

Dan Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172
papers

5,847
citations

44
h-index

68
g-index

180
ext. papers

7,081
ext. citations

8.3
avg, IF

6.18
L-index

#	Paper	IF	Citations
172	Electrocatalytic excitation and Co-reaction acceleration synergistic amplification signal of hydrazide-conjugated carbon dots for an electrochemiluminescence immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2022 , 357, 131443	8.5	0
171	Annihilation luminescent Eu-MOF as a near-infrared electrochemiluminescence probe for trace detection of trenbolone. <i>Chemical Engineering Journal</i> , 2022 , 434, 134691	14.7	3
170	Chromium doping: A new approach to regulate electronic structure of cobalt carbonate hydroxide for oxygen evolution improvement.. <i>Journal of Colloid and Interface Science</i> , 2022 , 609, 414-422	9.3	0
169	A sandwiched photoelectrochemical biosensing platform for detecting Cytokeratin-19 fragments based on AgS-sensitized BiOI/BiS heterostructure amplified by sulfur and nitrogen co-doped carbon quantum dots. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113703	11.8	2
168	Interface engineering of MoS@Fe(OH) nanoarray heterostructure: Electrodeposition of MoS@Fe(OH) as N and H channels for artificial NH synthesis under mild conditions. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1374-1379	9.3	4
167	Detection of NSE by a photoelectrochemical self-powered immunosensor integrating RGO photocathode and WO/Mn:CdS nanomaterial photoanode.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114196	11.8	3
166	Nanoarrays-roped in situ photoelectrochemical system for microRNA detection.. <i>Biosensors and Bioelectronics</i> , 2022 , 210, 114291	11.8	1
165	Eu(II)-MOF as NIR probe for highly efficient instantaneous anodic electroluminescence realized environmental pollutant trace monitoring. <i>Chemical Engineering Journal</i> , 2022 , 136912	14.7	1
164	MoS -Based Catalysts for N Electroreduction to NH - An Overview of MoS Optimization Strategies. <i>ChemistryOpen</i> , 2021 , 10, 1041-1054	2.3	4
163	Sandwich-type photoelectrochemical immunosensor for procalcitonin detection based on Mn doped CdS sensitized BiWO and signal amplification of NaYF:Yb, Tm upconversion nanomaterial. <i>Analytica Chimica Acta</i> , 2021 , 1188, 339190	6.6	1
162	Self-Luminescent Lanthanide Metal-Organic Frameworks as Signal Probes in Electrochemiluminescence Immunoassay. <i>Journal of the American Chemical Society</i> , 2021 , 143, 504-512	16.4	68
161	Ni foam supported photocathode platform for DNA detection based on antifouling interface. <i>Sensors and Actuators B: Chemical</i> , 2021 , 333, 129593	8.5	3
160	Dual-Mode Sensing Platform Guided by Intramolecular Electrochemiluminescence of a Ruthenium Complex and Cationic ,-Bis(2-(trimethylammonium iodide)propylene) Perylene-3,4,9,10-tetracarboxydiimide for Estradiol Assay. <i>Analytical Chemistry</i> , 2021 , 93, 6088-6093	7.8	11
159	Folic Acid Self-Assembly Enabling Manganese Single-Atom Electrocatalyst for Selective Nitrogen Reduction to Ammonia. <i>Nano-Micro Letters</i> , 2021 , 13, 125	19.5	5
158	Direct growth of nickel-doped cobalt phosphide nanowire cluster on carbon cloth for efficient hydrogen evolution reaction. <i>Electrochemistry Communications</i> , 2021 , 127, 107051	5.1	4
157	Rare Self-Luminous Mixed-Valence Eu-MOF with a Self-Enhanced Characteristic as a Near-Infrared Fluorescent ECL Probe for Nondestructive Immunodetection. <i>Analytical Chemistry</i> , 2021 , 93, 8613-8621	7.8	11
156	In situ evolution of surface Co ₂ CrO ₄ to CoOOH/CrOOH by electrochemical method: Toward boosting electrocatalytic water oxidation. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1096-1101	11.3	7

155	Electrochemiluminescence immunosensor based on the quenching effect of CuO@GO on m-CNNS for cTnl detection. <i>Analytical Biochemistry</i> , 2021 , 612, 114012	3.1	4
154	Defect-rich ZnS nanoparticles supported on reduced graphene oxide for high-efficiency ambient N ₂ -to-NH ₃ conversion. <i>Applied Catalysis B: Environmental</i> , 2021 , 284, 119746	21.8	16
153	A sensitive biosensor of CdS sensitized BiVO ₄ /GaON composite for the photoelectrochemical immunoassay of procalcitonin. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129244	8.5	3
152	Insight into the tannic acid-based modular-assembly strategy based on inorganic/biological hybrid systems: a material suitability, loading effect, and biocompatibility study. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3867-3876	7.8	3
151	Highly efficient adhesion and inactivation of Escherichia coli on visible-light-driven amino-functionalized BiOBr hybrids. <i>Environmental Research</i> , 2021 , 193, 110570	7.9	4
150	A photoelectrochemical self-powered sensor for the detection of sarcosine based on NiO NSs/PbS/Au NPs as photocathodic material. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126201	12.8	3
149	Energy-saving H Generation Coupled with Oxidative Alcohol Refining over Bimetallic Phosphide Ni P-CoP Junction Bifunctional Electrocatalysts. <i>ChemSusChem</i> , 2021 ,	8.3	5
148	Ultrasensitive near-infrared electrochemiluminescence biosensor derived from Eu-MOF with antenna effect and high efficiency catalysis of specific CoS hollow triple shelled nanoboxes for procalcitonin. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113409	11.8	11
147	Photoelectrochemical aptasensor based on LaTiO/SbS and VO for effectively signal change strategy for cancer marker detection. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113528	11.8	2
146	No-wash point-of-care biosensing assay for rapid and sensitive detection of aflatoxin B1. <i>Talanta</i> , 2021 , 235, 122772	6.2	1
145	Bifunctional Pt ₂ Co ₃ O ₄ electrocatalysts for simultaneous generation of hydrogen and formate via energy-saving alkaline seawater/methanol co-electrolysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6316-6324 ¹²	13.3	12
144	Regulating the Electron Localization of Metallic Bismuth for Boosting CO Electroreduction.. <i>Nano-Micro Letters</i> , 2021 , 14, 38	19.5	3
143	Synergy of Cobalt Iron Tetrathiomolybdate Coated on Cobalt Iron Carbonate Hydroxide Hydrate Nanowire Arrays for Overall Water Splitting. <i>ChemElectroChem</i> , 2020 , 7, 2309-2313	4.3	4
142	Artificial N fixation to NH ₃ by electrocatalytic Ru NPs at low overpotential. <i>Nanotechnology</i> , 2020 , 31, 29LT01	3.4	14
141	Electrochemiluminescence sensing platform based on functionalized poly-(styrene-co-maleicanhydride) nanocrystals and iron doped hydroxyapatite for CYFRA 21-1 immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128454	8.5	11
140	Electrochemiluminescence behaviour of m-CNNS quenched by CeO ₂ @PDA composites for sensitive detection of BNP. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 862, 113970	4.1	5
139	Oxidase-Inspired Selective 2e ⁻ /4e ⁻ Reduction of Oxygen on Electron-Deficient Cu. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4833-4842	9.5	16
138	Signal-off electrochemiluminescence immunosensors based on the quenching effect between curcumin-conjugated Au nanoparticles encapsulated in ZIF-8 and CdS-decorated TiO ₂ nanobelts for insulin detection. <i>Analyst</i> , 2020 , 145, 1858-1864	5	6

137	Novel folic acid complex derived nitrogen and nickel co-doped carbon nanotubes with embedded Ni nanoparticles as efficient electrocatalysts for CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5105-5114	13	10
136	Quench-Type Electrochemiluminescence Immunosensor Based on Resonance Energy Transfer from Carbon Nanotubes and Au-Nanoparticles-Enhanced -CN to CuO@Polydopamine for Procalcitonin Detection. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8006-8015	9.5	39
135	Boosting H ₂ Generation Coupled with Selective Oxidation of Methanol into Value-Added Chemical over Cobalt Hydroxide@Hydroxysulfide Nanosheets Electrocatalysts. <i>Advanced Functional Materials</i> , 2020 , 30, 1909610	15.6	83
134	Oxygen Vacancy-Enhanced Electrochemiluminescence Sensing Strategy Using Luminol Thermally Encapsulated in Apoferritin as a Transducer for Biomarker Immunoassay. <i>Analytical Chemistry</i> , 2020 , 92, 8472-8479	7.8	23
133	Novel Electron Donor Encapsulation Assay Based on the Split-type Photoelectrochemical Interface. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7366-7371	9.5	14
132	MoC combined with carbon material nanosphere as an electrochemiluminescence super-enhancer and antibody label for ultrasensitive detection of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111910	11.8	8
131	Etching Triangular Silver Nanoparticles by Self-generated Hydrogen Peroxide to Initiate the Response of an Electrochemiluminescence Sensing Platform. <i>Analytical Chemistry</i> , 2020 , 92, 14203-14209	7.8	13
130	A signal amplification of p DNA@AgS based photoelectrochemical competitive sensor for the sensitive detection of OTA in microfluidic devices. <i>Biosensors and Bioelectronics</i> , 2020 , 168, 112503	11.8	10
129	A novel approach to photoelectrochemical immunoassay for procalcitonin on the basis of SnS ₂ /CdS. <i>New Journal of Chemistry</i> , 2020 , 44, 15281-15288	3.6	3
128	Ultrasensitive Controlled Release Aptasensor Using Thymine-Hg-Thymine Mismatch as a Molecular Switch for Hg Detection. <i>Analytical Chemistry</i> , 2020 , 92, 14069-14075	7.8	19
127	Self-Supply of HO and O by Hydrolyzing CaO to Enhance the Electrochemiluminescence of Luminol Based on a Closed Bipolar Electrode. <i>Analytical Chemistry</i> , 2020 , 92, 12693-12699	7.8	19
126	Preparation of PbS NPs/RGO/NiO nanosheet arrays heterostructure: Function-switchable self-powered photoelectrochemical biosensor for HO and glucose monitoring. <i>Biosensors and Bioelectronics</i> , 2020 , 173, 112803	11.8	17
125	Preparation and characterization of 0D Au NPs@3D BiOI nanoflower/2D NiO nanosheet array heterostructures and their application as a self-powered photoelectrochemical biosensing platform. <i>Nanoscale Advances</i> , 2019 , 1, 4313-4320	5.1	13
124	A novel sandwich-type photoelectrochemical immunosensor based on Ru(bpy) and Ce-CdS co-sensitized hierarchical ZnO matrix and dual-inhibited polystyrene@CuS-Ab composites. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 124-131	11.8	23
123	An amplification label of core-shell CdSe@CdS QD sensitized GO for a signal-on photoelectrochemical immunosensor for amyloid β protein. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 1142-1148	7.3	27
122	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	13	108
121	Ferritin-Based Electrochemiluminescence Nanosurface Energy Transfer System for Procalcitonin Detection Using HWRGWVC Heptapeptide for Site-Oriented Antibody Immobilization. <i>Analytical Chemistry</i> , 2019 , 91, 7145-7152	7.8	52
120	Efficient electrohydrogenation of N to NH by oxidized carbon nanotubes under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 4997-5000	5.8	66

119	Manganese doped CdS sensitized graphene/CuMoS composite for the photoelectrochemical immunoassay of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2019 , 132, 1-7	11.8	31
118	Facile fabrication of visible light photoelectrochemical immunosensor for SCCA detection based on BiOBr/BiS heterostructures via self-sacrificial synthesis method. <i>Talanta</i> , 2019 , 198, 417-423	6.2	19
117	Construction of well-ordered electrochemiluminescence sensing interface using peptide-based specific antibody immobilizer and N-(aminobutyl)-N-(ethylisoluminol) functionalized ferritin as signal indicator for procalcitonin analysis. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111562	11.8	15
116	Electrochemical Transformation of Facet-Controlled BiOI into Mesoporous Bismuth Nanosheets for Selective Electrocatalytic Reduction of CO to Formic Acid. <i>ChemSusChem</i> , 2019 , 12, 4700-4707	8.3	21
115	Novel electrochemical immunosensor for sensitive monitoring of cardiac troponin I using antigen-response cargo released from mesoporous FeO. <i>Biosensors and Bioelectronics</i> , 2019 , 143, 111608	11.8	20
114	An electrochemiluminescence immunosensor for the N-terminal brain natriuretic peptide based on the high quenching ability of polydopamine. <i>Mikrochimica Acta</i> , 2019 , 186, 606	5.8	10
113	Triple amplified ultrasensitive electrochemical immunosensor for alpha fetoprotein detection based on MoS ₂ @Cu ₂ O-Au nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126821	8.5	28
112	Dual-quenching electrochemiluminescence resonance energy transfer system from Ru-InS to BiMoO-Au based on protect of protein bioactivity for procalcitonin detection. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111524	11.8	14
111	Electrochemical procalcitonin immunoassay based on Au@Ag heterojunction nanorods as labels and CeO ₂ -CuO nanorods as enhancer. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126800	8.5	9
110	A signal-off type photoelectrochemical immunosensor for the ultrasensitive detection of procalcitonin: Ru(bpy) ₃ and BiS co-sensitized ZnTiO/TiO polyhedra as matrix and dual inhibition by SiO ₂ /PDA-Au. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111513	11.8	15
109	A ternary quenching electrochemiluminescence insulin immunosensor based on Mn released from MnO@Carbon core-shell nanospheres with ascorbic acid quenching AuPdPt-MoS ₂ @TiO ₂ enhanced luminol. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111551	11.8	24
108	Electrochemiluminescent immunoassay for insulin by using a quencher pair consisting of CdS:Eu nanoclusters loaded with multiwalled carbon nanotubes on reduced graphene oxide nanoribbons and gold nanoparticle-loaded octahedral CuO. <i>Mikrochimica Acta</i> , 2019 , 186, 505	5.8	5
107	Synthesis and Application of CeO ₂ /SnS 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	7.8	39
106	Ultrasensitive amyloid-β proteins detection based on curcumin conjugated ZnO nanoparticles quenching electrochemiluminescence behavior of luminol immobilized on Au@MoS ₂ /BiS nanorods. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 136-142	11.8	22
105	Facile Synthesis of CuO@TiO ₂ -PtCu Nanocomposites as a Signal Amplification Strategy for the Insulin Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8945-8953	9.5	33
104	High-performance N-to-NH fixation by a metal-free electrocatalyst. <i>Nanoscale</i> , 2019 , 11, 4231-4235	7.7	54
103	Electrochemical exfoliation from an industrial ingot: ultrathin metallic bismuth nanosheets for excellent CO capture and electrocatalytic conversion. <i>Nanoscale</i> , 2019 , 11, 22125-22133	7.7	17
102	Using PbS-Au heterodimers as signal quencher for the sensitive photoelectrochemical immunoassay of amyloid β protein. <i>Analytica Chimica Acta</i> , 2019 , 1092, 85-92	6.6	8

101	Carbon nanofibers@NiSe core/sheath nanostructures as efficient electrocatalysts for integrating highly selective methanol conversion and less-energy intensive hydrogen production. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25878-25886	13	21
100	Amorphous Co-doped MoOx nanospheres with a core-shell structure toward an effective oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1005-1012	13	45
99	Defect-Type-Dependent Near-Infrared-Driven Photocatalytic Bacterial Inactivation by Defective Bi S nanorods. <i>ChemSusChem</i> , 2019 , 12, 890-897	8.3	40
98	Exciton energy transfer-based fluorescent sensor for the detection of Hg through aptamer-programmed self-assembly of QDs. <i>Analytica Chimica Acta</i> , 2019 , 1048, 161-167	6.6	18
97	Ultra-thin wrinkled NiOOH-NiCrO nanosheets on Ni foam: an advanced catalytic electrode for oxygen evolution reaction. <i>Chemical Communications</i> , 2018 , 54, 4987-4990	5.8	54
96	Label-free photoelectrochemical aptasensor for tetracycline detection based on cerium doped CdS sensitized BiYWO. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 7-13	11.8	104
95	CoCO ₂ H ₂ O derived CoO nanorods array: a high-efficiency 1D electrocatalyst for alkaline oxygen evolution reaction. <i>Chemical Communications</i> , 2018 , 54, 1533-1536	5.8	77
94	In situ Formed Co(TCNQ) Metal-Organic Framework Array as a High-Efficiency Catalyst for Oxygen Evolution Reactions. <i>Chemistry - A European Journal</i> , 2018 , 24, 2075-2079	4.8	20
93	Co(OH) Nanoparticle-Encapsulating Conductive Nanowires Array: Room-Temperature Electrochemical Preparation for High-Performance Water Oxidation Electrocatalysis. <i>Advanced Materials</i> , 2018 , 30, 1705366	24	240
92	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	8.5	95
91	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	120
90	Porous Fe ^{II} -codoped carbon microspheres: an efficient and durable electrocatalyst for oxygen reduction reaction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2211-2217	6.8	7
89	Electrochemical ultrasensitive detection of cardiac troponin I using covalent organic frameworks for signal amplification. <i>Biosensors and Bioelectronics</i> , 2018 , 119, 176-181	11.8	98
88	An ITO-based point-of-care colorimetric immunosensor for ochratoxin A detection. <i>Talanta</i> , 2018 , 188, 593-599	6.2	34
87	Formation of Homogeneous Epinephrine-Melanin Solutions to Fabricate Electrodes for Enhanced Photoelectrochemical Biosensing. <i>Langmuir</i> , 2018 , 34, 7744-7750	4	12
86	In situ 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	5.8	75
85	A turn-on fluorescent sensor for highly sensitive mercury(II) detection based on a carbon dot-labeled oligodeoxyribonucleotide and MnO ₂ nanosheets. <i>New Journal of Chemistry</i> , 2018 , 42, 1228-1234	3.6	21
84	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	11.8	162

83	A novel label-free photoelectrochemical immunosensor based on NCQDs and BiS co-sensitized hierarchical mesoporous SnO microflowers for detection of NT-proBNP. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7634-7642	7.3	21
82	Enabling Electrocatalytic N ₂ Reduction to NH ₃ by Y ₂ O ₃ Nanosheet under Ambient Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 16622-16627	3.9	28
81	A turn-on fluorescent sensor for Hg ²⁺ detection based on graphene oxide and DNA aptamers. <i>New Journal of Chemistry</i> , 2018 , 42, 11147-11152	3.6	23
80	Electrochemical immunosensor for ochratoxin A detection based on Au octahedron plasmonic colloidosomes. <i>Analytica Chimica Acta</i> , 2018 , 1032, 114-121	6.6	43
79	Ultrasensitive Label-free Electrochemical Immunosensor based on Multifunctionalized Graphene Nanocomposites for the Detection of Alpha Fetoprotein. <i>Scientific Reports</i> , 2017 , 7, 42361	4.9	41
78	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	11.8	115
77	A novel ECL biosensor for the detection of concanavalin A based on glucose functionalized NiCoS nanoparticles-grown on carboxylic graphene as quenching probe. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 113-120	11.8	98
76	Photoelectrochemical sensitive detection of insulin based on CdS/polydopamine co-sensitized WO nanorod and signal amplification of carbon nanotubes@polydopamine. <i>Biosensors and Bioelectronics</i> , 2017 , 96, 345-350	11.8	52
75	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	11.8	91
74	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	13	101
73	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	8.3	78
72	Nanobody-Based Apolipoprotein E Immunosensor for Point-of-Care Testing. <i>ACS Sensors</i> , 2017 , 2, 1267-1271	12.71	116
71	A Compatible Sensitivity Enhancement Strategy for Electrochemiluminescence Immunosensors Based on the Biomimetic Melanin-Like Deposition. <i>Analytical Chemistry</i> , 2017 , 89, 13049-13053	7.8	50
70	An ultrasensitive photoelectrochemical immunosensor for insulin detection based on BiOBr/AgS composite by in-situ growth method with high visible-light activity. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 253-259	11.8	45
69	Photoelectrochemical Cytosensing of RAW264.7 Macrophage Cells Based on a TiO Nanoneedles@MoO Array. <i>Analytical Chemistry</i> , 2017 , 89, 7950-7957	7.8	34
68	A sensitive electrochemiluminescence immunosensor based on Ru(bpy) in 3D CuNi oxalate as luminophores and graphene oxide-polyethylenimine as released Ru(bpy) initiator. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 1020-1025	11.8	88
67	Ultrasensitive sandwich-type photoelectrochemical immunosensor based on CdSe sensitized La-TiO matrix and signal amplification of polystyrene@Ab composites. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 593-599	11.8	39
66	Novel gold nanocluster electrochemiluminescence immunosensors based on nanoporous NiGd-Ni ₂ O ₃ -Gd ₂ O ₃ alloys. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 142-7	11.8	15

65	Facile fabrication of an aptasensor for thrombin based on graphitic carbon nitride/TiO ₂ with high visible-light photoelectrochemical activity. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 116-22	11.8	73
64	Sandwich-type electrochemical immunosensor for ultrasensitive detection of prostate-specific antigen using palladium-doped cuprous oxide nanoparticles. <i>RSC Advances</i> , 2016 , 6, 84698-84704	3.7	16
63	Photoelectrochemical Immunosensor for Detection of Carcinoembryonic Antigen Based on 2D TiO ₂ Nanosheets and Carboxylated Graphitic Carbon Nitride. <i>Scientific Reports</i> , 2016 , 6, 27385	4.9	34
62	A Novel Controlled Release Immunosensor based on Benzimidazole Functionalized SiO ₂ and Cyclodextrin Functionalized Gold. <i>Scientific Reports</i> , 2016 , 6, 19797	4.9	15
61	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	11.8	86
60	Visible-light driven photoelectrochemical immunosensor for insulin detection based on MWCNTs@SnS ₂ @CdS nanocomposites. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 301-307	11.8	41
59	Preparation of Au-polydopamine functionalized carbon encapsulated Fe ₃ O ₄ magnetic nanocomposites and their application for ultrasensitive detection of carcino-embryonic antigen. <i>Scientific Reports</i> , 2016 , 6, 21017	4.9	14
58	Electrogenerated Chemiluminescence Behavior of Au nanoparticles-hybridized Pb (II) metal-organic framework and its application in selective sensing hexavalent chromium. <i>Scientific Reports</i> , 2016 , 6, 22059	4.9	6
57	Single-step cycle pulse operation of the label-free electrochemiluminescence immunosensor based on branched polypyrrole for carcinoembryonic antigen detection. <i>Scientific Reports</i> , 2016 , 6, 24599	4.9	11
56	Label-free electrochemical immunosensor based on enhanced signal amplification between Au@Pd and CoFe ₂ O ₄ /graphene nano hybrid. <i>Scientific Reports</i> , 2016 , 6, 23391	4.9	27
55	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	4.9	83
54	Sensitive Electrochemical Immunosensor for Detection of Nuclear Matrix Protein-22 based on NH ₂ -SAPO-34 Supported Pd/Co Nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 24551	4.9	9
53	Ru(bpy) ₃ (2+)/nanoporous silver-based electrochemiluminescence immunosensor for alpha fetoprotein enhanced by gold nanoparticles decorated black carbon intercalated reduced graphene oxide. <i>Scientific Reports</i> , 2016 , 6, 20348	4.9	11
52	Disposable competitive-type immunoassay for determination of aflatoxin B1 via detection of copper ions released from Cu-apatite. <i>Talanta</i> , 2016 , 147, 556-60	6.2	19
51	Facile fabrication of an electrochemical aptasensor based on magnetic electrode by using streptavidin modified magnetic beads for sensitive and specific detection of Hg(2.). <i>Biosensors and Bioelectronics</i> , 2016 , 82, 9-13	11.8	39
50	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, 71-8	11.8	62
49	Electrochemiluminescent immunosensing of prostate-specific antigen based on silver nanoparticles-doped Pb (II) metal-organic framework. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 379-85	11.8	85
48	A generalized in situ electrodeposition of Zn doped CdS-based photoelectrochemical strategy for the detection of two metal ions on the same sensing platform. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 936-41	11.8	31

47	Sensitive Insulin Detection based on Electrogenerated Chemiluminescence Resonance Energy Transfer between Ru(bpy) ₃ (2+) and Au Nanoparticle-Doped Cyclodextrin-Pb (II) Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10121-7	9.5	68
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42	Layer-by-layer self-assembly of 2D graphene nanosheets, 3D copper oxide nanoflowers and 0D gold nanoparticles for ultrasensitive electrochemical detection of alpha fetoprotein. <i>RSC Advances</i> , 2015 , 5, 56583-56589	3.7	9
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38	A sensitive electrochemical immunosensor for the detection of squamous cell carcinoma antigen by using PtAu nanoparticles loaded on TiO ₂ colloidal spheres as labels. <i>RSC Advances</i> , 2015 , 5, 59853-59860	3.7	6
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33	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, 19260-7	9.5	83
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31	Construction of dentate bonded TiO ₂ -CdSe heterostructures with enhanced photoelectrochemical properties: versatile labels toward photoelectrochemical and electrochemical sensing. <i>Dalton Transactions</i> , 2015 , 44, 773-81	4.3	38
30	Sandwich-type electrochemical immunosensor using dumbbell-like nanoparticles for the determination of gastric cancer biomarker CA72-4. <i>Talanta</i> , 2015 , 134, 305-309	6.2	41

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28	Preparation of Au-Pt nanostructures by combining top-down with bottom-up strategies and application in label-free electrochemical immunosensor for detection of NMP22. <i>Bioelectrochemistry</i> , 2015 , 101, 22-7	5.6	24
27	An electrochemical immunosensor for ultrasensitive detection of carbohydrate antigen 199 based on Au@Cu(x)OS yolk-shell nanostructures with porous shells as labels. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 39-46	11.8	49
26	An ultrasensitive squamous cell carcinoma antigen biosensing platform utilizing double-antibody single-channel amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015 , 72, 156-9	11.8	24
25	Ultrasensitive electrochemical immunosensors for multiplexed determination using mesoporous platinum nanoparticles as nonenzymatic labels. <i>Analytica Chimica Acta</i> , 2014 , 807, 44-50	6.6	54
24	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	6.7	101
23	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, 330-6	11.8	134
22	Nanosheet Au/Co ₃ O ₄ -based ultrasensitive nonenzymatic immunosensor for melanoma adhesion molecule antigen. <i>Biosensors and Bioelectronics</i> , 2014 , 58, 345-50	11.8	43
21	Ultrasensitive enzyme-free immunoassay for squamous cell carcinoma antigen using carbon supported Pd-Au as electrocatalytic labels. <i>Analytica Chimica Acta</i> , 2014 , 833, 9-14	6.6	31
20	Simultaneous electrochemical detection of cervical cancer markers using reduced graphene oxide-tetraethylene pentamine as electrode materials and distinguishable redox probes as labels. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 634-9	11.8	68
19	A novel multi-amplification photoelectrochemical immunoassay based on copper(II) enhanced polythiophene sensitized graphitic carbon nitride nanosheet. <i>Biosensors and Bioelectronics</i> , 2014 , 62, 315-9	11.8	32
18	Nonenzymatic immunosensor for detection of carbohydrate antigen 15-3 based on hierarchical nanoporous PtFe alloy. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 295-9	11.8	35
17	Label-free electrochemical immunoassay for ultrasensitive detection of norethindrone. <i>Monatshefte für Chemie</i> , 2014 , 145, 155-160	1.4	1
16	Screen Printed Biosensor for Hydrogen Peroxide Based on Prussian Blue Modified Hydroxyapatite. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 917-922	3.2	4
15	Ultrasensitive electrochemical immunoassay for squamous cell carcinoma antigen using dumbbell-like Pt-Fe ₃ O ₄ nanoparticles as signal amplification. <i>Biosensors and Bioelectronics</i> , 2013 , 46, 91-6	11.8	55
14	Graphene-Based Optical and Electrochemical Biosensors: A Review. <i>Analytical Letters</i> , 2013 , 46, 1-17	2.2	60
13	Sensitive and selective determination of dopamine by electrochemical sensor based on molecularly imprinted electropolymerization of o-phenylenediamine. <i>Analytical Methods</i> , 2013 , 5, 1469	3.2	31
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11	Hollow mesoporous silica microspheres as sensitive labels for immunoassay of prostate-specific antigen. <i>Analyst, The</i> , 2012 , 137, 608-13	5	30
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7	A Facile Electrochemical Immunosensor with Mesoporous Alumina for Detection of Carcinoembryonic Antigen. <i>Electroanalysis</i> , 2011 , 23, 1602-1606	3	6
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2	A No-washing Point-of-care Electrochemical Biosensor Based on CuS Nanoparticles for Rapid and Sensitive Detection of Neuron-specific Enolase. <i>Electroanalysis</i> ,	3	1
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