

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3848826/qin-wei-publications-by-citations.pdf>

Version: 2024-04-27

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.

576
papers

19,382
citations

68
h-index

101
g-index

592
ext. papers

23,164
ext. citations

8.1
avg. IF

7.31
L-index

#	Paper	IF	Citations
576	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, 211-20	12.8	384
575	Boosted Electrocatalytic N ₂ Reduction to NH ₃ by Defect-Rich MoS ₂ Nanoflower. <i>Advanced Energy Materials</i> , 2018 , 8, 1801357	21.8	371
574	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	14.7	287
573	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, 244-50	12.8	257
572	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
571	Electrochemical N fixation to NH ₃ under ambient conditions: MoN nanorod as a highly efficient and selective catalyst. <i>Chemical Communications</i> , 2018 , 54, 8474-8477	5.8	224
570	High-Performance N-to-NH ₃ Conversion Electrocatalyzed by MoC Nanorod. <i>ACS Central Science</i> , 2019 , 5, 116-121	16.8	223
569	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	12.8	182
568	Electrochemical bisphenol A sensor based on N-doped graphene sheets. <i>Analytica Chimica Acta</i> , 2012 , 711, 24-8	6.6	171
567	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
566	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, 224-9	11.8	154
565	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	12.8	145
564	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, 112-20	9.3	143
563	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
562	Extracellular polymeric substances for Zn (II) binding during its sorption process onto aerobic granular sludge. <i>Journal of Hazardous Materials</i> , 2016 , 301, 407-15	12.8	132
561	Sulfur-Doped Graphene-Based Immunological Biosensing Platform for Multianalysis of Cancer Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37637-37644	9.5	128
560	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

559	Nanobody-Based Apolipoprotein E Immunosensor for Point-of-Care Testing. <i>ACS Sensors</i> , 2017 , 2, 1267-1271	11.8	116
558	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
557	Electrochemical immunosensors for cancer biomarker with signal amplification based on ferrocene functionalized iron oxide nanoparticles. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3590-5	11.8	114
556	3D Nanostructured Palladium-Functionalized Graphene-Aerogel-Supported FeO for Enhanced Ru(bpy)-Based Electrochemiluminescent Immunosensing of Prostate Specific Antigen. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35260-35267	9.5	111
555	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
554	An amorphous FeMoS nanorod array toward efficient hydrogen evolution electrocatalysis under neutral conditions. <i>Chemical Communications</i> , 2017 , 53, 9000-9003	5.8	108
553	A silver-palladium alloy nanoparticle-based electrochemical biosensor for simultaneous detection of ractopamine, clenbuterol and salbutamol. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 14-9	11.8	108
552	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , 2018 , 348, 143-156	14.7	105
551	A novel label-free electrochemical immunosensor based on graphene and thionine nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2010 , 149, 314-318	8.5	105
550	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
549	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, 2976-83	7.8	104
548	A novel sandwich-type electrochemical immunosensor for PSA detection based on PtCu bimetallic hybrid (2D/2D) rGO/g-CN. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 441-448	11.8	103
547	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	9.3	102
546	Ultrasensitive electrochemical immunoassay for CEA through host-guest interaction of Cyclodextrin functionalized graphene and Cu@Ag core-shell nanoparticles with adamantine-modified antibody. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 465-471	11.8	102
545	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
544	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
543	Ultrasensitive electrochemical immunoassay for BRCA1 using BMIMBF ₄ -coated SBA-15 as labels and functionalized graphene as enhancer. <i>Biomaterials</i> , 2011 , 32, 2117-23	15.6	101
542	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	9.3	100

541	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	8.5	99
540	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
539	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
538	Nanoporous PtRu Alloy Enhanced Nonenzymatic Immunosensor for Ultrasensitive Detection of Microcystin-LR. <i>Advanced Functional Materials</i> , 2011 , 21, 4193-4198	15.6	96
537	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
536	Ultrasensitive detection of kanamycin in animal derived foods by label-free electrochemical immunosensor. <i>Food Chemistry</i> , 2012 , 134, 1601-6	8.5	93
535	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
534	Macroporous graphene capped FeO for amplified electrochemiluminescence immunosensing of carcinoembryonic antigen detection based on CeO@TiO. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 842-848	11.8	89
533	Characterization of a multi-metal binding biosorbent: Chemical modification and desorption studies. <i>Bioresource Technology</i> , 2015 , 193, 477-87	11	89
532	Label-free electrochemical immunosensor for prostate-specific antigen based on silver hybridized mesoporous silica nanoparticles. <i>Analytical Biochemistry</i> , 2013 , 434, 123-7	3.1	89
531	Nanoporous gold film based immunosensor for label-free detection of cancer biomarker. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3714-8	11.8	89
530	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
529	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	9.3	87
528	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	6	87
527	Ultrasensitive amperometric immunosensor for PSA detection based on CuO@CeO-Au nanocomposites as integrated triple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 630-637	11.8	87
526	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
525	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
524	Label-free immunosensor based on Pd nanoplates for amperometric immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 305-9	11.8	85

523	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
522	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
521	Dumbbell-like Au-Fe ₃ O ₄ nanoparticles as label for the preparation of electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 627-31	11.8	83
520	Mechanism of Pb(II) and methylene blue adsorption onto magnetic carbonate hydroxyapatite/graphene oxide. <i>RSC Advances</i> , 2015 , 5, 9759-9770	3.7	79
519	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	7.8	79
518	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
517	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
516	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, 222-5	11.8	77
515	An ultrasensitive sandwich-type electrochemical immunosensor based on signal amplification strategy of gold nanoparticles functionalized magnetic multi-walled carbon nanotubes loaded with lead ions. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 626-632	11.8	77
514	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
513	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	6	74
512	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
511	Fe ₃ O ₄ nanoparticles-loaded PEG-PLA polymeric vesicles as labels for ultrasensitive immunosensors. <i>Biomaterials</i> , 2010 , 31, 7332-9	15.6	73
510	Visible-light driven label-free photoelectrochemical immunosensor based on TiO ₂ /S-BiVO ₄ @AgS nanocomposites for sensitive detection OTA. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 14-20	11.8	71
509	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	21.8	71
508	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, 51-6	11.8	68
507	The role of nanomaterials in electroanalytical biosensors: A mini review. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 401-409	4.1	68
506	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

505	Magnetic chitosan/anaerobic granular sludge composite: Synthesis, characterization and application in heavy metal ions removal. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 405-414	9.3	68
504	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
503	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
502	Label-free photoelectrochemical immunosensor for sensitive detection of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 13-8	11.8	67
501	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	6.7	67
500	Efficient electrohydrogenation of N to NH by oxidized carbon nanotubes under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 4997-5000	5.8	66
499	Label-free amperometric immunosensor for the detection of human serum chorionic gonadotropin based on nanoporous gold and graphene. <i>Analytical Biochemistry</i> , 2011 , 414, 196-201	3.1	66
498	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, 723-9	11.8	66
497	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	10.4	64
496	Role of extracellular polymeric substances in biosorption of dye wastewater using aerobic granular sludge. <i>Bioresource Technology</i> , 2015 , 185, 14-20	11	63
495	Construction of self-powered cytosensing device based on ZnO nanodisks@g-CN quantum dots and application in the detection of CCRF-CEM cells. <i>Nano Energy</i> , 2018 , 46, 101-109	17.1	63
494	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	8.5	63
493	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, 42-9	9.3	62
492	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
491	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	6.6	62
490	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	11.8	61
489	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	12.8	61
488	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	11	61

487	Graphene-Based Optical and Electrochemical Biosensors: A Review. <i>Analytical Letters</i> , 2013 , 46, 1-17	2.2	60
486	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
485	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. <i>Analytical Chemistry</i> , 2018 , 90, 1976-1982	7.8	58
484	Sandwich-type electrochemical immunosensor for the detection of AFP based on Pd octahedral and APTES-M-CeO ₂ EGS as signal labels. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 482-7	11.8	58
483	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	3.7	58
482	Metal ions-based immunosensor for simultaneous determination of estradiol and diethylstilbestrol. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 225-31	11.8	58
481	Facile synthesis of cuprous oxide nanowires decorated graphene oxide nanosheets nanocomposites and its application in label-free electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 745-751	11.8	58
480	Sensitive sandwich electrochemical immunosensor for alpha fetoprotein based on prussian blue modified hydroxyapatite. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 112-6	11.8	58
479	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	11.8	58
478	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	8.5	57
477	Electrochemiluminescent competitive immunosensor based on polyethyleneimine capped SiO ₂ nanomaterials as labels to release Ru(bpy) ₃ fixed in 3D Cu/Ni oxalate for the detection of aflatoxin B ₁ . <i>Biosensors and Bioelectronics</i> , 2018 , 101, 290-296	11.8	57
476	Ultrasensitive sandwich-type electrochemical immunosensor based on a novel signal amplification strategy using highly loaded toluidine blue/gold nanoparticles decorated KIT-6/carboxymethyl chitosan/ionic liquids as signal labels. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 618-24	11.8	57
475	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	8.5	57
474	Immobilization of glucose oxidase and platinum on mesoporous silica nanoparticles for the fabrication of glucose biosensor. <i>Electrochimica Acta</i> , 2011 , 56, 2960-2965	6.7	57
473	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	11.8	55
472	Synthesis of amino-functionalized magnetic aerobic granular sludge-biochar for Pb(II) removal: Adsorption performance and mechanism studies. <i>Science of the Total Environment</i> , 2019 , 685, 681-689	10.2	55
471	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
470	Ultra-thin wrinkled NiOOH-NiCrO ₂ nanosheets on Ni foam: an advanced catalytic electrode for oxygen evolution reaction. <i>Chemical Communications</i> , 2018 , 54, 4987-4990	5.8	54

469	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
468	High-performance N-to-NH fixation by a metal-free electrocatalyst. <i>Nanoscale</i> , 2019 , 11, 4231-4235	7.7	54
467	Application of Europium Multiwalled Carbon Nanotubes as Novel Luminophores in an Electrochemiluminescent Aptasensor for Thrombin Using Multiple Amplification Strategies. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12663-70	9.5	53
466	A novel label-free photoelectrochemical sensor based on N,S-GQDs and CdS co-sensitized hierarchical ZnSnO cube for detection of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 14-20	11.8	53
465	Facile synthesis of MoS@CuO-Pt nanohybrid as enzyme-mimetic label for the detection of the Hepatitis B surface antigen. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 512-518	11.8	53
464	Highly selective fluorescent chemosensor for detection of Fe(3+) based on Fe ₃ O ₄ @ZnO. <i>Scientific Reports</i> , 2016 , 6, 23558	4.9	53
463	Ultrasensitive photoelectrochemical immunosensor for the detection of amyloid E protein based on SnO/SnS/AgS nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 1-7	11.8	53
462	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	9.5	53
461	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	11.1	52
460	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
459	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
458	Plasmon enhanced photoelectrochemical sensing of mercury (II) ions in human serum based on Au@Ag nanorods modified TiO ₂ nanosheets film. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 866-73	11.8	52
457	Sandwich-type electrochemical immunoassay based on CoO@MnO-thionine and pseudo-ELISA method toward sensitive detection of alpha fetoprotein. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 179-185	11.8	51
456	Ultrasensitive non-enzymatic immunosensor for carcino-embryonic antigen based on palladium hybrid vanadium pentoxide/multiwalled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 1104-1111	11.8	51
455	A photoelectrochemical sensor for highly sensitive detection of amyloid beta based on sensitization of Mn:CdSe to BiWO ₃ /CdS. <i>Biosensors and Bioelectronics</i> , 2018 , 122, 37-42	11.8	51
454	A bio-chemical application of N-GQDs and g-CN QDs sensitized TiO ₂ nanopillars for the quantitative detection of pcDNA3-HBV. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 456-464	11.8	50
453	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
452	A novel electrochemiluminescent immunosensor based on the quenching effect of aminated graphene on nitrogen-doped carbon quantum dots. <i>Analytica Chimica Acta</i> , 2015 , 889, 82-9	6.6	49

451	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
450	Label-free photoelectrochemical immunosensor for NT-proBNP detection based on La-CdS/3D ZnInS/Au@ZnO sensitization structure. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 773-780	11.8	48
449	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
448	Fabrication of InS/ZnGeO composite photocatalyst for degradation of acetaminophen under visible light. <i>Journal of Colloid and Interface Science</i> , 2017 , 506, 197-206	9.3	47
447	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	8.5	47
446	A signal-off sandwich photoelectrochemical immunosensor using TiO ₂ coupled with CdS as the photoactive matrix and copper (II) ion as inhibitor. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 97-102	11.8	45
445	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
444	Ultrasensitive electrochemical aptasensor for the detection of thrombin based on dual signal amplification strategy of Au@GS and DNA-CoPd NPs conjugates. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 640-646	11.8	45
443	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	13	45
442	Application of anaerobic granular sludge for competitive biosorption of methylene blue and Pb(II): Fluorescence and response surface methodology. <i>Bioresource Technology</i> , 2015 , 194, 297-304	11	44
441	Graphene loaded bimetallic Au@Pt nanodendrites enhancing ultrasensitive electrochemical immunoassay of AFP. <i>Sensors and Actuators B: Chemical</i> , 2016 , 231, 513-519	8.5	44
440	A competitive photoelectrochemical immunosensor for the detection of diethylstilbestrol based on an Au/UiO-66(NH)/CdS matrix and a direct Z-scheme Melem/CdTe heterojunction as labels. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 575-582	11.8	44
439	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
438	A label-free electrochemiluminescence immunosensor based on silver nanoparticle hybridized mesoporous carbon for the detection of Aflatoxin B ₁ . <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 53-59	8.5	43
437	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
436	A "turn-off" fluorescent biosensor for the detection of mercury (II) based on graphite carbon nitride. <i>Talanta</i> , 2017 , 162, 46-51	6.2	43
435	Phase-junction design of MOF-derived TiO ₂ photoanodes sensitized with quantum dots for efficient hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118317	21.8	43
434	CuS as co-reaction accelerator in PTCA-KSO 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	11.8	43

433	Ni(OH)/NGQDs-based electrochemiluminescence immunosensor for prostate specific antigen detection by coupling resonance energy transfer with FeO@MnO composites. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 346-352	11.8	43
432	Electrochemical immunosensor for ochratoxin A detection based on Au octahedron plasmonic colloidosomes. <i>Analytica Chimica Acta</i> , 2018 , 1032, 114-121	6.6	43
431	Biological denitrification in an anoxic sequencing batch biofilm reactor: Performance evaluation, nitrous oxide emission and microbial community. <i>Bioresource Technology</i> , 2019 , 285, 121359	11	42
430	A visible light induced photoelectrochemical aptasensor constructed by aligned ZnO@CdTe core shell nanocable arrays/carboxylated g-C ₃ N ₄ for the detection of Proprotein convertase subtilisin/kexin type 6 gene. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 49-58	11.8	42
429	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
428	Comparative study of the role of extracellular polymeric substances in biosorption of Ni(II) onto aerobic/anaerobic granular sludge. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 754-761	9.3	41
427	Quenched electrochemiluminescence of Ag nanoparticles functionalized g-C ₃ N ₄ by ferrocene for highly sensitive immunosensing. <i>Analytica Chimica Acta</i> , 2015 , 854, 40-6	6.6	41
426	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
425	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
424	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	8.5	41
423	Metal organic framework nanofibers derived Co ₃ O ₄ -doped carbon-nitrogen nanosheet arrays for high efficiency electrocatalytic oxygen evolution. <i>Carbon</i> , 2018 , 137, 433-441	10.4	41
422	Bioactivity-Protected Electrochemiluminescence Biosensor Using Gold Nanoclusters as the Low-Potential Luminophor and CuS Snowflake as Co-reaction Accelerator for Procalcitonin Analysis. <i>ACS Sensors</i> , 2019 , 4, 1909-1916	9.2	40
421	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
420	Effects of hydraulic retention time and biofloculant addition on membrane fouling in a sponge-submerged membrane bioreactor. <i>Bioresource Technology</i> , 2016 , 210, 11-7	11	40
419	Ultrasensitive non-enzymatic and non-mediator electrochemical biosensor using nitrogen-doped graphene sheets for signal amplification and nanoporous alloy as carrier. <i>Electrochimica Acta</i> , 2013 , 97, 105-111	6.7	40
418	Ionic liquid functionalized graphene based immunosensor for sensitive detection of carbohydrate antigen 15-3 integrated with Cd(2+)-functionalized nanoporous TiO ₂ as labels. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 75-80	11.8	40
417	Bioinspired synthesis of organic-inorganic hybrid nanoflowers for robust enzyme-free electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2019 , 133, 94-99	11.8	39
416	Label electrochemical immunosensor for prostate-specific antigen based on graphene and silver hybridized mesoporous silica. <i>Analytical Biochemistry</i> , 2015 , 469, 76-82	3.1	39

415	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
414	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
413	Guiding protein delivery into live cells using DNA-programmed membrane fusion. <i>Chemical Science</i> , 2018 , 9, 5967-5975	9.4	39
412	Oxygen defect engineering in cobalt iron oxide nanosheets for promoted overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21704-21710	13	39
411	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
410	Ultrasensitive electrochemical immunosensor for zexanol detection based on signal amplification strategy of nanoporous gold films and nano-montmorillonite as labels. <i>Analytica Chimica Acta</i> , 2013 , 758, 72-9	6.6	39
409	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
408	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
407	Ultrasensitive competitive method-based electrochemiluminescence immunosensor for diethylstilbestrol detection based on Ru(bpy) as luminophor encapsulated in metal-organic frameworks UiO-67. <i>Biosensors and Bioelectronics</i> , 2018 , 110, 201-206	11.8	38
406	Ultrasensitive non-mediator electrochemical immunosensors using Au/Ag/Au core/double shell nanoparticles as enzyme-mimetic labels. <i>Talanta</i> , 2014 , 124, 60-6	6.2	38
405	Electrochemical immunosensor for Hfetoprotein detection using ferroferric oxide and horseradish peroxidase as signal amplification labels. <i>Analytical Biochemistry</i> , 2014 , 465, 121-6	3.1	38
404	Partial nitrification granular sludge reactor as a pretreatment for anaerobic ammonium oxidation (Anammox): Achievement, performance and microbial community. <i>Bioresource Technology</i> , 2018 , 269, 25-31	11	37
403	Construction of label-free electrochemical immunosensor on mesoporous carbon nanospheres for breast cancer susceptibility gene. <i>Analytica Chimica Acta</i> , 2013 , 770, 62-7	6.6	37
402	Sandwich-Type Electrochemiluminescence Sensor for Detection of NT-proBNP by Using High Efficiency Quench Strategy of FeO@PDA toward Ru(bpy) Coordinated with Silver Oxalate. <i>ACS Sensors</i> , 2017 , 2, 1774-1778	9.2	37
401	Zinc-doping enhanced cadmium sulfide electrochemiluminescence behavior based on Au-Cu alloy nanocrystals quenching for insulin detection. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 115-121	11.8	37
400	A sandwich-type photoelectrochemical immunosensor for NT-pro BNP detection based on F-BiWO ₃ /AgS and GO/PDA for signal amplification. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 299-306	11.8	36
399	Biosorption performance evaluation of heavy metal onto aerobic granular sludge-derived biochar in the presence of effluent organic matter via batch and fluorescence approaches. <i>Bioresource Technology</i> , 2018 , 249, 410-416	11	36
398	Fabrication of magnetic water-soluble hyperbranched polyol functionalized graphene oxide for high-efficiency water remediation. <i>Scientific Reports</i> , 2016 , 6, 28924	4.9	36

397	Gold nanoparticles enhanced electrochemiluminescence of graphite-like carbon nitride for the detection of Nuclear Matrix Protein 22. <i>Sensors and Actuators B: Chemical</i> , 2014 , 205, 176-183	8.5	36
396	Dual Intramolecular Electron Transfer for In Situ Coreactant-Embedded Electrochemiluminescence Microimaging of Membrane Protein. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 197-201	16.4	36
395	Ultrasensitive photoelectrochemical immunosensor of cardiac troponin I detection based on dual inhibition effect of Ag@CuO core-shell submicron-particles on CdS QDs sensitized TiO nanosheets. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 340-346	11.8	36
394	MnCO as a New Electrochemiluminescence Emitter for Ultrasensitive Bioanalysis of β Amyloid Oligomers Based on Site-Directed Immobilization of Antibody. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7157-7163	9.5	35
393	Quench-type electrochemiluminescence immunosensor for detection of amyloid β protein based on resonance energy transfer from luminol@SnS-Pd to Cu doped WO nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019 , 133, 192-198	11.8	35
392	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
391	Ultrasensitive nonenzymatic immunosensor based on bimetallic gold/silver nanoclusters synthesized by simple mortar grinding route. <i>Sensors and Actuators B: Chemical</i> , 2014 , 194, 64-70	8.5	35
390	An ultrasensitive electrochemical immunosensor for the detection of salbutamol based on Pd@SBA-15 and ionic liquid. <i>Electrochimica Acta</i> , 2012 , 69, 79-85	6.7	35
389	Nonenzymatic immunosensor for detection of carbohydrate antigen 15-3 based on hierarchical nanoporous Pt/Fe alloy. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 295-9	11.8	35
388	System performance and microbial community succession in a partial nitrification biofilm reactor in response to salinity stress. <i>Bioresource Technology</i> , 2018 , 270, 512-518	11	35
387	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
386	Nanobody-Based Electrochemical Immunoassay for Ultrasensitive Determination of Apolipoprotein-A1 Using Silver Nanoparticles Loaded Nanohydroxyapatite as Label. <i>Analytical Chemistry</i> , 2015 , 87, 11209-14	7.8	34
385	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
384	An ITO-based point-of-care colorimetric immunosensor for ochratoxin A detection. <i>Talanta</i> , 2018 , 188, 593-599	6.2	34
383	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
382	Electrochemical immunosensor for detecting typical bladder cancer biomarker based on reduced graphene oxide-tetraethylene pentamine and trimetallic AuPdPt nanoparticles. <i>Talanta</i> , 2015 , 143, 77-82	6.2	34
381	Fabrication of hierarchical MIL-68(In)-NH/MWCNT/CdS composites for constructing label-free photoelectrochemical tetracycline aptasensor platform. <i>Biosensors and Bioelectronics</i> , 2019 , 135, 88-94	11.8	33
380	A competitive photoelectrochemical assay for estradiol based on in situ generated CdS-enhanced TiO ₂ . <i>Biosensors and Bioelectronics</i> , 2015 , 66, 596-602	11.8	33

379	Double electrochemiluminescence quenching effects of FeO@PDA-CuO towards self-enhanced Ru(bpy) functionalized MOFs with hollow structure and its application to procalcitonin immunosensing. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111521	11.8	33
378	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
377	Characterization of soluble microbial products in a partial nitrification sequencing batch biofilm reactor treating high ammonia nitrogen wastewater. <i>Bioresource Technology</i> , 2018 , 249, 241-246	11	32
376	A photoelectrochemical biosensor for fibroblast-like synoviocyte cell using visible light-activated NCQDs sensitized-ZnO/CH ₃ NH ₃ PbI ₃ heterojunction. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 330-8	11.8	32
375	Ultrasensitive electrochemiluminescence immunosensor based on Ru(bpy) ₃ ²⁺ and Ag nanoparticles doped SBA-15 for detection of cancer antigen 15-3. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 462-468	8.5	32
374	A label-free voltammetric immunoassay based on 3D-structured rGO/MWCNTs for detection of human immunoglobulin G. <i>Sensors and Actuators B: Chemical</i> , 2015 , 211, 170-176	8.5	32
373	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
372	Sensitive electrochemical immunosensor for cancer biomarker with signal enhancement based on nitrodopamine-functionalized iron oxide nanoparticles. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3044-9	11.8	32
371	Electrochemical DNA probe for Hg(2+) detection based on a triple-helix DNA and Multistage Signal Amplification Strategy. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 907-912	11.8	32
370	Performance, microbial community and fluorescent characteristic of microbial products in a solid-phase denitrification biofilm reactor for WWTP effluent treatment. <i>Journal of Environmental Management</i> , 2018 , 227, 375-385	7.9	32
369	Facile preparation of water-soluble hyperbranched polyamine functionalized multiwalled carbon nanotubes for high-efficiency organic dye removal from aqueous solution. <i>Scientific Reports</i> , 2017 , 7, 3611	4.9	31
368	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
367	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
366	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
365	Ultrasensitive immunoassay for CA125 detection using acid site compound as signal and enhancer. <i>Talanta</i> , 2015 , 144, 535-41	6.2	31
364	Cubic Cu ₂ O nanoframes with a unique edge-truncated structure and a good electrocatalytic activity for immunosensor application. <i>Biosensors and Bioelectronics</i> , 2016 , 78, 167-173	11.8	31
363	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
362	A competitive-type photoelectrochemical immunosensor for aflatoxin B1 detection based on flower-like WO ₃ as matrix and Ag ₂ S-enhanced BiVO ₄ for signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2018 , 270, 104-111	8.5	31

361	Copper-doped titanium dioxide nanoparticles as dual-functional labels for fabrication of electrochemical immunosensors. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 335-41	11.8	31
360	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
359	Ultrasensitive electrochemical immunosensor for alpha fetoprotein detection based on platinum nanoparticles anchored on cobalt oxide/graphene nanosheets for signal amplification. <i>Analytica Chimica Acta</i> , 2017 , 986, 138-144	6.6	31
358	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
357	Ultrasensitive photoelectrochemical aptasensing of miR-155 using efficient and stable CH ₃ NH ₃ PbI ₃ quantum dots sensitized ZnO nanosheets as light harvester. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 142-150	11.8	31
356	Responses of soluble microbial products and extracellular polymeric substances to the presence of toxic 2,6-dichlorophenol in aerobic granular sludge system. <i>Journal of Environmental Management</i> , 2016 , 183, 594-600	7.9	31
355	Ultrasensitive photoelectrochemical immunosensor for insulin detection based on dual inhibition effect of CuS-SiO ₂ composite on CdS sensitized C-TiO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 1-9	8.5	31
354	Sulfur-Doped CoO Nanoflakes with Loosely Packed Structure Realizing Enhanced Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2018 , 24, 17288-17292	4.8	31
353	Ultrasensitive immunosensor for prostate specific antigen using biomimetic polydopamine nanospheres as an electrochemiluminescence superquencher and antibody carriers. <i>Analytica Chimica Acta</i> , 2017 , 963, 17-23	6.6	30
352	Electrochemiluminescent immune-modified electrodes based on Ag ₂ Se@CdSe nanoneedles loaded with polypyrrole intercalated graphene for detection of CA72-4. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 867-72	9.5	30
351	Label-free photoelectrochemical immunosensor for carcinoembryonic antigen detection based on g-C ₃ N ₄ nanosheets hybridized with Zn _{0.1} Cd _{0.9} S nanocrystals. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 812-819	8.5	30
350	Using SiO ₂ /PDA-Ag NPs to dual-inhibited photoelectrochemical activity of CeO ₂ -CdS composites fabricated a novel immunosensor for BNP ultrasensitive detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 349-355	8.5	30
349	A highly sensitive gas sensor based on Pd-doped Fe ₃ O ₄ nanoparticles for volatile organic compounds detection. <i>Analytical Methods</i> , 2014 , 6, 886-892	3.2	30
348	Rapid removal of Pb(II) from aqueous solution using branched polyethylenimine enhanced magnetic carboxymethyl chitosan optimized with response surface methodology. <i>Scientific Reports</i> , 2017 , 7, 10264	4.9	30
347	A label-free electrochemiluminescence immunosensor based on EuPO ₄ nanowire for the ultrasensitive detection of Prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 352-358	11.8	30
346	An electrochemical sensor based on Fe ₃ O ₄ @PANI nanocomposites for sensitive detection of Pb ²⁺ and Cd ²⁺ . <i>Analytical Methods</i> , 2018 , 10, 4784-4792	3.2	30
345	Photoelectrochemical Biosensor for Sensitive Detection of Soluble CD44 Based on the Facile Construction of a Poly(ethylene glycol)/Hyaluronic Acid Hybrid Antifouling Interface. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24764-24770	9.5	29
344	Nitrogen removal in a combined aerobic granular sludge and solid-phase biological denitrification system: System evaluation and community structure. <i>Bioresource Technology</i> , 2019 , 288, 121504	11	29

343	Ultrasensitive sandwich-type electrochemical immunosensor based on trimetallic nanocomposite signal amplification strategy for the ultrasensitive detection of CEA. <i>Scientific Reports</i> , 2016 , 6, 30849	4.9	29
342	Ultrasensitive sandwich-type electrochemical immunosensor based on a novel signal amplification strategy using highly loaded palladium nanoparticles/carbon decorated magnetic microspheres as signal labels. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 757-762	11.8	29
341	Label-free electrochemical immunosensor for insulin detection by high-efficiency synergy strategy of Pd NPs@3D MoS towards HO. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 108-114	11.8	29
340	Dual-Mode Electrochemical Immunoassay for Insulin Based on CuS-Au as a Double Signal Indicator. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38791-38798	9.5	29
339	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
338	A pH Indicator-linked Immunosorbent assay following direct amplification strategy for colorimetric detection of protein biomarkers. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 1-5	11.8	28
337	Electrochemiluminescent immunosensor for prostate specific antigen based upon luminol functionalized platinum nanoparticles loaded on graphene. <i>Analytical Biochemistry</i> , 2019 , 566, 50-57	3.1	28
336	A dual-signaling electrochemical ratiometric method for sensitive detection of carcinoembryonic antigen based on Au-Cu ₂ S-CuS/graphene and Au-CeO ₂ supported toluidine blue complex. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 504-511	8.5	28
335	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
334	Sandwich-type amperometric immunosensor using functionalized magnetic graphene loaded gold and silver core-shell nanocomposites for the detection of Carcinoembryonic antigen. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 795, 1-9	4.1	27
333	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
332	Rod-like BiO decorated BiO ₂ CO plates: Facile synthesis, promoted charge separation, and highly efficient photocatalytic degradation of organic contaminants. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 240-249	9.3	27
331	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
330	Simple synthesis of silver nanoparticles functionalized cuprous oxide nanowires nanocomposites and its application in electrochemical immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 241-248	8.5	27
329	Boosting electrocatalytic nitrogen fixation via energy-efficient anodic oxidation of sodium gluconate. <i>Chemical Communications</i> , 2019 , 55, 10170-10173	5.8	27
328	Removal of Metanil Yellow from water environment by amino functionalized graphenes (NH ₂ -G) □ Influence of surface chemistry of NH ₂ -G. <i>Applied Surface Science</i> , 2013 , 284, 862-869	6.7	27
327	Ultrasensitive Photoelectrochemical Biosensing Platform for Detecting N-Terminal Pro-brain Natriuretic Peptide Based on SnO/SnS/mpg-CN Amplified by PbS/SiO. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31080-31087	9.5	27
326	Assessment of microbial products in the biosorption process of Cu(II) onto aerobic granular sludge: Extracellular polymeric substances contribution and soluble microbial products release. <i>Journal of Colloid and Interface Science</i> , 2018 , 527, 87-94	9.3	27

325	Aerobic granular sludge-derived activated carbon: mineral acid modification and superior dye adsorption capacity. <i>RSC Advances</i> , 2015 , 5, 25279-25286	3.7	26
324	A novel electrochemical immunosensor using Cyclodextrins functionalized silver supported adamantine-modified glucose oxidase as labels for ultrasensitive detection of alpha-fetoprotein. <i>Analytica Chimica Acta</i> , 2015 , 893, 49-56	6.6	26
323	Electrochemiluminescence Double Quenching System Based on Novel Emitter GdPO:Eu with Low-Excited Positive Potential for Ultrasensitive Procalcitonin Detection. <i>ACS Sensors</i> , 2019 , 4, 2825-2831	9.2	26
322	Sulfur Incorporated CoFe ₂ O ₄ /Multiwalled Carbon Nanotubes toward Enhanced Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , 2017 , 247, 843-850	6.7	26
321	A network signal amplification strategy of ultrasensitive photoelectrochemical immunosensing carcinoembryonic antigen based on CdSe/melamine network as label. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 764-770	11.8	26
320	Electrochemiluminescence modified electrodes based on RuSi@Ru(bpy) ₃ (2+) loaded with gold functioned nanoporous CO/Co ₃ O ₄ for detection of mycotoxin deoxynivalenol. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 28-33	11.8	25
319	A novel controlled release system-based homogeneous immunoassay protocol for SCCA using magnetic mesoporous Fe ₃ O ₄ as a nanocontainer and aminated polystyrene microspheres as a molecular gate. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 141-5	11.8	25
318	Label-free electrochemical immunosensor based on biocompatible nanoporous FeO and biotin-streptavidin system for sensitive detection of zearalenone. <i>Analyst, The</i> , 2020 , 145, 1368-1375	5	25
317	Comparison of nitrous oxide emissions in partial nitrifying and full nitrifying granular sludge reactors treating ammonium-rich wastewater. <i>Bioresource Technology</i> , 2014 , 171, 487-90	11	25
316	Label-free immunosensor based on Au@Ag ₂ S nanoparticles/magnetic chitosan matrix for sensitive determination of ractopamine. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 741, 14-19	4.1	25
315	A novel magnetic polysaccharide-graphene oxide composite for removal of cationic dyes from aqueous solution. <i>New Journal of Chemistry</i> , 2015 , 39, 2908-2916	3.6	25
314	Ni(OH) ₂ nanoarrays based molecularly imprinted polymer electrochemical sensor for sensitive detection of sulfapyridine. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 551-556	8.5	25
313	Ratiometric electrochemical immunosensor for the detection of procalcitonin based on the ratios of SiO-Fc-COOH-Au and UiO-66-TB complexes. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112713	11.8	25
312	Metal-Organic Framework-Derived CoO/Au Heterostructure as a Catalyst for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34068-34076	9.5	25
311	Qualitative and quantitative analysis of extracellular polymeric substances in partial nitrification and full nitrification reactors. <i>Bioresource Technology</i> , 2017 , 240, 171-176	11	24
310	Achievement, performance and characteristics of microbial products in a partial nitrification sequencing batch reactor as a pretreatment for anaerobic ammonium oxidation. <i>Chemosphere</i> , 2017 , 183, 212-218	8.4	24
309	Cobalt-based metal-organic frameworks as co-reaction accelerator for enhancing electrochemiluminescence behavior of N-(aminobutyl)-N-(ethylisoluminol) and ultrasensitive immunosensing of amyloid- β protein. <i>Sensors and Actuators B: Chemical</i> , 2019 , 291, 319-328	8.5	24
308	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

307	A dual-mode PCT electrochemical immunosensor with CuCoS bimetallic sulfides as enhancer. <i>Biosensors and Bioelectronics</i> , 2020 , 163, 112280	11.8	24
306	Ultrasensitive electrochemiluminescence immunosensor for the detection of amyloid- β proteins based on resonance energy transfer between g-CN and Pd NPs coated NH-MIL-53. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111517	11.8	24
305	A ternary quenching electrochemiluminescence insulin immunosensor based on Mn released from MnO@Carbon core-shell nanospheres with ascorbic acid quenching AuPdPt-MoS@TiO enhanced luminol. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111551	11.8	24
304	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
303	Polydopamine-PEG-Folic Acid Conjugate Film Engineered TiO Nanotube Arrays for Photoelectrochemical Sensing of Folate Binding Protein. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1877-1884	9.5	24
302	One-pot synthesis of PtAu bimetallic nanocrystals with different structures and their enhanced electrocatalytic properties. <i>Nano Research</i> , 2018 , 11, 2612-2624	10	24
301	An ultrasensitive electrochemical immunosensor for the detection of prostate-specific antigen based on conductivity nanocomposite with halloysite nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 3245-3251	4.4	23
300	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
299	A simple label-free photoelectrochemical immunosensor for highly sensitive detection of aflatoxin B1 based on CdS@Fe ₃ O ₄ magnetic nanocomposites. <i>RSC Advances</i> , 2015 , 5, 19581-19586	3.7	23
298	Rapid colorimetric detection of melamine by H ₂ O ₂ @Au nanoparticles. <i>RSC Advances</i> , 2015 , 5, 32897-32903	3.7	23
297	A highly selective and sensitive detection of insulin with chemiluminescence biosensor based on aptamer and oligonucleotide-AuNPs functionalized nanosilica @ graphene oxide aerogel. <i>Analytica Chimica Acta</i> , 2019 , 1089, 152-164	6.6	23
296	Facile synthesized highly active BiOI/Zn ₂ GeO ₄ composites for the elimination of endocrine disrupter BPA under visible light irradiation. <i>New Journal of Chemistry</i> , 2015 , 39, 3964-3972	3.6	23
295	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
294	Photoelectrochemical competitive immunosensor for 17 β -estradiol detection based on ZnInS@NH-MIL-125(Ti) amplified by PDA NS/Mn:ZnCdS. <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111739	11.8	23
293	Ultrasensitive electrochemical immunosensor for quantitative detection of tumor specific growth factor by using Ag@CeO ₂ nanocomposite as labels. <i>Talanta</i> , 2016 , 156-157, 11-17	6.2	23
292	Dual mode competitive electrochemical immunoassay for B-type natriuretic peptide based on GS/SnO/polyaniline-Au and ZnCoO/N-CNTs. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 448-454	11.8	23
291	Label-free ECL immunosensor for the early diagnosis of rheumatoid arthritis based on asymmetric heterogeneous polyaniline-gold nanomaterial. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 354-361	8.5	23
290	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

289	A self-powered photoelectrochemical cathodic aptasensor for the detection of 17 β -estradiol based on FeOOH/InS photoanode. <i>Biosensors and Bioelectronics</i> , 2020 , 154, 112089	11.8	22
288	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
287	Ultrasensitive photoelectrochemical immunosensor based on Cu-doped TiO ₂ and carbon nitride for detection of carcinoembryonic antigen. <i>Carbon</i> , 2019 , 146, 276-283	10.4	21
286	CdSe quantum dot-functionalized TiO ₂ nano hybrids as a visible light induced photoelectrochemical platform for the detection of proprotein convertase subtilisin/kexin type 6. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 88-97	11.8	21
285	Label-free electrochemical immunosensor with palladium nanoparticles functionalized MoS ₂ /NiCo heterostructures for sensitive procalcitonin detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 312, 127980	8.5	21
284	Aptamer based electrochemiluminescent thrombin assay using carbon dots anchored onto silver-decorated polydopamine nanospheres. <i>Mikrochimica Acta</i> , 2018 , 185, 85	5.8	21
283	Biomimetic nanopore for sensitive and selective detection of Hg(II) in conjunction with single-walled carbon nanotubes. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 6371-6377	7.3	21
282	Enhanced electrochemiluminescence from luminol at carboxyl graphene for detection of β -fetoprotein. <i>Analytical Biochemistry</i> , 2014 , 457, 59-64	3.1	21
281	A competitive photoelectrochemical immunosensor based on a CdS-induced signal amplification strategy for the ultrasensitive detection of dexamethasone. <i>Scientific Reports</i> , 2015 , 5, 17945	4.9	21
280	Ultrasensitive sandwich-type prostate specific antigen immunosensor based on Ag overgrowth in Pd nano-octahedrons heterodimers decorated on amino functionalized multiwalled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 733-739	8.5	21
279	Green gradient multi-shell CuInSe ₂ /(CuInSexS _{1-x}) ₅ /CuInS ₂ quantum dots for photo-electrochemical hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2021 , 280, 119402	21.8	21
278	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
277	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
276	Multivalent Aminosaccharide-Based Gold Nanoparticles as Narrow-Spectrum Antibiotics in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7725-7730	9.5	20
275	3D sandwich-type prostate specific antigen (PSA) immunosensor based on rGO/MWCNT/Bd nanocomposite. <i>New Journal of Chemistry</i> , 2015 , 39, 5522-5528	3.6	20
274	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
273	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
272	Magnetic hydroxypropyl chitosan functionalized graphene oxide as adsorbent for the removal of lead ions from aqueous solution. <i>Desalination and Water Treatment</i> , 2016 , 57, 3975-3984		20

271	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
270	A label-free amperometric immunosensor for the detection of carcinoembryonic antigen based on novel magnetic carbon and gold nanocomposites. <i>RSC Advances</i> , 2015 , 5, 19961-19969	3.7	20
269	Anchoring Au(111) on a Bismuth Sulfide Nanorod: Boosting the Artificial Electrocatalytic Nitrogen Reduction Reaction under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55838-55843	9.5	20
268	Effect of turbidity on micropollutant removal and membrane fouling by MIEX/ultrafiltration hybrid process. <i>Chemosphere</i> , 2019 , 216, 488-498	8.4	20
267	Label-free photoelectrochemical immunosensor for amyloid β protein detection based on SnO/CdCO/CdS synthesized by one-pot method. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 23-29	11.8	20
266	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
265	Electrochemiluminescence quenching of luminol by CuS in situ grown on reduced graphene oxide for detection of N-terminal pro-brain natriuretic peptide. <i>Biosensors and Bioelectronics</i> , 2018 , 112, 40-47	11.8	19
264	An ultrasensitive label-free electrochemical immunosensor based on signal amplification strategy of multifunctional magnetic graphene loaded with cadmium ions. <i>Scientific Reports</i> , 2016 , 6, 21281	4.9	19
263	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
262	Ultrasensitive dual amplification sandwich immunosensor for breast cancer susceptibility gene based on sheet materials. <i>Analyst, The</i> , 2014 , 139, 3061-8	5	19
261	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
260	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
259	Metal oxide- and N-codoped carbon nanosheets: facile synthesis derived from MOF nanofibers and their application in oxygen evolution. <i>Chemical Communications</i> , 2018 , 54, 264-267	5.8	19
258	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. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 510-517	9.3	19
257	AuCu O-Embedded Mesoporous CeO Nanocomposites as a Signal Probe for Electrochemical Sensitive Detection of Amyloid-Beta Protein. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12335-12341	9.4	18
256	Morphology-dependent electrochemical behavior of 18-facet CuS nanocrystals based electrochemical sensing platform for hydrogen peroxide and prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2018 , 112, 143-148	11.8	18
255	Highly-sensitive electrochemiluminescence biosensor for NT-proBNP using MoS ₂ @Cu ₂ S as signal-enhancer and multinary nanocrystals loaded in mesoporous UiO-66-NH ₂ as novel luminophore. <i>Sensors and Actuators B: Chemical</i> , 2020 , 307, 127619	8.5	18
254	MOF-Based Supramolecule Helical Nanomaterials: Toward Highly Enantioselective Electrochemical Recognition of Penicillamine. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1533-1538	9.5	18

253	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
252	Novel Chemiluminescence Sensor for Thrombin Detection Based on Dual-Aptamer Biorecognition and Mesoporous Silica Encapsulated with Iron Porphyrin. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5569-5577	9.5	17
251	A robust electrochemiluminescence immunoassay for carcinoembryonic antigen detection based on a microtiter plate as a bridge and Au@Pd nanorods as a peroxidase mimic. <i>Analyst, The</i> , 2016 , 141, 337-45	5	17
250	Visible-light driven Photoelectrochemical Immunosensor Based on SnS@mpg-CN for Detection of Prostate Specific Antigen. <i>Scientific Reports</i> , 2017 , 7, 4629	4.9	17
249	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
248	Label-free electrochemiluminescent immunosensor for detection of prostate specific antigen based on mesoporous graphite-like carbon nitride. <i>Talanta</i> , 2018 , 188, 729-735	6.2	17
247	Sandwich-type signal-off photoelectrochemical immunosensor based on dual suppression effect of PbS quantum dots/Co3O4 polyhedron as signal amplification for procalcitonin detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 300, 127001	8.5	16
246	Dual-responsive electrochemical immunosensor for detection of insulin based on dual-functional zinc silicate spheres-palladium nanoparticles. <i>Talanta</i> , 2018 , 179, 420-425	6.2	16
245	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
244	Biosorption of effluent organic matter onto magnetic biochar composite: Behavior of fluorescent components and their binding properties. <i>Bioresource Technology</i> , 2016 , 214, 259-265	11	16
243	Dual-signal sandwich electrochemical immunosensor for amyloid β protein detection based on Cu-ALO-g-CN-Pd and UiO-66@PANI-MB. <i>Analytica Chimica Acta</i> , 2019 , 1089, 48-55	6.6	16
242	Simultaneous electrochemical immunosensor based on water-soluble polythiophene derivative and functionalized magnetic material. <i>Analytica Chimica Acta</i> , 2014 , 845, 85-91	6.6	16
241	Assembly of graphene nanocomposites into honeycomb-structured macroporous films with enhanced hydrophobicity. <i>New Journal of Chemistry</i> , 2013 , 37, 1307	3.6	16
240	Co-Doped FeS ₂ with a porous structure for efficient electrocatalytic overall water splitting. <i>New Journal of Chemistry</i> , 2020 , 44, 1711-1718	3.6	16
239	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
238	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
237	Photoelectrochemical determination of Hg(II) via dual signal amplification involving SPR enhancement and a folding-based DNA probe. <i>Mikrochimica Acta</i> , 2017 , 184, 1379-1387	5.8	15
236	An ultrasensitive electrochemical immunosensor for determination of estradiol using coralloid Cu ₂ S nanostructures as labels. <i>RSC Advances</i> , 2015 , 5, 6512-6517	3.7	15

235	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
234	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
233	A sandwich-type electrochemical immunosensor based on the biotin- streptavidin-biotin structure for detection of human immunoglobulin G. <i>Scientific Reports</i> , 2016 , 6, 22694	4.9	15
232	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
231	Electrochemical aptasensor based on Au@HS-rGO and thymine-Hg ²⁺ -thymine structure for sensitive detection of mercury ion. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 848, 113308	4.1	15
230	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
229	Engineering microstructured porous films for multiple applications via mussel-inspired surface coating. <i>RSC Advances</i> , 2013 , 3, 25291	3.7	15
228	Electrochemical Immunosensor for Ultrasensitive Detection of Human Chorionic Gonadotropin Based on Pd@SBA-15. <i>Electroanalysis</i> , 2013 , 25, 427-432	3	15
227	A novel ultrasensitive sandwich-type photoelectrochemical immunoassay for PSA detection based on dual inhibition effect of Au/MWCNTs nanohybrids on N-GQDs/CdS QDs dual sensitized urchin-like TiO ₂ . <i>Electrochimica Acta</i> , 2020 , 333, 135480	6.7	15
226	A Fluorescence Approach to Assess the Production of Soluble Microbial Products from Aerobic Granular Sludge Under the Stress of 2,4-Dichlorophenol. <i>Scientific Reports</i> , 2016 , 6, 24444	4.9	15
225	GO/PEDOT:NaPSS modified cathode as heterogeneous electro-Fenton pretreatment and subsequently aerobic granular sludge biological degradation for dye wastewater treatment. <i>Science of the Total Environment</i> , 2020 , 700, 134536	10.2	15
224	Bare conical nanopore embedded in polymer membrane for Cr(III) sensing. <i>Talanta</i> , 2015 , 140, 219-225	6.2	14
223	Zinc and Molybdenum Co-Doped BiVO Nanoarray for Photoelectrochemical Diethylstilbestrol Analysis Based on the Dual-Competitive System of Manganese Hexacyanoferrate Hydrate Nanocubes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16662-16669	9.5	14
222	Artificial N fixation to NH ₃ by electrocatalytic Ru NPs at low overpotential. <i>Nanotechnology</i> , 2020 , 31, 29LT01	3.4	14
221	Triple Amplification of 3,4,9,10-Perylenetetracarboxylic Acid by Co-Based Metal-Organic Frameworks and Silver-Cysteine and Its Potential Application for Ultrasensitive Assay of Procalcitonin. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9098-9106	9.5	14
220	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
219	Dual-quenching electrochemiluminescence resonance energy transfer system from Ru-InS to Fe ₃ MoO-Au based on protect of protein bioactivity for procalcitonin detection. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111524	11.8	14
218	Enhanced amperometric immunoassay for the prostate specific antigen using Pt-Cu hierarchical trigonal bipyramid nanoframes as a label. <i>Mikrochimica Acta</i> , 2017 , 184, 423-429	5.8	14

217	Facile fabrication of an ultrasensitive sandwich-type electrochemical immunosensor for the quantitative detection of alpha fetoprotein using multifunctional mesoporous silica as platform and label for signal amplification. <i>Talanta</i> , 2014 , 129, 411-6	6.2	14
216	Aggregation-Induced Electrochemiluminescence Bioconjugates of Apoferritin-Encapsulated Iridium(III) Complexes for Biosensing Application. <i>Analytical Chemistry</i> , 2021 , 93, 1553-1560	7.8	14
215	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
214	A chemiluminescence aptasensor for thrombin detection based on aptamer-conjugated and hemin/G-quadruplex DNAzyme signal-amplified carbon fiber composite. <i>Analytica Chimica Acta</i> , 2018 , 1043, 132-141	6.6	14
213	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
212	Response of extracellular polymeric substances to the toxicity of 2,4-dichlorophenol in aerobic granular sludge system: production and interaction mechanism. <i>RSC Advances</i> , 2015 , 5, 33016-33022	3.7	13
211	Fabrication of N-GQDs and AgBiS ₂ dual-sensitized ZIFs-derived hollow ZnxCo ₃ -xO ₄ dodecahedron for sensitive photoelectrochemical aptasensing of ampicillin. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128387	8.5	13
210	Directly assembled electrochemical sensor by combining self-supported CoN nanoarray platform grown on carbon cloth with molecularly imprinted polymers for the detection of Tylosin. <i>Journal of Hazardous Materials</i> , 2020 , 398, 122778	12.8	13
209	An optionality further amplification of an sandwich-type electrochemical immunosensor based on biotin-streptavidin-biotin strategy for detection of alpha fetoprotein. <i>RSC Advances</i> , 2016 , 6, 24373-24380	3.7	13
208	Label-free electrochemiluminescent immunosensor for prostate specific antigen ultrasensitive detection based on novel luminophore Ag ₃ PO ₄ decorated GO. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 847, 113266	4.1	13
207	A biomimetic mussel-inspired photoelectrochemical biosensing chip for the sensitive detection of CD146. <i>Analyst</i> , 2015 , 140, 5019-22	5	13
206	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
205	A novel label-free electrochemical immunosensor for the detection of hepatitis B surface antigen. <i>Analytical Methods</i> , 2016 , 8, 7380-7386	3.2	13
204	Highly-branched CuO as well-ordered co-reaction accelerator for amplifying electrochemiluminescence response of gold nanoclusters and procalcitonin analysis based on protein bioactivity maintenance. <i>Biosensors and Bioelectronics</i> , 2019 , 144, 111676	11.8	12
203	Electrochemical enantioselective recognition penicillamine isomers based on chiral C-dots/MOF hybrid arrays. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 846, 113151	4.1	12
202	Construction of the FRET Pairs for the Visualization of Mitochondria Membrane Potential in Dual Emission Colors. <i>Analytical Chemistry</i> , 2019 , 91, 3704-3709	7.8	12
201	Ultrasensitive electrochemical immunosensor for squamous cell carcinoma antigen detection using lamellar montmorillonite-gold nanostructures as signal amplification. <i>Talanta</i> , 2015 , 132, 803-8	6.2	12
200	Antigen down format photoelectrochemical analysis supported by fullerene functionalized SnO. <i>Chemical Communications</i> , 2020 , 56, 7455-7458	5.8	12

199	Electrochemiluminescence behaviour of silver/ZnIn ₂ S ₄ /reduced graphene oxide composites quenched by Au@SiO ₂ nanoparticles for ultrasensitive insulin detection. <i>Biosensors and Bioelectronics</i> , 2020 , 162, 112235	11.8	12
198	Intramolecular Coreaction Accelerated Electrochemiluminescence of Polypeptide-Biomineralized Gold Nanoclusters for Targeted Detection of Biomarkers. <i>Analytical Chemistry</i> , 2020 , 92, 9179-9187	7.8	12
197	Formation of Homogeneous Epinephrine-Melanin Solutions to Fabricate Electrodes for Enhanced Photoelectrochemical Biosensing. <i>Langmuir</i> , 2018 , 34, 7744-7750	4	12
196	Assembly of Polyoxometalate-Based Composite Materials. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 301-306	3.2	12
195	The Effect of Carbon Nanotubes added into Bullfrog Collagen Hydrogel on Gentamicin Sulphate Release: In Vitro. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 890-892	3.2	12
194	Bifunctional pd-decorated polysulfide nanoparticle of Co ₉ S ₈ supported on graphene oxide: A new and efficient label-free immunosensor for amyloid β protein detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127413	8.5	12
193	Dual-Signaling Electrochemical Ratiometric Method for Competitive Immunoassay of CYFRA21-1 Based on Urchin-like FeO@PDA-Ag and NiSiO(OH)-Au Absorbed Methylene Blue Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5795-5802	9.5	12
192	Magnetic electrode-based electrochemical immunosensor using amorphous bimetallic sulfides of CoSnS as signal amplifier for the NTpro BNP detection. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 250-256	11.8	11
191	An ultrasensitive electrochemical immunosensor for the detection of CD146 based on TiO ₂ colloidal sphere laden Au/Pd nanoparticles. <i>Analyst, The</i> , 2015 , 140, 3557-64	5	11
190	Removal of basic dyes (malachite green) from aqueous medium by adsorption onto amino functionalized graphenes in batch mode. <i>Desalination and Water Treatment</i> , 2015 , 53, 818-825		11
189	A signal-off electrochemical sensing platform based on Fe ₃ S ₄ -Pd and pineal mesoporous bioactive glass for procalcitonin detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128324	8.5	11
188	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
187	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
186	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
185	Synchronously Achieving Highly Efficient Hydrogen Evolution and High-Yield Synthesis of Glucaric Acid by MOF Nanorod Arrays. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H534-H540	3.9	11
184	Magnetic electrode-based label-free electrochemical impedance spectroscopy immunosensor for sensitive detection of human malignant melanoma markers using gold nanoparticles functionalized magnetic graphene sheets as signal amplifier. <i>RSC Advances</i> , 2014 , 4, 59106-59113	3.7	11
183	Electrochemiluminescence assay of Cu by using one-step electrodeposition synthesized CdS/ZnS quantum dots. <i>Analyst, The</i> , 2017 , 142, 3272-3277	5	11
182	Enhanced electrochemiluminescence of luminol based on CuO-Au heterostructure enabled multiple-amplification strategy. <i>Biosensors and Bioelectronics</i> , 2020 , 151, 111970	11.8	11

181	Ultrasensitive label-free photoelectrochemical immunosensor for the detection of amyloid β protein based on Zn:SnO ₂ /SnS ₂ -Au nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2020 , 308, 127576	8.5	11
180	Intramolecular Photoelectrochemical System Using Tyrosine-Modified Antibody-Targeted Peptide as Electron Donor for Detection of Biomarkers. <i>Analytical Chemistry</i> , 2020 , 92, 10935-10939	7.8	11
179	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
178	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
177	An ultrasensitive sandwich-type electrochemical immunosensor for carcino embryonie antigen based on supermolecular labeling strategy. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 289-295	4.1	11
176	A Label-Free Photoelectrochemical Aptasensor Based on N-GQDs Sensitized Zn-SnS ₂ for Aflatoxin B1 Detection. <i>IEEE Sensors Journal</i> , 2019 , 19, 1633-1639	4	11
175	Electrochemiluminescence behaviour of silver/silver orthophosphate/graphene oxide quenched by Pd@Au core-shell nanoflowers for ultrasensitive detection of insulin. <i>Biosensors and Bioelectronics</i> , 2020 , 147, 111767	11.8	11
174	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
173	Label-free electrochemiluminescence immunosensor based on Ce-MOF@g-C ₃ N ₄ /Au nanocomposite for detection of N-terminal pro-B-type natriuretic peptide. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 847, 113222	4.1	10
172	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
171	Stormwater quality management in rail transportation--past, present and future. <i>Science of the Total Environment</i> , 2015 , 512-513, 353-363	10.2	10
170	Ultrasensitive photoelectrochemical immunosensor for procalcitonin detection with porous nanoarray BiVO ₄ /Cu ₂ S platform as advanced signal amplification under anodic bias. <i>Sensors and Actuators B: Chemical</i> , 2020 , 308, 127685	8.5	10
169	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
168	Near-Infrared Electrochemiluminescence of Dual-Stabilizer-Capped Au Nanoclusters for Immunoassays. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2657-2663	5.6	10
167	Rational design of bimetallic Rh _{0.6} Ru _{0.4} nanoalloys for enhanced nitrogen reduction electrocatalysis under mild conditions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 259-263	13	10
166	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
165	Photoelectrochemical detection of Cd ²⁺ based on in situ electrodeposition of CdS on ZnO nanorods. <i>Analytical Methods</i> , 2015 , 7, 5406-5411	3.2	9
164	An electrochemiluminescent immunosensor based on CdS@Be ₃ O ₄ nanocomposite electrodes for the detection of Ochratoxin A. <i>New Journal of Chemistry</i> , 2015 , 39, 4259-4264	3.6	9

163	A label-free electrochemical immunosensor with a novel signal production and amplification strategy based on three-dimensional pine-like AuCu nanodendrites. <i>RSC Advances</i> , 2015 , 5, 31262-31269	3.7	9
162	Bifunctional peptide-biomaterialized gold nanoclusters as electrochemiluminescence probe for optimizing sensing interface. <i>Sensors and Actuators B: Chemical</i> , 2020 , 318, 128278	8.5	9
161	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
160	An ultrasensitive sandwich-type electrochemical immunosensor based on MnO ₂ and palladium nanoparticles covered natural halloysite nanotubes for the detection of hepatitis B surface antigen. <i>New Journal of Chemistry</i> , 2016 , 40, 558-563	3.6	9
159	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
158	An ultrasensitive label-free photoelectrochemical sensor based on Ag ₂ O-sensitized WO ₃ /TiO ₂ acicular composite for AFB ₁ detection. <i>Analytical Methods</i> , 2019 , 11, 3890-3897	3.2	9
157	Ultrasensitive label-free immunoassay for diethylstilbestrol based on Au nanoparticles on mesoporous silica and amino-functionalized graphene. <i>Analytical Methods</i> , 2013 , 5, 5534	3.2	9
156	Self-Powered Cathodic Photoelectrochemical Aptasensor Comprising a Photocathode and a Photoanode in Microfluidic Analysis Systems. <i>Analytical Chemistry</i> , 2021 , 93, 7125-7132	7.8	9
155	A comparison of the influence of flocculent and granular structure of sludge on activated carbon: preparation, characterization and application. <i>RSC Advances</i> , 2016 , 6, 87353-87361	3.7	9
154	Hollow Polyhedral Arrays Composed of a CoO Nanocrystal Ensemble on a Honeycomb-like Carbon Hybrid for Boosting Highly Active and Stable Evolution Oxygen. <i>Inorganic Chemistry</i> , 2019 , 58, 3683-3689	5.1	9
153	A novel sandwich-type photoelectrochemical sensor for SCCA detection based on Ag ₂ S-sensitized BiOI matrix and Au@Pd shell nanoflower label for signal amplification. <i>New Journal of Chemistry</i> , 2018 , 42, 15762-15769	3.6	9
152	Production of soluble microbial products in aerobic granular sludge system under the stress of toxic 4-chlorophenol. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 3192-3200	2.6	8
151	A sensitive photoelectrochemical immunoassay based on mesoporous carbon/core-shell quantum dots as donor-acceptor light-harvesting architectures. <i>New Journal of Chemistry</i> , 2015 , 39, 731-738	3.6	8
150	A cardiac troponin I photoelectrochemical immunosensor: nitrogen-doped carbon quantum dots-bismuth oxyiodide-flower-like SnO ₂ . <i>Mikrochimica Acta</i> , 2020 , 187, 332	5.8	8
149	Novel ratiometric electrochemical sensor for no-wash detection of fluorene-9-bisphenol based on combining CoN nanoarrays with molecularly imprinted polymers. <i>Analyst, The</i> , 2020 , 145, 3320-3328	5	8
148	Label-free electrochemical immunosensors for the detection of zeranol using graphene sheets and nickel hexacyanoferrate nanocomposites. <i>Analytical Methods</i> , 2013 , 5, 4159	3.2	8
147	Corrosion inhibition and mechanism of mild steel in hydrochloric acid by ceftriaxone and amoxicillin. <i>Science China Chemistry</i> , 2011 , 54, 1529-1536	7.9	8
146	Mo-doped porous BiVO ₄ /Bi ₂ S ₃ nanoarray to enhance photoelectrochemical efficiency for quantitative detection of 17 β -estradiol. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127443	8.5	8

145	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
144	Separation of Biological Events from the Photoanode: Toward the Ferricyanide-Mediated Redox Cyclic Photoelectrochemical System of an Integrated Photoanode and Photocathode. <i>ACS Sensors</i> , 2020 , 5, 3540-3546	9.2	8
143	A self-powered photoanode-supported photoelectrochemical immunosensor for CYFRA 21-1 detection based on InO/InS/CdInS heterojunction. <i>Biosensors and Bioelectronics</i> , 2020 , 169, 112580	11.8	8
142	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
141	Electrochemiluminescence immunoassay for the N-terminal pro-B-type natriuretic peptide based on resonance energy transfer between a self-enhanced luminophore composed of silver nanocubes on gold nanoparticles and a metal-organic framework of type MIL-125. <i>Mikrochimica Acta</i> , 2019 , 186, 811	5.8	8
140	Electrochemiluminescence immunosensor of "signal-off" for β amyloid detection based on dual metal-organic frameworks. <i>Talanta</i> , 2020 , 208, 120376	6.2	8
139	A microfluidic cathodic photoelectrochemical biosensor chip for the targeted detection of cytokeratin 19 fragments 21-1. <i>Lab on A Chip</i> , 2021 , 21, 378-384	7.2	8
138	An electrochemical immunosensor based on a multiple signal amplification strategy for highly sensitive detection of prostate specific antigen. <i>Analytical Methods</i> , 2018 , 10, 4917-4925	3.2	8
137	CoFeOx(OH)y/CoOx(OH)y core/shell structure with amorphous interface as an advanced catalyst for electrocatalytic water splitting. <i>Electrochimica Acta</i> , 2020 , 341, 136038	6.7	7
136	Enzyme-free colorimetric immunoassay for procalcitonin based on MgFe2O4 sacrificial probe with the Prussian blue production. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128163	8.5	7
135	Cardiac troponin I photoelectrochemical sensor: {Mo} as electrode donor for BiS and Au co-sensitized FeOOH composite. <i>Biosensors and Bioelectronics</i> , 2020 , 157, 112157	11.8	7
134	Porous Fe δ -codoped carbon microspheres: an efficient and durable electrocatalyst for oxygen reduction reaction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2211-2217	6.8	7
133	Hydrophobic bifunctionalized hexagonal mesoporous silicas as efficient adsorbents for the removal of Orange IV. <i>RSC Advances</i> , 2014 , 4, 49783-49788	3.7	7
132	Mulberry-like gold nanospheres supported on graphene nanosheets: one-pot synthesis, characterization and photoelectrochemical property. <i>New Journal of Chemistry</i> , 2014 , 38, 3166	3.6	7
131	A photoelectrochemical immunosensor based on CdS/CdTe-cosensitized SnO as a platform for the ultrasensitive detection of amyloid β protein. <i>Analyst, The</i> , 2020 , 145, 619-625	5	7
130	Signal-off electrochemiluminescence immunosensor based on Mn-Eumelanin coordination nanoparticles quenching PtCo-CuFe2O4-reduced graphene oxide enhanced luminol. <i>Sensors and Actuators B: Chemical</i> , 2020 , 323, 128702	8.5	7
129	Coupling of nitrifying granular sludge into microbial fuel cell system for wastewater treatment: System performance, electricity production and microbial community shift. <i>Bioresource Technology</i> , 2021 , 326, 124741	11	7
128	In situ evolution of surface Co2CrO4 to CoOOH/CrOOH by electrochemical method: Toward boosting electrocatalytic water oxidation. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1096-1101	11.3	7

127	Copper-Based Metal-Organic Frameworks Loaded with Silver Nanoparticles as Electrochemical Immunosensors for Diethylstilbestrol. <i>ACS Applied Nano Materials</i> , 2019 , 2, 8043-8050	5.6	7
126	A dual-mode label-free electrochemical immunosensor for ultrasensitive detection of procalcitonin based on g-CN-NiCoS-CNTs-Ag NPs. <i>Analyst, The</i> , 2021 , 146, 3169-3176	5	7
125	Dual-signal electrochemiluminescence immunosensor for Neuron-specific enolase detection based on "dual-potential" emitter Ru(bpy) functionalized zinc-based metal-organic frameworks. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113505	11.8	7
124	Fast and sensitive fluorescent probe for ratiometric detection of hydrogen sulfide in mitochondria. <i>Analytical Methods</i> , 2019 , 11, 232-235	3.2	6
123	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
122	Electrochemical behavior of Keggin-type heteropolyanion doped composite of polyaniline and multi-walled carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2015 , 206, 335-337	6	6
121	Signal Amplification Strategy of Triple-Layered Core-Shell Au@Pd@Pt Nanoparticles for Ultrasensitive Immunoassay Detection of Squamous Cell Carcinoma Antigen. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 245-52	4	6
120	THCH as electron donor in controlled-release system for procalcitonin analysis based on Bi ₂ Sn ₂ O ₇ photoanode. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128509	8.5	6
119	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
118	Ultrasensitive immunoassay of insulin based on highly efficient electrochemiluminescence quenching of carboxyl-functionalized g-C ₃ N ₄ through coreactant dual-consumption by NiPd-DNAzyme. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 818, 168-175	4.1	6
117	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
116	Inner space- and architecture-controlled nanoframes for efficient electro-oxidation of liquid fuels. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19280-19289	13	6
115	A novel photoelectrochemical signal amplification assay for procalcitonin detection based on ZnxBi ₂ S _{3+x} sensitized NiTiO ₃ matrix. <i>Sensors and Actuators B: Chemical</i> , 2019 , 301, 127099	8.5	6
114	Ultrasensitive electrochemiluminescence immunosensor for detection of ochratoxin A based on gold nanoparticles-hybridized mesoporous carbon. <i>Analytical Methods</i> , 2014 , 6, 5766-5770	3.2	6
113	A Facile Electrochemical Immunosensor with Mesoporous Alumina for Detection of Carcinoembryonic Antigen. <i>Electroanalysis</i> , 2011 , 23, 1602-1606	3	6
112	Ultrasensitive competitive electrochemiluminescence immunosensor based on luminol-AuNPs@Mo ₂ C and upconversion nanoparticles for detection of diethylstilbestrol. <i>Microchemical Journal</i> , 2020 , 158, 105283	4.8	6
111	Electrochemical assay of ampicillin using FeN-CoN nanoarray coated with molecularly imprinted polymer. <i>Mikrochimica Acta</i> , 2020 , 187, 442	5.8	6
110	Electrochemiluminescence immunosensor based on ferrocene functionalized ZIF-8 quenching the electrochemiluminescence of Ru(bpy) ₃ ²⁺ -doped silica nanoparticles embodied N-butyl diethanolamine. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129101	8.5	6

109	Vanadium-doped NiS ₂ porous nanospheres with high selectivity and stability for the electroreduction of nitrogen to ammonia. <i>Inorganic Chemistry Frontiers</i> ,	6.8	6
108	MoSe/CdSe Heterojunction Destruction by Cation Exchange for Photoelectrochemical Immunoassays with a Controlled-Release Strategy. <i>Analytical Chemistry</i> , 2021 , 93, 10712-10718	7.8	6
107	Peptide-Based Biosensor with a Luminescent Copper-Based Metal-Organic Framework as an Electrochemiluminescence Emitter for Trypsin Assay. <i>Analytical Chemistry</i> , 2021 , 93, 9704-9710	7.8	6
106	Anchoring CuO Nanoparticles On C, N-Codoped G-C ₃ N ₄ Nanosheets from Melamine-Entrapped MOF Gel for High-Efficiency Oxygen Evolution. <i>ChemNanoMat</i> , 2019 , 5, 1170-1175	3.5	5
105	An electrochemical immunosensor for ultrasensitive detection of HBsAg based on platinum nanoparticles loaded on natural montmorillonite. <i>Analytical Methods</i> , 2015 , 7, 9150-9157	3.2	5
104	Recognition of M2 type tumor-associated macrophages with ultrasensitive and biocompatible photoelectrochemical cytosensor based on Ce doped SnO/SnS nano heterostructure. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112367	11.8	5
103	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
102	Enhanced photoelectrochemical aptasensing platform for TXNDC5 gene based on exciton energy transfer between NCQDs and TiO ₂ nanorods. <i>Scientific Reports</i> , 2016 , 6, 19202	4.9	5
101	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
100	An electrochemiluminescence sensor for bromate assay based on a new cationic polythiophene derivative. <i>Analytica Chimica Acta</i> , 2014 , 852, 69-73	6.6	5
99	Ultrasensitive Double-Channel Microfluidic Biosensor-Based Cathodic Photo-electrochemical Analysis via Signal Amplification of SOD-Au@PANI for Cardiac Troponin I Detection. <i>Analytical Chemistry</i> , 2021 , 93, 14196-14203	7.8	5
98	Molecular imprinted photoelectrochemical sensor for bisphenol A supported by flower-like AgBiS ₂ /In ₂ S ₃ matrix. <i>Sensors and Actuators B: Chemical</i> , 2021 , 330, 129387	8.5	5
97	A duple nanozyme stimulating tandem catalysis assisted multiple signal inhibition strategy for photoelectrochemical bioanalysis. <i>Sensors and Actuators B: Chemical</i> , 2021 , 334, 129608	8.5	5
96	Modulating the 0D/2D Interface of Hybrid Semiconductors for Enhanced Photoelectrochemical Performances.. <i>Small Methods</i> , 2021 , 5, e2100109	12.8	5
95	Ternary Pt@Pd@Ru nanodendrite-decorated graphene oxide for sensitive electrochemical immunoassy of CEA. <i>RSC Advances</i> , 2016 , 6, 42994-42999	3.7	5
94	Novel electrochemiluminescent platform based on gold nanoparticles functionalized Ti doped BiOBr for ultrasensitive immunosensing of NT-proBNP. <i>Sensors and Actuators B: Chemical</i> , 2018 , 277, 401-407	8.5	5
93	A dual-signal amplification photoelectrochemical immunosensor for ultrasensitive detection of CYFRA 21-1 based on the synergistic effect of SnS ₂ /SnS/Bi ₂ S ₃ and ZnCdS@NPC-ZnO. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130456	8.5	5
92	Highly selective electrochemiluminescence aptasensor coupled with mesoporous Fe ₃ O ₄ @Cu@Cu ₂ O as co-reaction accelerator for ATP assay based on target-triggered emitter release. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130581	8.5	5

91	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
90	Qualitative and quantitative spectrometric evaluation of soluble microbial products formation in aerobic granular sludge system treating nitrate wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2018 , 41, 841-850	3.7	4
89	High-efficient biosorption of dye wastewater onto aerobic granular sludge and photocatalytic regeneration of biosorbent by acid TiO ₂ hydrosol. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 27606-27613	5.1	4
88	A voltammetric immunoassay for the carcinoembryonic antigen using a self-assembled magnetic nanocomposite. <i>Mikrochimica Acta</i> , 2018 , 185, 387	5.8	4
87	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
86	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
85	Electrocatalytic N Reduction on FeS Nanoparticles Embedded in Graphene Oxide in Acid and Neutral Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50027-50036	9.5	4
84	MoS ₂ -Based Catalysts for N Electroreduction to NH ₃ - An Overview of MoS ₂ Optimization Strategies. <i>ChemistryOpen</i> , 2021 , 10, 1041-1054	2.3	4
83	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
82	Dual Intramolecular Electron Transfer for In Situ Coreactant-Embedded Electrochemiluminescence Microimaging of Membrane Protein. <i>Angewandte Chemie</i> , 2021 , 133, 199-203	3.6	4
81	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
80	Peptide-Based Electrochemiluminescence Biosensors Using Silver Nanoclusters as Signal Probes and Pd-CuO Hybrid Nanoconcaves as Coreactant Promoters for Immunoassays. <i>Analytical Chemistry</i> , 2021 , 93, 13045-13053	7.8	4
79	Interface engineering of MoS ₂ @Fe(OH) ₂ nanoarray heterostructure: Electrodeposition of MoS ₂ @Fe(OH) ₂ as N and H channels for artificial NH ₃ synthesis under mild conditions. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1374-1379	9.3	4
78	Dumbbell Plate-Shaped AIEgen-Based Luminescent MOF with High Quantum Yield as Self-Enhanced ECL Tags: Mechanism Insights and Biosensing Application.. <i>Small</i> , 2022 , e2106567	11	4
77	Comparison of soluble microbial products released from activated sludge and aerobic granular sludge systems in the presence of toxic 2,4-dichlorophenol. <i>Bioprocess and Biosystems Engineering</i> , 2017 , 40, 309-318	3.7	3
76	Ternary Pt-Co-Cu nanodendrites for ultrasensitive voltammetric determination of insulin at very low working potential. <i>Mikrochimica Acta</i> , 2017 , 184, 2031-2038	5.8	3
75	Rapid and high-efficiency removal of methylene blue onto low-cost activated sludge: Role and significance of extracellular polymeric substances. <i>Bioresource Technology Reports</i> , 2019 , 7, 100240	4.1	3
74	Application of three-dimensional flower-like nanomaterials in the fabrication of sandwich-type electrochemical immunosensors. <i>RSC Advances</i> , 2015 , 5, 88160-88165	3.7	3

73	Spectroscopic Investigation and Nanoscale Characterization of Epinephrine Autooxidation under Alkaline Conditions. <i>Langmuir</i> , 2020 , 36, 5040-5047	4	3
72	Preparation, Characterization and Adsorption Performance of Cetyl Pyridine Bromide Modified Bentonites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 42-47	3.2	3
71	Honeycomb-Structured Porous Films Prepared from Polymer Nanocomposites of Gold Nanorods. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 587-591	3.2	3
70	Meso-Tetra-(3,5-Dibromo-4-Hydroxyhydroxyphenyl) 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
69	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
68	Photoelectrochemical self-powered biosensing cathodic platform by NiO nanosheets/RGO/BiOI heterostructures for detection of glucose. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 876, 114497	4.1	3
67	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
66	Enzyme-Free Colorimetric Immunoassay for Protein Biomarker Enabled by Loading and Disassembly Behaviors of Polydopamine Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8841-8848	4.1	3
65	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
64	Label-Free Antifouling Photoelectrochemical Sensing Strategy for Detecting Breast Tumor Cells Based on Ligand-Receptor Interactions.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4479-4485	4.1	3
63	Electrochemiluminescence resonance energy transfer system fabricated by quantum state complexes for cardiac troponin I detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 336, 129733	8.5	3
62	Polyacrylic acid/polyethylene glycol hybrid antifouling interface for photoelectrochemical immunosensing of MDA-MB-231 cells using BiOBr/FeTPPCL/BiOI co-sensitized composite as matrix. <i>Sensors and Actuators B: Chemical</i> , 2021 , 328, 129081	8.5	3
61	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
60	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
59	Interface Engineering of CoS ₂ /TeO ₂ /Ti Nanocatalyst for Artificial N ₂ Fixation. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	3
58	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
57	Fluorescent component and complexation mechanism of extracellular polymeric substances during dye wastewater biotreatment by anaerobic granular sludge. <i>Royal Society Open Science</i> , 2018 , 5, 171445	3.3	2
56	Synthesis of PtPb hollow nanoparticles and their application in an electrochemical immunosensor as signal tags for detection of dimethyl phthalate. <i>RSC Advances</i> , 2015 , 5, 57346-57353	3.7	2

55	Highly sensitive photoelectrochemical neuron specific enolase analysis based on cerium and silver Co-Doped SbWO ₃ . <i>Biosensors and Bioelectronics</i> , 2022 , 203, 114047	11.8	2
54	Ultrasensitive Photochemical Immunosensor Based on Flowerlike SnO ₂ /BiOI/AgS Composites for Detection of Procalcitonin. <i>Biosensors</i> , 2021 , 11,	5.9	2
53	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
52	A procalcitonin photoelectrochemical immunosensor: NCQDs and Sb ₂ S ₃ co-sensitized hydrangea-shaped WO ₃ as a matrix through a layer-by-layer assembly. <i>New Journal of Chemistry</i> , 2020 , 44, 2452-2458	3.6	2
51	Original signal amplification assay for N-Terminal pro-brain natriuretic peptide detection based on BiMoO ₄ photosensitive matrix. <i>Analytica Chimica Acta</i> , 2020 , 1101, 58-64	6.6	2
50	A magnetic activated sludge for Cu(II) and Cd(II) removal: adsorption performance and mechanism studies. <i>New Journal of Chemistry</i> , 2019 , 43, 18062-18071	3.6	2
49	Electrochemiluminescence detection for Amyloid1-42 oligomers using silver nanoparticle decorated CuS@CoS ₂ double shelled nanoboxes as dual-quencher. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129155	8.5	2
48	A novel molecularly imprinted electrochemiluminescence sensor based on cobalt nitride nanoarray electrode for the sensitive detection of bisphenol S.. <i>RSC Advances</i> , 2021 , 11, 11011-11019	3.7	2
47	Liposome encapsulated electron donor strategy for signal-on CYFRA 21-1 photoelectrochemical analysis. <i>Mikrochimica Acta</i> , 2021 , 188, 75	5.8	2
46	[Ru(bpy)] ₃ @Ce-UiO-66/Mn:BiS Heterojunction and Its Exceptional Photoelectrochemical Aptasensing Properties for Ofloxacin Detection.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 7186-7194	4.1	2
45	Photoelectrochemical aptasensor based on LaTiO ₃ /SbS and VO ₂ for effectively signal change strategy for cancer marker detection. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113528	11.8	2
44	Dual-quenching electrochemiluminescence resonance energy transfer system from IRMOF-3 coreaction accelerator enriched nitrogen-doped GQDs to ZnO@Au for sensitive detection of procalcitonin. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130495	8.5	2
43	Competitive electrochemiluminescence aptasensor based on the Ru(II) derivative utilizing intramolecular ECL emission for E2 detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 348, 130717	8.5	2
42	A photoelectrochemical biosensor for detecting Cytokeratin-19 fragments based on CdS/Ni(OH) ₂ core-shell nanosphere composites amplified by CdSe@MoSe ₂ . <i>Sensors and Actuators B: Chemical</i> , 2022 , 360, 131643	8.5	2
41	Anaerobic granular sludge-derived activated carbon: preparation, characterization and superior dye adsorption capacity. <i>Desalination and Water Treatment</i> , 2016 , 57, 18016-18027		1
40	Label-free electrochemical immunoassay for ultrasensitive detection of norethindrone. <i>Monatshefte Für Chemie</i> , 2014 , 145, 155-160	1.4	1
39	Self-Aggregation Behavior of meso-Tetra-(4-trimethylaminophenyl)porphyrin Encapsulated in Reverse Micelles. <i>Spectroscopy Letters</i> , 2010 , 43, 275-281	1.1	1
38	Gold Nanoparticle-Attached Perovskite Cs ₃ Bi ₂ Br ₉ QDs/BiOBr Heterostructures for Photoelectrochemical Biosensing. <i>ACS Applied Nano Materials</i> ,	5.6	1

37	Copper doped terbium metal organic framework as emitter for sensitive electrochemiluminescence detection of CYFRA 21-1. <i>Talanta</i> , 2022 , 238, 123047	6.2	1
36	Bioactivity-protective electrochemiluminescence sensor using CeO ₂ /Co ₄ N heterostructures as highly effective coreaction accelerators for ultrasensitive immunodetection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 131158	8.5	1
35	Ratiometric Electrochemical Immunosensor Based on -cysteine Grafted Ferrocene for Detection of Neuron Specific Enolase. <i>Talanta</i> , 2021 , 239, 123075	6.2	1
34	Self-powered photoelectrochemical aptasensor based on MIL-68(In) derived InO hollow nanotubes and Ag doped ZnInS quantum dots for oxytetracycline detection.. <i>Talanta</i> , 2021 , 240, 123153	6.2	1
33	Sandwich-type photoelectrochemical immunosensor for procalcitonin detection based on Mn doped CdS sensitized BiWO ₄ and signal amplification of NaYF ₃ :Yb, Tm upconversion nanomaterial. <i>Analytica Chimica Acta</i> , 2021 , 1188, 339190	6.6	1
32	A photoelectrochemical aptasensor for the detection of 17 β -estradiol based on In ₂ S ₃ and CdS co-sensitized cerium doped TiO ₂ . <i>New Journal of Chemistry</i> , 2020 , 44, 346-353	3.6	1
31	Sphere-on-Tube Biomimetic Hierarchical Nanostructures Coupled with Engineered Surfaces for Enhanced Photoelectrochemical Biosensing of Cancer Cells Expressing Folate Receptors. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100421	4.6	1
30	Split-Type Electrochemical Immunoassay System Triggering Ascorbic Acid-Mediated Signal Magnification Based on a Controlled-Release Strategy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29179-29186	9.5	1
29	Rationally engineered high-performance BiVO ₄ /AgVO ₂ /SnS photoelectrodes for ultrasensitive immunosensing of CYFRA21-1 based on HRP-tyramine-triggered insoluble precipitates. <i>Mikrochimica Acta</i> , 2021 , 188, 270	5.8	1
28	Nutrient recovery in anaerobic membrane bioreactors 2020 , 283-307		1
27	High-performance ammonia fixation electrocatalyzed by ReS ₂ nanosheet array. <i>New Journal of Chemistry</i> , 2021 , 45, 11457-11460	3.6	1
26	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
25	Facile Encapsulation of Iridium(III) Complexes in Apoferritin Nanocages as Promising Electrochemiluminescence Nanodots for Immunoassays. <i>Analytical Chemistry</i> , 2021 , 93, 11329-11336	7.8	1
24	A dual signal-amplified electrochemiluminescence immunosensor based on core-shell CeO-Au@Pt nanosphere for procalcitonin detection. <i>Mikrochimica Acta</i> , 2021 , 188, 344	5.8	1
23	Microfluidic Ratiometric Photoelectrochemical Biosensor Using a Magnetic Field on a Photochromic Composite Platform: A Proof-of-Concept Study for Magnetic-Photoelectrochemical Bioanalysis. <i>Analytical Chemistry</i> , 2021 , 93, 13680-13686	7.8	1
22	Hollow performances quenching label of Au NPs@CoSnO nanoboxes-based sandwich photoelectrochemical immunosensor for sensitive CYFRA 21-1 detection. <i>Talanta</i> , 2021 , 233, 122552	6.2	1
21	No-wash point-of-care biosensing assay for rapid and sensitive detection of aflatoxin B1. <i>Talanta</i> , 2021 , 235, 122772	6.2	1
20	Interface engineering of Fe ₃ O ₄ @MoS ₂ Nanocomposites: High efficiency electrocatalytic synthesis of NH ₃ under mild conditions. <i>Chemical Engineering Journal</i> , 2022 , 437, 135417	14.7	1

19	PEGylation Improved Electrochemiluminescence Supramolecular Assembly of Iridium(III) Complexes in Apoferritin for Immunoassays Using 2D/2D MXene/TiO Hybrids as Signal Amplifiers. <i>Analytical Chemistry</i> , 2021 ,	7.8	1
18	Nanoarrays-roped in situ photoelectrochemical system for microRNA detection.. <i>Biosensors and Bioelectronics</i> , 2022 , 210, 114291	11.8	1
17	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
16	Cobalt ion doping to improve electrochemiluminescence emission of gold nanoclusters for sensitive NIR biosensing. <i>Sensors and Actuators B: Chemical</i> , 2022 , 132034	8.5	1
15	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
14	Au modified spindle-shaped cerium phosphate as an efficient co-reaction accelerator to amplify electrochemiluminescence signal of carbon quantum dots for ultrasensitive analysis of aflatoxin B1. <i>Electrochimica Acta</i> , 2022 , 407, 139912	6.7	0
13	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
12	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
11	Ratiometric electrochemical immunoassay for procalcitonin based on dual signal probes: Ag NPs and Nile blue A.. <i>Mikrochimica Acta</i> , 2022 , 189, 126	5.8	0
10	Highly effective visible-photocatalytic hydrogen evolution and simultaneous organic pollutant degradation over an urchin-like oxygen-doped MoS ₂ /ZnIn ₂ S ₄ composite. <i>Frontiers of Environmental Science and Engineering</i> , 2022 , 16, 1	5.8	0
9	Self-powered photoelectrochemical biosensor with inherent potential for charge carriers drive.. <i>Biosensors and Bioelectronics</i> , 2022 , 211, 114361	11.8	0
8	Construction of a photoelectrochemical immunosensor based on CuInS ₂ photocathode and BiVO ₄ /BiOI/Ag ₂ S photoanode and sensitive detection of NSE. <i>Biosensors and Bioelectronics</i> , 2022 , 114368	11.8	0
7	Design of MOF-Derived NiO-Carbon Nanohybrids Photocathodes Sensitized with Quantum Dots for Solar Hydrogen Production.. <i>Small</i> , 2022 , e2201815	11	0
6	Photoelectrochemical immunosensor for the sensitive detection of neuron-specific enolase based on the effect of Z-scheme WO ₃ /NiCo ₂ O ₄ nanoarrays p-n heterojunction. <i>Biosensors and Bioelectronics</i> , 2022 , 114452	11.8	0
5	Biological treatment of high strength ammonia wastewater containing 2,4-dichlorophenol in a membrane bioreactor: System performance and microbial community. <i>Bioresource Technology Reports</i> , 2019 , 7, 100233	4.1	
4	Functionalized Graphene for Biosensing Applications 2011 , 221-235		
3	Determination of Nucleic Acids Sensitized by Emulsifier OP-micelle Using Ethyl Rhodamine B as a Resonance Light-Scattering Probe. <i>Spectroscopy Letters</i> , 2007 , 40, 627-641	1.1	
2	Resource Utilization of Sludge and Its Potential Environmental Applications for Wastewater 2021 , 217-245		

- 1 Cation Decorated Ferric Oxide with a Polyhedral-like Structure for the Electrocatalytic Nitrogen Reduction Reaction. *ChemCatChem*, **2021**, 13, 4990

5.2