal amplification. <i>Analytica Chimica Acta</i> , 2022, 1192, 339329.	5.4	23
4	A low-noise ratiometric fluorescence biosensor for detection of Pb <sup>2+</sup> based on DNAzyme and exonuclease III-assisted cascade signal amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1899-1907.	3.7	15
5	A signal on-off fluorescence sensor based on the self-assembly DNA tetrahedron for simultaneous detection of ochratoxin A and aflatoxin B1. <i>Analytica Chimica Acta</i> , 2022, 1198, 339566.	5.4	33
6	Effect of curdlan on the aggregation behavior and structure of gluten in frozen-cooked noodles during frozen storage. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 274-282.	7.5	26
7	An electrochemical aptasensor based on dual-enzymes-driven target recycling strategy for patulin detection in apple juice. <i>Food Control</i> , 2022, 137, 108907.	5.5	14
8	Ultrasensitive Electrochemical Aptasensor Based on Ag-Cu <sub>2</sub> O/rGO and CeO <sub>2</sub> /AuPt Nanocomposites for PCB77 Detection. <i>Journal of Electronic Materials</i> , 2022, 51, 3831-3842.	2.2	2
9	Au@ZnNi-MOF labeled electrochemical aptasensor for detection of enrofloxacin based on AuPt@h-CeO <sub>2</sub> /MoS <sub>2</sub> and DNAzyme-driven DNA walker triple amplification signal strategy. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114296.	10.1	26
10	Triple-Helix Molecular Switch Triggered Cleavage Effect of DNAzyme for Ultrasensitive Electrochemical Detection of Chloramphenicol. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 24681-24689.	8.0	16
11	Nb.BbvCI powered DNA walking machine-based Zr-MOFs-labeled electrochemical aptasensor using Pt@AuNRs/Fe-MOFs/PEI-rGO as electrode modification material for patulin detection. <i>Chemical Engineering Journal</i> , 2021, 405, 126642.	12.7	52
12	Synthesis of gold nanocubes/PEI-wrinkled CoSe <sub>2</sub> nanomaterials and its application in electrochemical immunosensors for detection of dipropyl phthalate. <i>Rare Metals</i> , 2021, 40, 1099-1109.	7.1	7
13	Ultrasensitive sandwich-type electrochemical biosensor based on octahedral gold nanoparticles modified poly (ethylenimine) functionalized graphitic carbon nitride nanosheets for the determination of sulfamethazine. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129158.	7.8	18
14	A DNAzyme-assisted triple-amplified electrochemical aptasensor for ultra-sensitive detection of T-2 toxin. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129063.	7.8	27
15	A biosensor for direct bioelectrocatalysis detection of 3-MCPD in soy sauce using Cyt-c incorporated in Au@AgNSs/FeMOF nanocomposite. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 151-158.	2.2	5
16	A signal off-aptasensor based on NiFe <sub>2</sub> O <sub>4</sub> NTs and Au@Pt NRs for the detection of deoxynivalenol via voltammetry. <i>Mikrochimica Acta</i> , 2021, 188, 23.	5.0	11
17	Dual mode competitive electrochemical immunoassay for dibutyl phthalate detection based on PEI functionalized nitrogen doped graphene-CoSe <sub>2</sub> /gold nanowires and thionine-Au@Pt core-shell. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129401.	7.8	23
18	Exonuclease III-Driven Dual-Amplified Electrochemical Aptasensor Based on PDDA-Gr/PtPd@Ni-Co Hollow Nanoboxes for Chloramphenicol Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26362-26372.	8.0	16

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19	Ultrasensitive detection of PCB77 based on Exonuclease III-powered DNA walking machine. <i>Journal of Hazardous Materials</i> , 2021, 416, 125831.	12.4	10
20	Sensitive electrochemical aptasensor for determination of sulfaquinoxaline based on AuPd NPs@UiO-66-NH <sub>2</sub> /CoSe <sub>2</sub> and RecJf exonuclease-assisted signal amplification. <i>Analytica Chimica Acta</i> , 2021, 1182, 338948.	5.4	16
21	Exonuclease III-assisted triple-amplified electrochemical aptasensor based on PtPd NPs/PEI-rGO for deoxynivalenol detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130767.	7.8	23
22	A competitive-type electrochemical immunosensor based on Ce-MOF@Au and MB-Au@Pt core-shell for nitrofurantoin residues detection. <i>Bioelectrochemistry</i> , 2021, 142, 107934.	4.6	13
23	An electrochemical aptasensor based on PEI-C <sub>3</sub> N <sub>4</sub> /AuNWs for determination of chloramphenicol via exonuclease-assisted signal amplification. <i>Mikrochimica Acta</i> , 2021, 188, 22.	5.0	18
24	A signal-enhancement fluorescent aptasensor based on the stable dual cross DNA nanostructure for simultaneous detection of OTA and AFB <sub>1</sub> . <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7587-7595.	3.7	10
25	Electrochemical biosensor based on pyruvate oxidase immobilized AuNRs@Cu <sub>2</sub> O-NDs as electroactive probes loaded poly (diallyldimethylammonium chloride) functionalized graphene for the detection of phosphate. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127303.	7.8	22
26	Ultrasensitive electrochemical aptasensor based on CoSe <sub>2</sub> /AuNRs and 3D structured DNA-PtNi@Co-MOF networks for the detection of zearalenone. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127558.	7.8	44
27	Ultrasensitive detection of chloramphenicol using electrochemical aptamer sensor: A mini review. <i>Electrochemistry Communications</i> , 2020, 120, 106835.	4.7	46
28	An electrochemical aptasensor based on tetrahedral DNA nanostructures as a signal probe carrier platform for sensitive detection of patulin. <i>Analytica Chimica Acta</i> , 2020, 1138, 123-131.	5.4	29
29	An electrochemical aptasensor-based Co <sub>3</sub> P-decorated porous carbon microspheres and AuNRs labelled methylene blue as signal labels for the sensitive detection of PCB77. <i>Analytical Methods</i> , 2020, 12, 4579-4587.	2.7	3
30	Electrochemical determination of sulfamethazine using a gold electrode modified with multi-walled carbon nanotubes, graphene oxide nanoribbons and branched aptamers. <i>Mikrochimica Acta</i> , 2020, 187, 274.	5.0	19
31	Aptamer-based thin film gold electrode modified with gold nanoparticles and carboxylated multi-walled carbon nanotubes for detecting oxytetracycline in chicken samples. <i>Food Chemistry</i> , 2019, 300, 125179.	8.2	47
32	Electrochemical determination of nitrofurantoin residues at gold nanoparticles/graphene modified thin film gold electrode. <i>Microchemical Journal</i> , 2019, 150, 104108.	4.5	30
33	Hierarchically porous Zr-MOFs labelled methylene blue as signal tags for electrochemical patulin aptasensor based on ZnO nano flower. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 192-198.	7.8	64
34	An amperometric zearalenone aptasensor based on signal amplification by using a composite prepared from porous platinum nanotubes, gold nanoparticles and thionine-labelled graphene oxide. <i>Mikrochimica Acta</i> , 2019, 186, 383.	5.0	37
35	A signal-on-voltammetric aptasensor fabricated by hcPt@AuNFs/PEI-rGO and Fe <sub>3</sub> O <sub>4</sub> NRs/rGO for the detection of zearalenone. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 477-483.	7.8	29
36	Au/ERGO nanoparticles supported on Cu-based metal-organic framework as a novel sensor for sensitive determination of nitrite. <i>Food Control</i> , 2019, 103, 70-77.	5.5	36

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37	A sensitive electrochemical sensor based on reduced graphene oxide/Fe <sub>3</sub> O <sub>4</sub> nanorod composites for detection of nitrofurantoin and its metabolite. <i>Analytical Methods</i> , 2019, 11, 1427-1435.	2.7	28
38	Voltammetric kanamycin aptasensor based on the use of thionine incorporated into Au@Pt core-shell nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 77.	5.0	22
39	Powder microelectrode embedded with carboxyl multi-walled carbon nanotubes for sensitive and quantitative detection of nitrofurans residues. <i>Analytical Methods</i> , 2018, 10, 1372-1378.	2.7	4
40	Novel electrochemical aptasensor for ultrasensitive detection of sulfadimidine based on covalently linked multi-walled carbon nanotubes and in situ synthesized gold nanoparticle composites. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2901-2910.	3.7	17
41	Electrochemical aptasensor based on aptamer-complementary strand conjugate and thionine for sensitive detection of tetracycline with multi-walled carbon nanotubes and gold nanoparticles amplification. <i>Analytical Methods</i> , 2018, 10, 783-790.	2.7	20
42	A novel electrochemical aptasensor based on gold electrode decorated Ag@Au core-shell nanoparticles for sulfamethazine determination. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7671-7678.	3.7	16
43	Aptamer based voltammetric patulin assay based on the use of ZnO nanorods. <i>Mikrochimica Acta</i> , 2018, 185, 462.	5.0	31
44	One-pot preparation of wavy graphene/Au composites and their application for highly sensitive detection of nitrite. <i>Analytical Methods</i> , 2018, 10, 3654-3659.	2.7	12
45	Sandwich electrochemical thrombin assay using a glassy carbon electrode modified with nitrogen- and sulfur-doped graphene oxide and gold nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 344.	5.0	18
46	Modifications of Au Nanoparticle-Functionalized Graphene for Sensitive Detection of Sulfanilamide. <i>Sensors</i> , 2018, 18, 846.	3.8	16
47	A sandwich-type electrochemical biosensor for alpha-fetoprotein based on Au nanoparticles decorating a hollow molybdenum disulfide microbox coupled with a hybridization chain reaction. <i>New Journal of Chemistry</i> , 2017, 41, 11353-11360.	2.8	10
48	A simple and sensitive electrochemical detection of furazolidone based on an Au nanoparticle functionalized graphene modified electrode. <i>Analytical Methods</i> , 2017, 9, 4341-4348.	2.7	58
49	Differential pulse voltammetric assay for the carcinoembryonic antigen using a glassy carbon electrode modified with layered molybdenum selenide, graphene, and gold nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 229-235.	5.0	24
50	Rapid Detection of Ascorbic Acid Based on a Dual-Electrode Sensor System Using a Powder Microelectrode Embedded with Carboxyl Multi-Walled Carbon Nanotubes. <i>Sensors</i> , 2017, 17, 1549.	3.8	17
51	Electrochemical Determination of Sulfonamide Based on Glassy Carbon Electrode Modified by Fe <sub>3</sub> O <sub>4</sub> /Functionalized Graphene. <i>International Journal of Electrochemical Science</i> , 2017, 12, 3001-3011.	1.3	15
52	Two-electrode Sensor System for Rapid Detection of Sulfonamides by Applying the Nafion-Carboxyl Multiwalled Carbon Nanotubes Powder Microelectrode. <i>International Journal of Electrochemical Science</i> , 2016, 11, 10362-10378.	1.3	13