

Qin Wei

List of Publications by Year in descending order

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590
papers

26,663
citations

6613

79
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19749

117
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all docs

592
docs citations

592
times ranked

19455
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosted Electrocatalytic N ₂ Reduction to NH ₃ by Defect-Rich MoS ₂ Nanoflower. <i>Advanced Energy Materials</i> , 2018, 8, 1801357.	19.5	482
2	Synthesis of amino functionalized magnetic graphenes composite material and its application to remove Cr(VI), Pb(II), Hg(II), Cd(II) and Ni(II) from contaminated water. <i>Journal of Hazardous Materials</i> , 2014, 278, 211-220.	12.4	469
3	Highly efficient removal of heavy metal ions by amine-functionalized mesoporous Fe ₃ O ₄ nanoparticles. <i>Chemical Engineering Journal</i> , 2012, 184, 132-140.	12.7	324
4	Adsorption of phosphate from aqueous solution by hydroxy-aluminum, hydroxy-iron and hydroxy-iron-aluminum pillared bentonites. <i>Journal of Hazardous Materials</i> , 2010, 179, 244-250.	12.4	306
5	A critical review on antibiotics and hormones in swine wastewater: Water pollution problems and control approaches. <i>Journal of Hazardous Materials</i> , 2020, 387, 121682.	12.4	295
6	Co(OH) ₂ Nanoparticle-Encapsulating Conductive Nanowires Array: Room-Temperature Electrochemical Preparation for High-Performance Water Oxidation Electrocatalysis. <i>Advanced Materials</i> , 2018, 30, 1705366.	21.0	294
7	High-Performance N ₂ -to-NH ₃ Conversion Electrocatalyzed by Mo ₂ C Nanorod. <i>ACS Central Science</i> , 2019, 5, 116-121.	11.3	292
8	Electrochemical N ₂ fixation to NH ₃ under ambient conditions: Mo ₂ N nanorod as a highly efficient and selective catalyst. <i>Chemical Communications</i> , 2018, 54, 8474-8477.	4.1	287
9	Label-free photoelectrochemical immunoassay for CEA detection based on CdS sensitized WO ₃ @BiOI heterostructure nanocomposite. <i>Biosensors and Bioelectronics</i> , 2018, 99, 493-499.	10.1	206
10	Electrochemical bisphenol A sensor based on N-doped graphene sheets. <i>Analytica Chimica Acta</i> , 2012, 711, 24-28.	5.4	200
11	Ag ₃ PO ₄ /graphene-oxide composite with remarkably enhanced visible-light-driven photocatalytic activity toward dyes in water. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 86-93.	12.4	200
12	Self-Luminescent Lanthanide Metal-Organic Frameworks as Signal Probes in Electrochemiluminescence Immunoassay. <i>Journal of the American Chemical Society</i> , 2021, 143, 504-512.	13.7	195
13	Label-free immunosensor for the detection of kanamycin using Ag@Fe ₃ O ₄ nanoparticles and thionine mixed graphene sheet. <i>Biosensors and Bioelectronics</i> , 2013, 48, 224-229.	10.1	181
14	Removal of mercury and methylene blue from aqueous solution by xanthate functionalized magnetic graphene oxide: Sorption kinetic and uptake mechanism. <i>Journal of Colloid and Interface Science</i> , 2015, 439, 112-120.	9.4	173
15	Extracellular polymeric substances for Zn (II) binding during its sorption process onto aerobic granular sludge. <i>Journal of Hazardous Materials</i> , 2016, 301, 407-415.	12.4	161
16	Cathodic electrochemiluminescence immunosensor based on nanocomposites of semiconductor carboxylated g-C ₃ N ₄ and graphene for the ultrasensitive detection of squamous cell carcinoma antigen. <i>Biosensors and Bioelectronics</i> , 2014, 55, 330-336.	10.1	158
17	Self-supported CoMoS ₄ nanosheet array as an efficient catalyst for hydrogen evolution reaction at neutral pH. <i>Nano Research</i> , 2018, 11, 2024-2033.	10.4	147
18	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , 2018, 348, 143-156.	12.7	145

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19	A MoS ₂ nanosheet-reduced graphene oxide hybrid: an efficient electrocatalyst for electrocatalytic N ₂ reduction to NH ₃ under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2524-2528.	10.3	145
20	Sulfur-Doped Graphene-Based Immunological Biosensing Platform for Multianalysis of Cancer Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37637-37644.	8.0	144
21	Removal of Pb(II) and methylene blue from aqueous solution by magnetic hydroxyapatite-immobilized oxidized multi-walled carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 380-388.	9.4	140
22	Electrochemical ultrasensitive detection of cardiac troponin I using covalent organic frameworks for signal amplification. <i>Biosensors and Bioelectronics</i> , 2018, 119, 176-181.	10.1	138
23	Label-free electrochemical immunosensor based on flower-like Ag/MoS ₂ /rGO nanocomposites for ultrasensitive detection of carcinoembryonic antigen. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 125-132.	7.8	135
24	Dual-Quenching Electrochemiluminescence Strategy Based on Three-Dimensional Metal-Organic Frameworks for Ultrasensitive Detection of Amyloid- β . <i>Analytical Chemistry</i> , 2019, 91, 1989-1996.	6.5	135
25	A silver-palladium alloy nanoparticle-based electrochemical biosensor for simultaneous detection of ractopamine, clenbuterol and salbutamol. <i>Biosensors and Bioelectronics</i> , 2013, 49, 14-19.	10.1	134
26	3D Nanostructured Palladium-Functionalized Graphene-Aerogel-Supported Fe ₃ O ₄ for Enhanced Ru(bpy) ₃ ²⁺ -Based Electrochemiluminescent Immunosensing of Prostate Specific Antigen. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35260-35267.	8.0	130
27	Nanobody-Based Apolipoprotein E Immunosensor for Point-of-Care Testing. <i>ACS Sensors</i> , 2017, 2, 1267-1271.	7.8	130
28	Label-free photoelectrochemical aptasensor for tetracycline detection based on cerium doped CdS sensitized Bi ₂ WO ₆ . <i>Biosensors and Bioelectronics</i> , 2018, 106, 7-13.	10.1	129
29	A novel sandwich-type electrochemical immunosensor for PSA detection based on PtCu bimetallic hybrid (2D/2D) rGO/g-C ₃ N ₄ . <i>Biosensors and Bioelectronics</i> , 2017, 91, 441-448.	10.1	128
30	Using reduced graphene oxide-Ca: CdSe nanocomposite to enhance photoelectrochemical activity of gold nanoparticles functionalized tungsten oxide for highly sensitive prostate specific antigen detection. <i>Biosensors and Bioelectronics</i> , 2017, 96, 239-245.	10.1	128
31	Sensitive Electrochemical Sensor for Simultaneous Determination of Dopamine, Ascorbic Acid, and Uric Acid Enhanced by Amino-group Functionalized Mesoporous Fe ₃ O ₄ @Graphene Sheets. <i>Electrochimica Acta</i> , 2014, 116, 244-249.	5.2	127
32	Electrochemiluminescence immunosensor based on quenching effect of SiO ₂ @PDA on SnO ₂ /rGO/Au NPs-luminol for insulin detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 403-411.	7.8	127
33	Electrochemical immunosensors for cancer biomarker with signal amplification based on ferrocene functionalized iron oxide nanoparticles. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3590-3595.	10.1	126
34	An amorphous FeMoS ₄ nanorod array toward efficient hydrogen evolution electrocatalysis under neutral conditions. <i>Chemical Communications</i> , 2017, 53, 9000-9003.	4.1	124
35	Dual Intramolecular Electron Transfer for In Situ Coreactant-Embedded Electrochemiluminescence Microimaging of Membrane Protein. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 197-201.	13.8	121
36	Cobalt borate nanowire array as a high-performance catalyst for oxygen evolution reaction in near-neutral media. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7291-7294.	10.3	120

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37	Fe-doped Ni ₂ P nanosheets with porous structure for electroreduction of nitrogen to ammonia under ambient conditions. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118296.	20.2	120
38	The removal of lead ions from aqueous solution by using magnetic hydroxypropyl chitosan/oxidized multiwalled carbon nanotubes composites. <i>Journal of Colloid and Interface Science</i> , 2015, 451, 7-14.	9.4	118
39	Efficient Enhancement of Electrochemiluminescence from Cadmium Sulfide Quantum Dots by Glucose Oxidase Mimicking Gold Nanoparticles for Highly Sensitive Assay of Methyltransferase Activity. <i>Analytical Chemistry</i> , 2016, 88, 2976-2983.	6.5	118
40	A novel label-free electrochemical immunosensor based on graphene and thionine nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 314-318.	7.8	117
41	Ultrasensitive electrochemical immunoassay for CEA through host-guest interaction of β -cyclodextrin functionalized graphene and Cu@Ag core-shell nanoparticles with adamantine-modified antibody. <i>Biosensors and Bioelectronics</i> , 2015, 63, 465-471.	10.1	117
42	Characterization of a multi-metal binding biosorbent: Chemical modification and desorption studies. <i>Bioresource Technology</i> , 2015, 193, 477-487.	9.6	116
43	Ultrasensitive electrochemical immunoassay for BRCA1 using BMIM-BF ₄ -coated SBA-15 as labels and functionalized graphene as enhancer. <i>Biomaterials</i> , 2011, 32, 2117-2123.	11.4	115
44	Preparation and utilization of anaerobic granular sludge-based biochar for the adsorption of methylene blue from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2014, 198, 334-340.	4.9	112
45	Ultrasensitive detection of kanamycin in animal derived foods by label-free electrochemical immunosensor. <i>Food Chemistry</i> , 2012, 134, 1601-1606.	8.2	111
46	EDTA modified β -cyclodextrin/chitosan for rapid removal of Pb(II) and acid red from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 56-64.	9.4	111
47	Phosphorylated chitosan/CoFe ₂ O ₄ composite for the efficient removal of Pb(II) and Cd(II) from aqueous solution: Adsorption performance and mechanism studies. <i>Journal of Molecular Liquids</i> , 2019, 277, 181-188.	4.9	109
48	A novel ECL biosensor for the detection of concanavalin A based on glucose functionalized NiCo ₂ S ₄ nanoparticles-grown on carboxylic graphene as quenching probe. <i>Biosensors and Bioelectronics</i> , 2017, 96, 113-120.	10.1	107
49	Nanoporous PtRu Alloy Enhanced Nonenzymatic Immunosensor for Ultrasensitive Detection of Microcystin-LR. <i>Advanced Functional Materials</i> , 2011, 21, 4193-4198.	14.9	103
50	Macroporous graphene capped Fe ₃ O ₄ for amplified electrochemiluminescence immunosensing of carcinoembryonic antigen detection based on CeO ₂ @TiO ₂ . <i>Biosensors and Bioelectronics</i> , 2017, 91, 842-848.	10.1	103
51	Ultrasensitive amperometric immunosensor for PSA detection based on Cu ₂ O@CeO ₂ -Au nanocomposites as integrated triple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017, 87, 630-637.	10.1	102
52	Visible-light driven label-free photoelectrochemical immunosensor based on TiO ₂ /S-BiVO ₄ @Ag ₂ S nanocomposites for sensitive detection OTA. <i>Biosensors and Bioelectronics</i> , 2018, 99, 14-20.	10.1	102
53	Simultaneous nitrification-denitrification and membrane fouling alleviation in a submerged biofilm membrane bioreactor with coupling of sponge and biodegradable PBS carrier. <i>Bioresource Technology</i> , 2018, 270, 156-165.	9.6	102
54	Increased electrocatalyzed performance through high content potassium doped graphene matrix and aptamer tri infinite amplification labels strategy: Highly sensitive for matrix metalloproteinases-2 detection. <i>Biosensors and Bioelectronics</i> , 2017, 94, 694-700.	10.1	101

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55	Label-free electrochemical immunosensor for prostate-specific antigen based on silver hybridized mesoporous silica nanoparticles. <i>Analytical Biochemistry</i> , 2013, 434, 123-127.	2.4	100
56	A sensitive electrochemiluminescence immunosensor based on Ru(bpy) ₃ ²⁺ in 3D CuNi oxalate as luminophores and graphene oxide- <i>polyethylenimine</i> as released Ru(bpy) ₃ ²⁺ initiator. <i>Biosensors and Bioelectronics</i> , 2017, 89, 1020-1025.	10.1	100
57	Co ₂ O ₄ ·2H ₂ O derived Co ₃ O ₄ nanorods array: a high-efficiency 1D electrocatalyst for alkaline oxygen evolution reaction. <i>Chemical Communications</i> , 2018, 54, 1533-1536.	4.1	99
58	An electrochemical aptasensor based on gold-modified MoS ₂ /rGO nanocomposite and gold-palladium-modified Fe-MOFs for sensitive detection of lead ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 319, 128313.	7.8	99
59	Mechanism of Pb(II) and methylene blue adsorption onto magnetic carbonate hydroxyapatite/graphene oxide. <i>RSC Advances</i> , 2015, 5, 9759-9770.	3.6	98
60	Synthesis of Self-Supported Amorphous CoMoO ₄ Nanowire Array for Highly Efficient Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10093-10098.	6.7	98
61	Nanoporous gold film based immunosensor for label-free detection of cancer biomarker. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3714-3718.	10.1	97
62	Label-Free Electrochemiluminescent Immunosensor for Detection of Carcinoembryonic Antigen Based on Nanocomposites of GO/MWCNTs-COOH/Au@CeO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19260-19267.	8.0	97
63	Electrochemiluminescent immunosensing of prostate-specific antigen based on silver nanoparticles-doped Pb(II) metal-organic framework. <i>Biosensors and Bioelectronics</i> , 2016, 79, 379-385.	10.1	97
64	Visible light photoelectrochemical aptasensor for adenosine detection based on CdS/PPy/g-C ₃ N ₄ nanocomposites. <i>Biosensors and Bioelectronics</i> , 2016, 86, 439-445.	10.1	96
65	Dumbbell-like Au-Fe ₃ O ₄ nanoparticles as label for the preparation of electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2010, 26, 627-631.	10.1	94
66	A prostate-specific antigen electrochemical immunosensor based on Pd NPs functionalized electroactive Co-MOF signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2019, 132, 97-104.	10.1	93
67	Label-free immunosensor based on Pd nanoplates for amperometric immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2014, 53, 305-309.	10.1	90
68	Label-free Electrochemiluminescent Immunosensor for Detection of Prostate Specific Antigen based on Aminated Graphene Quantum Dots and Carboxyl Graphene Quantum Dots. <i>Scientific Reports</i> , 2016, 6, 20511.	3.3	89
69	Enzyme-free electrochemical immunosensor configured with Au-Pd nanocrystals and N-doped graphene sheets for sensitive detection of AFP. <i>Biosensors and Bioelectronics</i> , 2013, 49, 222-225.	10.1	88
70	The role of nanomaterials in electroanalytical biosensors: A mini review. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 401-409.	3.8	88
71	Sandwich-type electrochemical immunosensor for CEA detection based on Ag/MoS ₂ @Fe ₃ O ₄ and an analogous ELISA method with total internal reflection microscopy. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 561-569.	7.8	88
72	<i>In situ</i> electrochemical development of copper oxide nanocatalysts within a TCNQ nanowire array: a highly conductive electrocatalyst for the oxygen evolution reaction. <i>Chemical Communications</i> , 2018, 54, 1425-1428.	4.1	88

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73	Sensitive Insulin Detection based on Electrogenenerated Chemiluminescence Resonance Energy Transfer between Ru(bpy) ₃ ²⁺ and Au Nanoparticle-Doped β -Cyclodextrin-Pb (II) Metal-Organic Framework. ACS Applied Materials & Interfaces, 2016, 8, 10121-10127.	8.0	87
74	Synthesis of amino-functionalized magnetic aerobic granular sludge-biochar for Pb(II) removal: Adsorption performance and mechanism studies. Science of the Total Environment, 2019, 685, 681-689.	8.0	87
75	Facile fabrication of an aptasensor for thrombin based on graphitic carbon nitride/TiO ₂ with high visible-light photoelectrochemical activity. Biosensors and Bioelectronics, 2016, 75, 116-122.	10.1	86
76	Electrochemical aptasensor based on gold modified thiol graphene as sensing platform and gold-palladium modified zirconium metal-organic frameworks nanozyme as signal enhancer for ultrasensitive detection of mercury ions. Journal of Colloid and Interface Science, 2022, 606, 510-517.	9.4	86
77	Electrochemiluminescent competitive immunosensor based on polyethyleneimine capped SiO ₂ nanomaterials as labels to release Ru(bpy) ₃ ²⁺ fixed in 3D Cu/Ni oxalate for the detection of aflatoxin B1. Biosensors and Bioelectronics, 2018, 101, 290-296.	10.1	85
78	An ultrasensitive sandwich-type electrochemical immunosensor based on signal amplification strategy of gold nanoparticles functionalized magnetic multi-walled carbon nanotubes loaded with lead ions. Biosensors and Bioelectronics, 2015, 68, 626-632.	10.1	83
79	Magnetic chitosan/anaerobic granular sludge composite: Synthesis, characterization and application in heavy metal ions removal. Journal of Colloid and Interface Science, 2017, 508, 405-414.	9.4	83
80	Smart Drug Delivery System-Inspired Enzyme-Linked Immunosorbent Assay Based on Fluorescence Resonance Energy Transfer and Allochroic Effect Induced Dual-Modal Colorimetric and Fluorescent Detection. Analytical Chemistry, 2018, 90, 1976-1982.	6.5	79
81	Efficient electrohydrogenation of N ₂ to NH ₃ by oxidized carbon nanotubes under ambient conditions. Chemical Communications, 2019, 55, 4997-5000.	4.1	79
82	Construction of self-powered cytosensing device based on ZnO nanodisks@g-C ₃ N ₄ quantum dots and application in the detection of CCRF-CEM cells. Nano Energy, 2018, 46, 101-109.	16.0	78
83	Label-free amperometric immunosensor for the detection of human serum chorionic gonadotropin based on nanoporous gold and graphene. Analytical Biochemistry, 2011, 414, 196-201.	2.4	77
84	Role of extracellular polymeric substances in biosorption of dye wastewater using aerobic granular sludge. Bioresource Technology, 2015, 185, 14-20.	9.6	77
85	Ultrasensitive photoelectrochemical immunosensor for the detection of amyloid β -protein based on SnO ₂ /SnS ₂ /Ag ₂ S nanocomposites. Biosensors and Bioelectronics, 2018, 120, 1-7.	10.1	77
86	Graphene-Based Optical and Electrochemical Biosensors: A Review. Analytical Letters, 2013, 46, 1-17.	1.8	76
87	Ultra-thin wrinkled NiOOH@NiCr ₂ O ₄ nanosheets on Ni foam: an advanced catalytic electrode for oxygen evolution reaction. Chemical Communications, 2018, 54, 4987-4990.	4.1	76
88	Oxygen defect engineering in cobalt iron oxide nanosheets for promoted overall water splitting. Journal of Materials Chemistry A, 2019, 7, 21704-21710.	10.3	76
89	Ferritin-Based Electrochemiluminescence Nanosurface Energy Transfer System for Procalcitonin Detection Using HWRCWVC Heptapeptide for Site-Oriented Antibody Immobilization. Analytical Chemistry, 2019, 91, 7145-7152.	6.5	76
90	Simultaneous electrochemical detection of cervical cancer markers using reduced graphene oxide-tetraethylene pentamine as electrode materials and distinguishable redox probes as labels. Biosensors and Bioelectronics, 2014, 54, 634-639.	10.1	75

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91	A sandwich-type electrochemical immunosensor based on multiple signal amplification for β -fetoprotein labeled by platinum hybrid multiwalled carbon nanotubes adhered copper oxide. <i>Electrochimica Acta</i> , 2015, 160, 7-14.	5.2	75
92	Eco-friendly synthesis of electrochemiluminescent nitrogen-doped carbon quantum dots from diethylene triamine pentacetate and their application for protein detection. <i>Carbon</i> , 2015, 91, 144-152.	10.3	75
93	A novel label-free photoelectrochemical sensor based on N,S-QDs and CdS co-sensitized hierarchical Zn ₂ SnO ₄ cube for detection of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2018, 106, 14-20.	10.1	75
94	Quenching Electrochemiluminescence Immunosensor Based on Resonance Energy Transfer between Ruthenium (II) Complex Incorporated in the UiO-67 Metal-Organic Framework and Gold Nanoparticles for Insulin Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22932-22938.	8.0	75
95	Fe ₃ O ₄ nanoparticles-loaded PEG-PLA polymeric vesicles as labels for ultrasensitive immunosensors. <i>Biomaterials</i> , 2010, 31, 7332-7339.	11.4	74
96	Removal of Hg(II) from aqueous solution by resin loaded magnetic β -cyclodextrin bead and graphene oxide sheet: Synthesis, adsorption mechanism and separation properties. <i>Journal of Colloid and Interface Science</i> , 2015, 456, 42-49.	9.4	74
97	Sandwich-type electrochemical immunoassay based on Co ₃ O ₄ @MnO ₂ -thionine and pseudo-ELISA method toward sensitive detection of alpha fetoprotein. <i>Biosensors and Bioelectronics</i> , 2018, 106, 179-185.	10.1	74
98	Label-free photoelectrochemical immunosensor for sensitive detection of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2015, 64, 13-18.	10.1	73
99	Ultrasensitive electrochemical immunosensor for carbohydrate antigen 72-4 based on dual signal amplification strategy of nanoporous gold and polyaniline-Au asymmetric multicomponent nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 64, 51-56.	10.1	73
100	Ultrasensitive electrochemical immunosensor for SCCA detection based on ternary Pt/PdCu nanocube anchored on three-dimensional graphene framework for signal amplification. <i>Biosensors and Bioelectronics</i> , 2016, 79, 71-78.	10.1	73
101	Facile fabrication of 3D flower-like heterostructured g-C ₃ N ₄ /SnS ₂ composite with efficient photocatalytic activity under visible light. <i>RSC Advances</i> , 2014, 4, 31019-31027.	3.6	71
102	Toxicity assessment of 4-chlorophenol to aerobic granular sludge and its interaction with extracellular polymeric substances. <i>Journal of Hazardous Materials</i> , 2015, 289, 101-107.	12.4	71
103	A label-free photoelectrochemical aptasensing platform base on plasmon Au coupling with MOF-derived In ₂ O ₃ @g-C ₃ N ₄ nanoarchitectures for tetracycline detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126817.	7.8	71
104	Synthesis and Application of CeO ₂ /SnS ₂ Heterostructures as a Highly Efficient Coreaction Accelerator in the Luminol-Dissolved O ₂ System for Ultrasensitive Biomarkers Immunoassay. <i>Analytical Chemistry</i> , 2019, 91, 14066-14073.	6.5	71
105	Electrochemical aptasensor based on gold modified graphene nanocomposite with different morphologies for ultrasensitive detection of Pb ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 325-331.	7.8	71
106	Dual-responsive electrochemical immunosensor for prostate specific antigen detection based on Au-CoS/graphene and CeO ₂ /ionic liquids doped with carboxymethyl chitosan complex. <i>Biosensors and Bioelectronics</i> , 2017, 94, 141-147.	10.1	70
107	Ultrasensitive electrochemical immunosensor for quantitative detection of HBeAg using Au@Pd/MoS ₂ @MWCNTs nanocomposite as enzyme-mimetic labels. <i>Biosensors and Bioelectronics</i> , 2018, 102, 189-195.	10.1	70
108	Biological denitrification in an anoxic sequencing batch biofilm reactor: Performance evaluation, nitrous oxide emission and microbial community. <i>Bioresource Technology</i> , 2019, 285, 121359.	9.6	70

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109	A label-free electrochemical immunosensor based on Au@Pd/Ag yolk-bimetallic shell nanoparticles and amination graphene for detection of nuclear matrix protein 22. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 67-73.	7.8	69
110	Photoelectrochemical sensitive detection of insulin based on CdS/polydopamine co-sensitized WO ₃ nanorod and signal amplification of carbon nanotubes@polydopamine. <i>Biosensors and Bioelectronics</i> , 2017, 96, 345-350.	10.1	69
111	Electrochemical immunosensor for norethisterone based on signal amplification strategy of graphene sheets and multienzyme functionalized mesoporous silica nanoparticles. <i>Biosensors and Bioelectronics</i> , 2010, 26, 723-729.	10.1	68
112	CuS as co-reaction accelerator in PTCA-K ₂ S ₂ O ₈ system for enhancing electrochemiluminescence behavior of PTCA and its application in detection of amyloid- β protein. <i>Biosensors and Bioelectronics</i> , 2019, 126, 222-229.	10.1	68
113	A photoelectrochemical sensor for highly sensitive detection of amyloid beta based on sensitization of Mn:CdSe to Bi ₂ WO ₆ /CdS. <i>Biosensors and Bioelectronics</i> , 2018, 122, 37-42.	10.1	67
114	High-performance N ₂ -to-NH ₃ fixation by a metal-free electrocatalyst. <i>Nanoscale</i> , 2019, 11, 4231-4235.	5.6	67
115	Ultrasensitive electrochemical immunosensors for multiplexed determination using mesoporous platinum nanoparticles as nonenzymatic labels. <i>Analytica Chimica Acta</i> , 2014, 807, 44-50.	5.4	66
116	A label-free amperometric immunosensor for detection of zearalenone based on trimetallic Au-core/AgPt-shell nanorattles and mesoporous carbon. <i>Analytica Chimica Acta</i> , 2014, 847, 29-36.	5.4	66
117	Metal ions-based immunosensor for simultaneous determination of estradiol and diethylstilbestrol. <i>Biosensors and Bioelectronics</i> , 2014, 52, 225-231.	10.1	66
118	Facile synthesis of MoS ₂ @Cu ₂ O-Pt nanohybrid as enzyme-mimetic label for the detection of the Hepatitis B surface antigen. <i>Biosensors and Bioelectronics</i> , 2018, 100, 512-518.	10.1	66
119	Guiding protein delivery into live cells using DNA-programmed membrane fusion. <i>Chemical Science</i> , 2018, 9, 5967-5975.	7.4	66
120	Immobilization of glucose oxidase and platinum on mesoporous silica nanoparticles for the fabrication of glucose biosensor. <i>Electrochimica Acta</i> , 2011, 56, 2960-2965.	5.2	65
121	Sandwich-type electrochemical immunosensor for the detection of AFP based on Pd octahedral and APTES-M-CeO ₂ -GS as signal labels. <i>Biosensors and Bioelectronics</i> , 2016, 79, 482-487.	10.1	65
122	An ultrasensitive photoelectrochemical immunosensor for insulin detection based on BiOBr/Ag ₂ S composite by in-situ growth method with high visible-light activity. <i>Biosensors and Bioelectronics</i> , 2017, 97, 253-259.	10.1	65
123	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
124	Quench-Type Electrochemiluminescence Immunosensor Based on Resonance Energy Transfer from Carbon Nanotubes and Au-Nanoparticles-Enhanced C_3N_4 to CuO@Polydopamine for Procalcitonin Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8006-8015.	8.0	65
125	A α -fluorescent biosensor for the detection of mercury (II) based on graphite carbon nitride. <i>Talanta</i> , 2017, 162, 46-51.	5.5	64
126	Amorphous Co-doped MoO _x nanospheres with a core-shell structure toward an effective oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1005-1012.	10.3	64

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134	Nitrogen removal via nitrite in a partial nitrification sequencing batch biofilm reactor treating high strength ammonia wastewater and its greenhouse gas emission. <i>Bioresource Technology</i> , 2017, 230, 49-55.	9.6	62
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