

Dan Wu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4063669/dan-wu-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
171	Label-free photoelectrochemical immunoassay for CEA detection based on CdS sensitized WO@BiOI heterostructure nanocomposite. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 493-499	11.8	162
170	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
169	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
168	Nanobody-Based Apolipoprotein E Immunosensor for Point-of-Care Testing. <i>ACS Sensors</i> , 2017 , 2, 1267-1271	12.1	116
167	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
166	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
165	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	11.8	104
164	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
163	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
162	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
161	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
160	Nanoporous PtRu Alloy Enhanced Nonenzymatic Immunosensor for Ultrasensitive Detection of Microcystin-LR. <i>Advanced Functional Materials</i> , 2011 , 21, 4193-4198	15.6	96
159	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
158	Ultrasensitive detection of kanamycin in animal derived foods by label-free electrochemical immunosensor. <i>Food Chemistry</i> , 2012 , 134, 1601-6	8.5	93
157	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
156	A sensitive electrochemiluminescence immunosensor based on Ru(bpy) ₃ in 3D CuNi oxalate as luminophores and graphene oxide-polyethylenimine as released Ru(bpy) ₃ initiator. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 1020-1025	11.8	88

155	Visible light photoelectrochemical aptasensor for adenosine detection based on CdS/PPy/g-C3N4 nanocomposites. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 439-445	11.8	86
154	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
153	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
152	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
151	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
150	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
149	CoCO ₂ HO 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
148	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
147	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
146	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
145	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
144	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. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10121-7	9.5	68
143	Efficient electrohydrogenation of N to NH by oxidized carbon nanotubes under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 4997-5000	5.8	66
142	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
141	Graphene-Based Optical and Electrochemical Biosensors: A Review. <i>Analytical Letters</i> , 2013 , 46, 1-17	2.2	60
140	Corallite-like Magnetic Fe ₃ O ₄ @MnO ₂ @Pt Nanocomposites as Multiple Signal Amplifiers for the Detection of Carcinoembryonic Antigen. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18786-93	9.5	58
139	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
138	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

137	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
136	High-performance N-to-NH fixation by a metal-free electrocatalyst. <i>Nanoscale</i> , 2019 , 11, 4231-4235	7.7	54
135	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
134	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
133	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
132	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
131	Novel signal amplification strategy for ultrasensitive sandwich-type electrochemical immunosensor employing Pd-Fe ₃ O ₄ -GS as the matrix and SiO ₂ as the label. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 59-65	11.8	47
130	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
129	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
128	Anatase TiO ₂ based photoelectrochemical sensor for the sensitive determination of dopamine under visible light irradiation. <i>New Journal of Chemistry</i> , 2015 , 39, 1483-1487	3.6	43
127	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
126	Electrochemical immunosensor for ochratoxin A detection based on Au octahedron plasmonic colloidosomes. <i>Analytica Chimica Acta</i> , 2018 , 1032, 114-121	6.6	43
125	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
124	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
123	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
122	Ultrasensitive sandwich-type electrochemical immunosensor based on dual signal amplification strategy using multifunctional graphene nanocomposites as labels for quantitative detection of tissue polypeptide antigen. <i>Sensors and Actuators B: Chemical</i> , 2015 , 214, 124-131	8.5	40
121	Defect-Type-Dependent Near-Infrared-Driven Photocatalytic Bacterial Inactivation by Defective Bi S nanorods. <i>ChemSusChem</i> , 2019 , 12, 890-897	8.3	40
120	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

119	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
118	Synthesis and Application of CeO/SnS Heterostructures as a Highly Efficient Coreaction Accelerator in the Luminol-Dissolved O System for Ultrasensitive Biomarkers Immunoassay. <i>Analytical Chemistry</i> , 2019 , 91, 14066-14073	7.8	39
117	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
116	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
115	An ultrasensitive label-free immunosensor based on CdS sensitized Fe-TiO ₂ with high visible-light photoelectrochemical activity. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 843-8	11.8	35
114	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
113	A label-free electrochemiluminescence immunosensor based on KNbO ₃ -Au nanoparticles@Bi ₂ S ₃ for the detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 104-12	11.8	34
112	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
111	An ITO-based point-of-care colorimetric immunosensor for ochratoxin A detection. <i>Talanta</i> , 2018 , 188, 593-599	6.2	34
110	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
109	Facile Synthesis of CuO@TiO-PtCu Nanocomposites as a Signal Amplification Strategy for the Insulin Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8945-8953	9.5	33
108	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
107	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
106	Electrochemiluminescence immunosensing strategy based on the use of Au@Ag nanorods as a peroxidase mimic and NH ₄ CoPO ₄ as a supercapacitive supporter: Application to the determination of carcinoembryonic antigen. <i>Mikrochimica Acta</i> , 2015 , 182, 1421-1429	5.8	31
105	Electrochemical aptasensor for the detection of adenosine by using PdCu@MWCNTs-supported bienzymes as labels. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 391-7	11.8	31
104	Ultrasensitive immunoassay for CA125 detection using acid site compound as signal and enhancer. <i>Talanta</i> , 2015 , 144, 535-41	6.2	31
103	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
102	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

101	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
100	Hollow mesoporous silica microspheres as sensitive labels for immunoassay of prostate-specific antigen. <i>Analyst, The</i> , 2012 , 137, 608-13	5	30
99	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
98	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
97	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
96	Label-free electrochemical immunosensor based on enhanced signal amplification between Au@Pd and CoFe ₂ O ₄ /graphene nanohybrid. <i>Scientific Reports</i> , 2016 , 6, 23391	4.9	27
95	Electrochemiluminescence modified electrodes based on RuSi@Ru(bpy) ₃ (2+) loaded with gold functionalized nanoporous CO/Co ₃ O ₄ for detection of mycotoxin deoxynivalenol. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 28-33	11.8	25
94	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
93	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
92	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
91	A novel sandwich-type photoelectrochemical immunosensor based on Ru(bpy) ₃ 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
90	A simple label-free photoelectrochemical immunosensor for highly sensitive detection of aflatoxin B ₁ based on CdS@Fe ₃ O ₄ magnetic nanocomposites. <i>RSC Advances</i> , 2015 , 5, 19581-19586	3.7	23
89	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
88	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
87	Ultrasensitive amyloid- β proteins detection based on curcumin conjugated ZnO nanoparticles quenching electrochemiluminescence behavior of luminol immobilized on Au@MoS ₂ /Bi ₂ S ₃ nanorods. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 136-142	11.8	22
86	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
85	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
84	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

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	Electrochemiluminescence sensor based on cationic polythiophene derivative and NH ₂ graphene for dopamine detection. <i>RSC Advances</i> , 2015 , 5, 5432-5437	3.7	20
81	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
80	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
79	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
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	Enhanced sensing performance of supported graphitic carbon nitride nanosheets and the fabrication of electrochemiluminescent biosensors for IgG. <i>Analyst, The</i> , 2015 , 140, 8172-6	5	15
67	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
66	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

65	A signal-off type photoelectrochemical immunosensor for the ultrasensitive detection of procalcitonin: Ru(bpy) and BiS co-sensitized ZnTiO/TiO polyhedra as matrix and dual inhibition by SiO/PDA-Au. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111513	11.8	15
64	Electrochemical Immunosensor for Ultrasensitive Detection of Human Chorionic Gonadotropin Based on Pd@SBA-15. <i>Electroanalysis</i> , 2013 , 25, 427-432	3	15
63	Artificial N fixation to NH by electrocatalytic Ru NPs at low overpotential. <i>Nanotechnology</i> , 2020 , 31, 29LT01	3.4	14
62	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
61	Dual-quenching electrochemiluminescence resonance energy transfer system from Ru-InS to MoO-Au based on protect of protein bioactivity for procalcitonin detection. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111524	11.8	14
60	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
59	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
58	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 ⁸	7.8	13
57	Formation of Homogeneous Epinephrine-Melanin Solutions to Fabricate Electrodes for Enhanced Photoelectrochemical Biosensing. <i>Langmuir</i> , 2018 , 34, 7744-7750	4	12
56	Bifunctional Pt ₂ O 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	12
55	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
54	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
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	Dual-Mode Sensing Platform Guided by Intramolecular Electrochemiluminescence of a Ruthenium Complex and Cationic π -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
51	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
50	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
49	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
48	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

47	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
46	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
45	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
44	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
43	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
42	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
41	Porous Fe ^N -codoped carbon microspheres: an efficient and durable electrocatalyst for oxygen reduction reaction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2211-2217	6.8	7
40	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
39	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
38	Signal-off electrochemiluminescence immunosensors based on the quenching effect between curcumin-conjugated Au nanoparticles encapsulated in ZIF-8 and CdS-decorated TiO nanobelts for insulin detection. <i>Analyst, The</i> , 2020 , 145, 1858-1864	5	6
37	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
36	A Facile Electrochemical Immunosensor with Mesoporous Alumina for Detection of Carcinoembryonic Antigen. <i>Electroanalysis</i> , 2011 , 23, 1602-1606	3	6
35	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
34	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
33	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
32	Energy-saving H ₂ Generation Coupled with Oxidative Alcohol Refining over Bimetallic Phosphide Ni P-CoP Junction Bifunctional Electrocatalysts. <i>ChemSusChem</i> , 2021 ,	8.3	5
31	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
30	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

29	Spectroscopic studies of aggregation behavior of meso-tetra(4-hydroxyphenyl)porphyrin in aqueous AOT solution. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008 , 12, 101-108	1.8	4
28	MoS ₂ -Based Catalysts for N ₂ Electroreduction to NH ₃ - An Overview of MoS ₂ Optimization Strategies. <i>ChemistryOpen</i> , 2021 , 10, 1041-1054	2.3	4
27	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
26	Electrochemiluminescence immunosensor based on the quenching effect of CuO@GO on m-CNNS for cTnI detection. <i>Analytical Biochemistry</i> , 2021 , 612, 114012	3.1	4
25	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
24	Interface engineering of MoS ₂ @Fe(OH) ₂ nanoarray heterostructure: Electrodeposition of MoS ₂ @Fe(OH) ₂ as N ₂ and H ₂ channels for artificial NH ₃ synthesis under mild conditions. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1374-1379	9.3	4
23	Meso-Tetra-(3,5-Dibromo-4-Hydroxyphenyl) Porphyrin Copper (II) Self-Assembled Modified Gold Electrode Through L-Cysteine: The Preparation, Electrochemical Behavior and its Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 871-875	3.2	3
22	A novel chemiluminescent flow-injection analysis of transferrin by its reduction of the luminol-hydrogen peroxide reaction catalysed by meso-tetra-(3-methoxyl-4-hydroxyl) phenyl manganese porphyrin. <i>Luminescence</i> , 2011 , 26, 629-33	2.5	3
21	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
20	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
19	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
18	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
17	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
16	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
15	Interface Engineering of CoS ₂ @TeO ₂ /Ti Nanocatalyst for Artificial N ₂ Fixation. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	3
14	Detection of NSE by a photoelectrochemical self-powered immunosensor integrating RGO photocathode and WO ₃ /Mn:CdS nanomaterial photoanode.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114196	11.8	3
13	Regulating the Electron Localization of Metallic Bismuth for Boosting CO Electroreduction.. <i>Nano-Micro Letters</i> , 2021 , 14, 38	19.5	3
12	A sandwiched photoelectrochemical biosensing platform for detecting Cytokeratin-19 fragments based on Ag ₂ S-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

11	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
10	Label-free electrochemical immunoassay for ultrasensitive detection of norethindrone. <i>Monatshefte Für Chemie</i> , 2014 , 145, 155-160	1.4	1
9	Self-Aggregation Behavior of meso-Tetra-(4-trimethylaminophenyl)porphyrin Encapsulated in Reverse Micelles. <i>Spectroscopy Letters</i> , 2010 , 43, 275-281	1.1	1
8	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
7	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
6	No-wash point-of-care biosensing assay for rapid and sensitive detection of aflatoxin B1. <i>Talanta</i> , 2021 , 235, 122772	6.2	1
5	Nanoarrays-roped in situ photoelectrochemical system for microRNA detection.. <i>Biosensors and Bioelectronics</i> , 2022 , 210, 114291	11.8	1
4	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
3	Quenching and binding mechanism of the intrinsic fluorescence of bovine serum albumin by 5-phenyl-10,15,20-tri-(4-pyridyl)-porphyrin. <i>Journal of Porphyrins and Phthalocyanines</i> , 2009 , 13, 933-938	1.8	0
2	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
1	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