

Qin Wei

List of Publications by Year in Descending Order

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

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	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
575	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
574	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
573	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
572	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
571	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
570	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
569	Interface engineering of MoS ₂ @Fe(OH) nanoarray heterostructure: Electrodeposition of MoS ₂ @Fe(OH) 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
568	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
567	Dumbbell Plate-Shaped AlEgen-Based Luminescent MOF with High Quantum Yield as Self-Enhanced ECL Tags: Mechanism Insights and Biosensing Application.. <i>Small</i> , 2022 , e2106567	11	4
566	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
565	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
564	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
563	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
562	Nanoarrays-propped in situ photoelectrochemical system for microRNA detection.. <i>Biosensors and Bioelectronics</i> , 2022 , 210, 114291	11.8	1
561	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
560	Self-powered photoelectrochemical biosensor with inherent potential for charge carriers drive.. <i>Biosensors and Bioelectronics</i> , 2022 , 211, 114361	11.8	0

559	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
558	Design of MOF-Derived NiO-Carbon Nanohybrids Photocathodes Sensitized with Quantum Dots for Solar Hydrogen Production.. <i>Small</i> , 2022 , e2201815	11	0
557	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
556	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
555	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
554	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
553	Ratiometric Electrochemical Immunosensor Based on -cysteine Grafted Ferrocene for Detection of Neuron Specific Enolase. <i>Talanta</i> , 2021 , 239, 123075	6.2	1
552	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
551	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
550	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
549	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
548	Sandwich-type photoelectrochemical immunosensor for procalcitonin detection based on Mn doped CdS sensitized BiWO ₄ and signal amplification of NaYF ₄ :Yb, Tm upconversion nanomaterial. <i>Analytica Chimica Acta</i> , 2021 , 1188, 339190	6.6	1
547	Ultrasensitive Photochemical Immunosensor Based on Flowerlike SnO ₂ /BiOI/Ag ₂ S Composites for Detection of Procalcitonin. <i>Biosensors</i> , 2021 , 11,	5.9	2
546	Aggregation-Induced Electrochemiluminescence Bioconjugates of Apoferritin-Encapsulated Iridium(III) Complexes for Biosensing Application. <i>Analytical Chemistry</i> , 2021 , 93, 1553-1560	7.8	14
545	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
544	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
543	Near-Infrared Electrochemiluminescence of Dual-Stabilizer-Capped Au Nanoclusters for Immunoassays. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2657-2663	5.6	10
542	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

541	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
540	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
539	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
538	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
537	Resource Utilization of Sludge and Its Potential Environmental Applications for Wastewater 2021 , 217-245		
536	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
535	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
534	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
533	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
532	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
531	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
530	Modulating the 0D/2D Interface of Hybrid Semiconductors for Enhanced Photoelectrochemical Performances.. <i>Small Methods</i> , 2021 , 5, e2100109	12.8	5
529	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
528	In situ evolution of surface Co ₂ CrO ₄ to CoOOH/CrOOH by electrochemical method: Toward boosting electrocatalytic water oxidation. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1096-1101	11.3	7
527	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
526	Ratiometric electrochemical immunosensor for the detection of procalcitonin based on the ratios of SiO ₂ -Fc-COOH-Au and UiO-66-TB complexes. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112713	11.8	25
525	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
524	Electrochemiluminescence detection for β -amyloid ₁₋₄₂ 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

523	Electrochemiluminescence immunosensor based on the quenching effect of CuO@GO on m-CNNS for cTnl detection. <i>Analytical Biochemistry</i> , 2021 , 612, 114012	3.1	4
522	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
521	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
520	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
519	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
518	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
517	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
516	High-performance ammonia fixation electrocatalyzed by ReS ₂ nanosheet array. <i>New Journal of Chemistry</i> , 2021 , 45, 11457-11460	3.6	1
515	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
514	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
513	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
512	Liposome encapsulated electron donor strategy for signal-on CYFRA 21-1 photoelectrochemical analysis. <i>Mikrochimica Acta</i> , 2021 , 188, 75	5.8	2
511	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
510	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
509	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
508	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
507	[Ru(bpy)]@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
506	Cation Decorated Ferric Oxide with a Polyhedral-like Structure for the Electrocatalytic Nitrogen Reduction Reaction. <i>ChemCatChem</i> , 2021 , 13, 4990	5.2	

505	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
504	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
503	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
502	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
501	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
500	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
499	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
498	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
497	Photoelectrochemical aptasensor based on LaTiO/SbS and VO for effectively signal change strategy for cancer marker detection. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113528	11.8	2
496	Dual-quenching electrochemiluminescence resonance energy transfer system from IRMOF-3 coreaction accelerator enriched nitrogen-doped QQDs to ZnO@Au for sensitive detection of procalcitonin. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130495	8.5	2
495	No-wash point-of-care biosensing assay for rapid and sensitive detection of aflatoxin B1. <i>Talanta</i> , 2021 , 235, 122772	6.2	1
494	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
493	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
492	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
491	Spectroscopic Investigation and Nanoscale Characterization of Epinephrine Autooxidation under Alkaline Conditions. <i>Langmuir</i> , 2020 , 36, 5040-5047	4	3
490	A cardiac troponin I photoelectrochemical immunosensor: nitrogen-doped carbon quantum dots-bismuth oxyiodide-flower-like SnO. <i>Mikrochimica Acta</i> , 2020 , 187, 332	5.8	8
489	Antigen down format photoelectrochemical analysis supported by fullerene functionalized SnO. <i>Chemical Communications</i> , 2020 , 56, 7455-7458	5.8	12
488	Fabrication of N-GQDs and AgBiS ₂ dual-sensitized ZIFs-derived hollow Zn _x Co _{3-x} O ₄ dodecahedron for sensitive photoelectrochemical aptasensing of ampicillin. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128387	8.5	13

487	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
486	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
485	A dual-mode PCT electrochemical immunosensor with CuCoS bimetallic sulfides as enhancer. <i>Biosensors and Bioelectronics</i> , 2020 , 163, 112280	11.8	24
484	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
483	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
482	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
481	Intramolecular Coreaction Accelerated Electrochemiluminescence of Polypeptide-Biomaterialized Gold Nanoclusters for Targeted Detection of Biomarkers. <i>Analytical Chemistry</i> , 2020 , 92, 9179-9187	7.8	12
480	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
479	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
478	Artificial N fixation to NH ₃ by electrocatalytic Ru NPs at low overpotential. <i>Nanotechnology</i> , 2020 , 31, 29LT01	3.4	14
477	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
476	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
475	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
474	Electrochemiluminescence sensing platform based on functionalized poly-(styrene-co-maleic anhydride) nanocrystals and iron doped hydroxyapatite for CYFRA 21-1 immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128454	8.5	11
473	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
472	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
471	A self-powered photoelectrochemical cathodic aptasensor for the detection of 17β-estradiol based on FeOOH/InS photoanode. <i>Biosensors and Bioelectronics</i> , 2020 , 154, 112089	11.8	22
470	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

469	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
468	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
467	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
466	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
465	Enzyme-free colorimetric immunoassay for procalcitonin based on MgFe ₂ O ₄ sacrificial probe with the Prussian blue production. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128163	8.5	7
464	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
463	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
462	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
461	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
460	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
459	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
458	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
457	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
456	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
455	Ultrasensitive photoelectrochemical immunosensor for procalcitonin detection with porous nanoarray BiVO ₄ /Cu _x S platform as advanced signal amplification under anodic bias. <i>Sensors and Actuators B: Chemical</i> , 2020 , 308, 127685	8.5	10
454	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
453	A photoelectrochemical immunosensor based on CdS/CdTe-co-sensitized SnO as a platform for the ultrasensitive detection of amyloid β protein. <i>Analyst, The</i> , 2020 , 145, 619-625	5	7
452	Original signal amplification assay for N-Terminal pro-brain natriuretic peptide detection based on BiMoO photosensitive matrix. <i>Analytica Chimica Acta</i> , 2020 , 1101, 58-64	6.6	2

451	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
450	Enhanced electrochemiluminescence of luminol based on CuO-Au heterostructure enabled multiple-amplification strategy. <i>Biosensors and Bioelectronics</i> , 2020 , 151, 111970	11.8	11
449	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
448	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
447	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
446	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
445	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
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440	Signal-off electrochemiluminescence immunosensor based on Mn-Eumelanin coordination nanoparticles quenching PtCo-CuFe ₂ O ₄ -reduced graphene oxide enhanced luminol. <i>Sensors and Actuators B: Chemical</i> , 2020 , 323, 128702	8.5	7
439	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
438	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
437	Electrochemical assay of ampicillin using FeN-CoN nanoarray coated with molecularly imprinted polymer. <i>Mikrochimica Acta</i> , 2020 , 187, 442	5.8	6
436	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
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419	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
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416	Multivalent Aminosaccharide-Based Gold Nanoparticles as Narrow-Spectrum Antibiotics in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 7725-7730	9.5	20

415	Fast and sensitive fluorescent probe for ratiometric detection of hydrogen sulfide in mitochondria. <i>Analytical Methods</i> , 2019 , 11, 232-235	3.2	6
414	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
413	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
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399	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
398	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

397	A sandwich-type photoelectrochemical immunosensor for NT-pro BNP detection based on F-BiWO/AgS and GO/PDA for signal amplification. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 299-306	11.8	36
396	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
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390	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
389	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
388	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
387	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
386	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
385	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
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383	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
382	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
381	Dual-quenching electrochemiluminescence resonance energy transfer system from Ru-InS to β MoO ₃ -Au based on protect of protein bioactivity for procalcitonin detection. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111524	11.8	14
380	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

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378	Boosting electrocatalytic nitrogen fixation via energy-efficient anodic oxidation of sodium gluconate. <i>Chemical Communications</i> , 2019 , 55, 10170-10173	5.8	27
377	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
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372	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
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361	Facile Synthesis of CuO@TiO-PtCu Nanocomposites as a Signal Amplification Strategy for the Insulin Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8945-8953	9.5	33
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359	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
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354	Phosphorylated chitosan/CoFe2O4 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
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351	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
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349	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
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347	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
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344	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

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338	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , 2018 , 348, 143-156	14.7	105
337	Ultra-thin wrinkled NiOOH-NiCrO nanosheets on Ni foam: an advanced catalytic electrode for oxygen evolution reaction. <i>Chemical Communications</i> , 2018 , 54, 4987-4990	5.8	54
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335	Sandwich-type electrochemical immunoassay based on CoO@MnO ₂ -thionine and pseudo-ELISA method toward sensitive detection of alpha fetoprotein. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 179-185	11.8	51
334	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
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330	Co(OH) ₂ Nanoparticle-Encapsulating Conductive Nanowires Array: Room-Temperature Electrochemical Preparation for High-Performance Water Oxidation Electrocatalysis. <i>Advanced Materials</i> , 2018 , 30, 1705366	24	240
329	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
328	Aptamer based electrochemiluminescent thrombin assay using carbon dots anchored onto silver-decorated polydopamine nanospheres. <i>Mikrochimica Acta</i> , 2018 , 185, 85	5.8	21
327	Ultrasensitive competitive method-based electrochemiluminescence immunosensor for diethylstilbestrol detection based on Ru(bpy) ₃ as luminophor encapsulated in metal-organic frameworks UiO-67. <i>Biosensors and Bioelectronics</i> , 2018 , 110, 201-206	11.8	38
326	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

325	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
324	EDTA modified 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
323	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
322	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
321	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
320	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
319	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
318	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
317	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
316	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
315	Facile synthesis of MoS ₂ @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
314	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
313	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
312	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
311	Porous Fe ^{II} -codoped carbon microspheres: an efficient and durable electrocatalyst for oxygen reduction reaction. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2211-2217	6.8	7
310	A voltammetric immunoassay for the carcinoembryonic antigen using a self-assembled magnetic nanocomposite. <i>Mikrochimica Acta</i> , 2018 , 185, 387	5.8	4
309	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
308	A competitive-type photoelectrochemical immunosensor for aflatoxin B ₁ 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

307	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
306	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
305	Ultrasensitive photoelectrochemical immunosensor for the detection of amyloid β protein based on SnO/SnS/AgS nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 1-7	11.8	53
304	An ITO-based point-of-care colorimetric immunosensor for ochratoxin A detection. <i>Talanta</i> , 2018 , 188, 593-599	6.2	34
303	Formation of Homogeneous Epinephrine-Melanin Solutions to Fabricate Electrodes for Enhanced Photoelectrochemical Biosensing. <i>Langmuir</i> , 2018 , 34, 7744-7750	4	12
302	Guiding protein delivery into live cells using DNA-programmed membrane fusion. <i>Chemical Science</i> , 2018 , 9, 5967-5975	9.4	39
301	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
300	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
299	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
298	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
297	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
296	One-pot synthesis of Pt/Cu bimetallic nanocrystals with different structures and their enhanced electrocatalytic properties. <i>Nano Research</i> , 2018 , 11, 2612-2624	10	24
295	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
294	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
293	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
292	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
291	Ni(OH) ₂ /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
290	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

289	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
288	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
287	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
286	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
285	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
284	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
283	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
282	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
281	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
280	A novel sandwich-type photoelectrochemical sensor for SCCA detection based on Ag ₂ S-sensitized BiOI matrix and AucorePdshell nanoflower label for signal amplification. <i>New Journal of Chemistry</i> , 2018 , 42, 15762-15769	3.6	9
279	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
278	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
277	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
276	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
275	Ultrasensitive Photoelectrochemical Biosensing Platform for Detecting N-Terminal Pro-brain Natriuretic Peptide Based on SnO/SnS/mpg-CN Amplified by PbS/SiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31080-31087	9.5	27
274	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
273	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
272	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 ₂ nanosheets. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 340-346	11.8	36

271	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
270	Electrochemical immunosensor for ochratoxin A detection based on Au octahedron plasmonic colloidosomes. <i>Analytica Chimica Acta</i> , 2018 , 1032, 114-121	6.6	43
269	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
268	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
267	Electrochemical N fixation to NH under ambient conditions: MoN nanorod as a highly efficient and selective catalyst. <i>Chemical Communications</i> , 2018 , 54, 8474-8477	5.8	224
266	A bio-chemical application of N-GQDs and g-CN QDs sensitized TiO nanopillars for the quantitative detection of pcDNA3-HBV. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 456-464	11.8	50
265	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
264	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
263	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	11.8	52
262	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}	11.8	89
261	Dual-responsive electrochemical immunosensor for prostate specific antigen detection based on Au-CoS/graphene and CeO/ionic liquids doped with carboxymethyl chitosan complex. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 141-147	11.8	55
260	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
259	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
258	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
257	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
256	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
255	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
254	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

253	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
252	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
251	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
250	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
249	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
248	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
247	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
246	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
245	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
244	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
243	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
242	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
241	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
240	3D Nanostructured Palladium-Functionalized Graphene-Aerogel-Supported FeO for Enhanced Ru(bpy) ₃ -Based Electrochemiluminescent Immunosensing of Prostate Specific Antigen. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35260-35267	9.5	111
239	Nanobody-Based Apolipoprotein E Immunosensor for Point-of-Care Testing. <i>ACS Sensors</i> , 2017 , 2, 1267-1271	12.1	116
238	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
237	Electrochemiluminescence assay of Cu by using one-step electrodeposition synthesized CdS/ZnS quantum dots. <i>Analyst, The</i> , 2017 , 142, 3272-3277	5	11
236	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

235	An amorphous FeMoS nanorod array toward efficient hydrogen evolution electrocatalysis under neutral conditions. <i>Chemical Communications</i> , 2017 , 53, 9000-9003	5.8	108
234	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
233	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
232	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
231	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
230	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
229	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
228	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
227	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
226	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
225	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
224	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
223	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
222	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
221	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
220	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
219	Anaerobic granular sludge-derived activated carbon: preparation, characterization and superior dye adsorption capacity. <i>Desalination and Water Treatment</i> , 2016 , 57, 18016-18027		1
218	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

217	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
216	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
215	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
214	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
213	The role of nanomaterials in electroanalytical biosensors: A mini review. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 401-409	4.1	68
212	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
211	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
210	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
209	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
208	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
207	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
206	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
205	Label-free electrochemical immunosensor based on enhanced signal amplification between Au@Pd and CoFe ₂ O ₄ /graphene nano hybrid. <i>Scientific Reports</i> , 2016 , 6, 23391	4.9	27
204	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
203	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
202	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
201	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
200	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

199	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
198	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
197	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
196	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
195	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
194	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
193	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
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191	An optional further amplification of a 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
190	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
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185	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
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183	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
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181	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
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179	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
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162	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
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131	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
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122	A novel electrochemical immunosensor using β -cyclodextrins functionalized silver supported adamantane-modified glucose oxidase as labels for ultrasensitive detection of alpha-fetoprotein. <i>Analytica Chimica Acta</i> , 2015 , 893, 49-56	6.6	26
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117	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
116	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
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113	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
112	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
111	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
110	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

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107	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
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105	Label-free photoelectrochemical immunosensor for sensitive detection of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 13-8	11.8	67
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98	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
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94	A label-free voltammetric immunoassay based on 3D-structured rGO/MWCNT/Pd for detection of human immunoglobulin G. <i>Sensors and Actuators B: Chemical</i> , 2015 , 211, 170-176	8.5	32
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89	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
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87	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
86	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
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84	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
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71	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
70	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
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67	Electrochemical immunosensor for α -fetoprotein detection using ferrous ferric oxide and horseradish peroxidase as signal amplification labels. <i>Analytical Biochemistry</i> , 2014 , 465, 121-6	3.1	38
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44	Ultrasensitive electrochemical immunosensor for zeranol 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
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