

# Yong Zhang

## 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.

196  
papers

8,320  
citations

52  
h-index

79  
g-index

198  
ext. papers

9,598  
ext. citations

7.9  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
196	Highly sensitive photoelectrochemical neuron specific enolase analysis based on cerium and silver Co-Doped SbWO <sub>3</sub> . <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 203, 114047	11.8	2
195	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> , <b>2022</b> , 606, 510-517	9.3	19
194	Application of nanomaterials in proteomics-driven precision medicine.. <i>Theranostics</i> , <b>2022</b> , 12, 2674-2686	2.1	1
193	Recent Advances of Biochar-Based Electrochemical Sensors and Biosensors. <i>Biosensors</i> , <b>2022</b> , 12, 377	5.9	0
192	Photoelectrochemical immunosensor for the sensitive detection of neuron-specific enolase based on the effect of Z-scheme WO <sub>3</sub> /NiCo <sub>2</sub> O <sub>4</sub> nanoarrays p-n heterojunction. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 114452	11.8	0
191	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> , <b>2021</b> , 8, 2100421	4.6	1
190	In situ evolution of surface Co <sub>2</sub> CrO <sub>4</sub> to CoOOH/CrOOH by electrochemical method: Toward boosting electrocatalytic water oxidation. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1096-1101	11.3	7
189	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> , <b>2021</b> , 328, 129081	8.5	3
188	Electrochemiluminescence immunosensor based on ferrocene functionalized ZIF-8 quenching the electrochemiluminescence of Ru(bpy) <sub>3</sub> <sup>2+</sup> -doped silica nanoparticles embodied N-butyl diethanolamine. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 329, 129101	8.5	6
187	A novel molecularly imprinted electrochemiluminescence sensor based on cobalt nitride nanoarray electrode for the sensitive detection of bisphenol S.. <i>RSC Advances</i> , <b>2021</b> , 11, 11011-11019	3.7	2
186	An MnO <sub>2</sub> nanosheet@nitrogen-doped graphene aerogel enables high specific energy and high specific power for supercapacitors and Zn-air batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 5848-5856	13	3
185	Dual Intrareticular Oxidation of Mixed-Ligand Metal-Organic Frameworks for Stepwise Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3049-3053	16.4	26
184	Facile Encapsulation of Iridium(III) Complexes in Apoferritin Nanocages as Promising Electrochemiluminescence Nanodots for Immunoassays. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11329-11336	7.8	1
183	Peptide-Based Electrochemiluminescence Biosensors Using Silver Nanoclusters as Signal Probes and Pd-CuO Hybrid Nanoconcaves as Coreactant Promoters for Immunoassays. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13045-13053	7.8	4
182	A dual-signal amplification photoelectrochemical immunosensor for ultrasensitive detection of CYFRA 21-1 based on the synergistic effect of SnS <sub>2</sub> /SnS/Bi <sub>2</sub> S <sub>3</sub> and ZnCdS@NPC-ZnO. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 346, 130456	8.5	5
181	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> , <b>2021</b> , 346, 130495	8.5	2
180	No-wash point-of-care biosensing assay for rapid and sensitive detection of aflatoxin B1. <i>Talanta</i> , <b>2021</b> , 235, 122772	6.2	1

179	Rational design of bimetallic Rh <sub>0.6</sub> Ru <sub>0.4</sub> nanoalloys for enhanced nitrogen reduction electrocatalysis under mild conditions. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 259-263	13	10
178	A cardiac troponin I photoelectrochemical immunosensor: nitrogen-doped carbon quantum dots-bismuth oxyiodide-flower-like SnO. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 332	5.8	8
177	Synergy of Cobalt Iron Tetrathiomolybdate Coated on Cobalt Iron Carbonate Hydroxide Hydrate Nanowire Arrays for Overall Water Splitting. <i>ChemElectroChem</i> , <b>2020</b> , 7, 2309-2313	4.3	4
176	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> , <b>2020</b> , 398, 122778	12.8	13
175	Yolk-shell nanovesicles endow glutathione-responsive concurrent drug release and T MRI activation for cancer theranostics. <i>Biomaterials</i> , <b>2020</b> , 244, 119979	15.6	22
174	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> , <b>2020</b> , 145, 3320-3328	5	8
173	Label-free electrochemical immunosensor with palladium nanoparticles functionalized MoS <sub>2</sub> /NiCo heterostructures for sensitive procalcitonin detection. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 312, 127980	8.5	21
172	A self-powered photoelectrochemical cathodic aptasensor for the detection of 17β-estradiol based on FeOOH/InS photoanode. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 154, 112089	11.8	22
171	Label-free electrochemical immunosensor based on biocompatible nanoporous FeO and biotin-streptavidin system for sensitive detection of zearalenone. <i>Analyst, The</i> , <b>2020</b> , 145, 1368-1375	5	25
170	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 &amp; Interfaces</i> , <b>2020</b> , 12, 8006-8015	9.5	39
169	Cardiac troponin I photoelectrochemical sensor: {Mo} as electrode donor for BiS and Au co-sensitized FeOOH composite. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 157, 112157	11.8	7
168	An electrochemical aptasensor based on gold-modified MoS <sub>2</sub> /rGO nanocomposite and gold-palladium-modified Fe-MOFs for sensitive detection of lead ions. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 319, 128313	8.5	47
167	Morphology-dependent NiMoO <sub>4</sub> /carbon composites for high performance supercapacitors. <i>Inorganic Chemistry Communication</i> , <b>2020</b> , 111, 107631	3.1	40
166	A procalcitonin photoelectrochemical immunosensor: NCQDs and Sb <sub>2</sub> S <sub>3</sub> co-sensitized hydrangea-shaped WO <sub>3</sub> as a matrix through a layer-by-layer assembly. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 2452-2458	3.6	2
165	A photoelectrochemical immunosensor based on CdS/CdTe-cosensitized SnO as a platform for the ultrasensitive detection of amyloid β protein. <i>Analyst, The</i> , <b>2020</b> , 145, 619-625	5	7
164	Electrochemical assay of ampicillin using FeN-CoN nanoarray coated with molecularly imprinted polymer. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 442	5.8	6
163	Core/sheath structured ultralong MnO/PPy nanowires feature improved conductivity and stability for supercapacitor. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 559, 39-44	9.3	16
162	Nanotechnology and nanomaterial-based no-wash electrochemical biosensors: from design to application. <i>Nanoscale</i> , <b>2019</b> , 11, 19105-19118	7.7	39

161	A MoS <sub>2</sub> nanosheet-reduced graphene oxide hybrid: an efficient electrocatalyst for electrocatalytic N <sub>2</sub> reduction to NH <sub>3</sub> under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2524-2528	13	108
160	Electrochemical enantioselective recognition penicillamine isomers based on chiral C-dots/MOF hybrid arrays. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 846, 113151	4.1	12
159	Tremella-like Ni <sub>3</sub> S <sub>2</sub> /MnS with ultrathin nanosheets and abundant oxygen vacancies directly used for high speed overall water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 257, 117899	21.8	93
158	Ferritin-Based Electrochemiluminescence Nanosurface Energy Transfer System for Procalcitonin Detection Using HWRGWVC Heptapeptide for Site-Oriented Antibody Immobilization. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 7145-7152	7.8	52
157	Electrochemical aptasensor based on gold modified graphene nanocomposite with different morphologies for ultrasensitive detection of Pb <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 288, 325-331	8.5	57
156	A sandwich-type photoelectrochemical immunosensor for NT-pro BNP detection based on F-BiWO <sub>3</sub> /AgS and GO/PDA for signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 131, 299-306	11.8	36
155	Pure nitrogen-doped graphene aerogel with rich micropores yields high ORR performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 242, 1-5	3.1	17
154	Ultrasensitive photoelectrochemical immunosensor based on Cu-doped TiO <sub>2</sub> and carbon nitride for detection of carcinoembryonic antigen. <i>Carbon</i> , <b>2019</b> , 146, 276-283	10.4	21
153	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> , <b>2019</b> , 142, 111562	11.8	15
152	An electrochemiluminescence immunosensor for the N-terminal brain natriuretic peptide based on the high quenching ability of polydopamine. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 606	5.8	10
151	Dual-quenching electrochemiluminescence resonance energy transfer system from Ru-InS to BiMoO-Au based on protect of protein bioactivity for procalcitonin detection. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 142, 111524	11.8	14
150	Electrochemical aptasensor based on Au@HS-rGO and thymine-Hg <sup>2+</sup> -thymine structure for sensitive detection of mercury ion. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 848, 113308	4.1	15
149	Synchronously Achieving Highly Efficient Hydrogen Evolution and High-Yield Synthesis of Glucaric Acid by MOF Nanorod Arrays. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, H534-H540	3.9	11
148	A novel photoelectrochemical signal amplification assay for procalcitonin detection based on Zn <sub>x</sub> Bi <sub>2</sub> S <sub>3+x</sub> sensitized NiTiO <sub>3</sub> matrix. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 301, 127099	8.5	6
147	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> , <b>2019</b> , 91, 14066-14073	7.8	39
146	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> , <b>2019</b> , 58, 3683-3689	5.1	9
145	Ni(OH) <sub>2</sub> nanoarrays based molecularly imprinted polymer electrochemical sensor for sensitive detection of sulfapyridine. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 287, 551-556	8.5	25
144	Amorphous Co-doped MoO <sub>x</sub> nanospheres with a core-shell structure toward an effective oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1005-1012	13	45

143	Label-free photoelectrochemical immunosensor for amyloid $\beta$ protein detection based on SnO/CdCO/CdS synthesized by one-pot method. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 126, 23-29	11.8	20
142	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> , <b>2018</b> , 106, 14-20	11.8	53
141	Ultrasensitive immunoassay of insulin based on highly efficient electrochemiluminescence quenching of carboxyl-functionalized g-C <sub>3</sub> N <sub>4</sub> through coreactant dual-consumption by NiPd-DNAzyme. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 818, 168-175	4.1	6
140	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 143-156	14.7	105
139	Morphology control of BaCO <sub>3</sub> by template and polymer/inorganic precursor. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1585-1589	3.6	1
138	CoCO <sub>2</sub> /ZHO derived CoO nanorods array: a high-efficiency 1D electrocatalyst for alkaline oxygen evolution reaction. <i>Chemical Communications</i> , <b>2018</b> , 54, 1533-1536	5.8	77
137	In situ Formed Co(TCNQ) Metal-Organic Framework Array as a High-Efficiency Catalyst for Oxygen Evolution Reactions. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2075-2079	4.8	20
136	Aptamer based electrochemiluminescent thrombin assay using carbon dots anchored onto silver-decorated polydopamine nanospheres. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 85	5.8	21
135	Sandwich-type electrochemical immunosensor for CEA detection based on Ag/MoS <sub>2</sub> @Fe <sub>3</sub> O <sub>4</sub> and an analogous ELISA method with total internal reflection microscopy. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 266, 561-569	8.5	63
134	Label-free electrochemical immunosensor based on flower-like Ag/MoS <sub>2</sub> /rGO nanocomposites for ultrasensitive detection of carcinoembryonic antigen. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 125-132	8.5	99
133	Self-supported CoMoS <sub>4</sub> nanosheet array as an efficient catalyst for hydrogen evolution reaction at neutral pH. <i>Nano Research</i> , <b>2018</b> , 11, 2024-2033	10	120
132	Fabrication and high ORR performance of MnO nanopyramid layers with enriched oxygen vacancies. <i>Chemical Communications</i> , <b>2018</b> , 54, 9639-9642	5.8	20
131	3D Coral-Like NiS on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31330-31339	9.5	62
130	An ITO-based point-of-care colorimetric immunosensor for ochratoxin A detection. <i>Talanta</i> , <b>2018</b> , 188, 593-599	6.2	34
129	Formation of Homogeneous Epinephrine-Melanin Solutions to Fabricate Electrodes for Enhanced Photoelectrochemical Biosensing. <i>Langmuir</i> , <b>2018</b> , 34, 7744-7750	4	12
128	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> , <b>2018</b> , 257, 354-361	8.5	23
127	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> , <b>2018</b> , 54, 1425-1428	5.8	75
126	Metal oxide- and N-codoped carbon nanosheets: facile synthesis derived from MOF nanofibers and their application in oxygen evolution. <i>Chemical Communications</i> , <b>2018</b> , 54, 264-267	5.8	19

125	Ultrasensitive photoelectrochemical immunosensor for insulin detection based on dual inhibition effect of CuS-SiO <sub>2</sub> composite on CdS sensitized C-TiO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 1-9	8.5	31
124	A dual-signaling electrochemical ratiometric method for sensitive detection of carcinoembryonic antigen based on Au-Cu <sub>2</sub> S-CuS/graphene and Au-CeO <sub>2</sub> supported toluidine blue complex. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 256, 504-511	8.5	28
123	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> , <b>2018</b> , 99, 346-352	11.8	43
122	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> , <b>2018</b> , 6, 7634-7642	7.3	21
121	Enabling Electrocatalytic N <sub>2</sub> Reduction to NH <sub>3</sub> by Y <sub>2</sub> O <sub>3</sub> Nanosheet under Ambient Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 16622-16627	3.9	28
120	Dual-Mode Electrochemical Immunoassay for Insulin Based on CuS-Au as a Double Signal Indicator. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38791-38798	9.5	29
119	An electrochemical sensor based on Fe <sub>3</sub> O <sub>4</sub> @PANI nanocomposites for sensitive detection of Pb <sup>2+</sup> and Cd <sup>2+</sup> . <i>Analytical Methods</i> , <b>2018</b> , 10, 4784-4792	3.2	30
118	A photoelectrochemical sensor for highly sensitive detection of amyloid beta based on sensitization of Mn:CdSe to BiWO <sub>3</sub> /CdS. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 122, 37-42	11.8	51
117	Ultrasensitive Photoelectrochemical Biosensing Platform for Detecting N-Terminal Pro-brain Natriuretic Peptide Based on SnO/SnS/mpg-CN Amplified by PbS/SiO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31080-31087	9.5	27
116	Metal organic framework nanofibers derived Co <sub>3</sub> O <sub>4</sub> -doped carbon-nitrogen nanosheet arrays for high efficiency electrocatalytic oxygen evolution. <i>Carbon</i> , <b>2018</b> , 137, 433-441	10.4	41
115	Microhydrangeas with a high ratio of low valence MnO are capable of extremely fast degradation of organics. <i>Chemical Communications</i> , <b>2018</b> , 54, 7330-7333	5.8	16
114	Macroporous graphene capped FeO for amplified electrochemiluminescence immunosensing of carcinoembryonic antigen detection based on CeO <sub>2</sub> @TiO <sub>2</sub> . <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 842-848	11.8	89
113	Dual-responsive electrochemical immunosensor for prostate specific antigen detection based on Au-CoS/graphene and CeO <sub>2</sub> /ionic liquids doped with carboxymethyl chitosan complex. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 94, 141-147	11.8	55
112	Ultrasensitive Label-free Electrochemical Immunosensor based on Multifunctionalized Graphene Nanocomposites for the Detection of Alpha Fetoprotein. <i>Scientific Reports</i> , <b>2017</b> , 7, 42361	4.9	41
111	Photoelectrochemical determination of Hg(II) via dual signal amplification involving SPR enhancement and a folding-based DNA probe. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 1379-1387	5.8	15
110	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> , <b>2017</b> , 96, 113-120	11.8	98
109	Photoelectrochemical sensitive detection of insulin based on CdS/polydopamine co-sensitized WO <sub>3</sub> nanorod and signal amplification of carbon nanotubes@polydopamine. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 96, 345-350	11.8	52
108	Development in plasma surface diffusion techniques of Ti-6Al-4V alloy: a review. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 92, 1901-1912	3.2	6

107	Cobalt-Borate nanowire array as a high-performance catalyst for oxygen evolution reaction in near-neutral media. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 7291-7294	13	101
106	Sulfur-Doped Graphene-Based Immunological Biosensing Platform for Multianalysis of Cancer Biomarkers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37637-37644	9.5	128
105	Synthesis of Self-Supported Amorphous CoMoO <sub>4</sub> Nanowire Array for Highly Efficient Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10093-10098	8.3	78
104	3D Nanostructured Palladium-Functionalized Graphene-Aerogel-Supported FeO for Enhanced Ru(bpy)-Based Electrochemiluminescent Immunosensing of Prostate Specific Antigen. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35260-35267	9.5	111
103	Sulfur Incorporated CoFe <sub>2</sub> O <sub>4</sub> /Multiwalled Carbon Nanotubes toward Enhanced Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 843-850	6.7	26
102	Coassembly and high ORR performance of monodisperse Pt nanocrystals with a mesopore-rich nitrogen-doped graphene aerogel. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 17544-17548	13	25
101	A Compatible Sensitivity Enhancement Strategy for Electrochemiluminescence Immunosensors Based on the Biomimetic Melanin-Like Deposition. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 13049-13053	7.8	50
100	Visible-light driven Photoelectrochemical Immunosensor Based on SnS@mpg-CN for Detection of Prostate Specific Antigen. <i>Scientific Reports</i> , <b>2017</b> , 7, 4629	4.9	17
99	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> , <b>2017</b> , 89, 1020-1025	11.8	88
98	Facile synthesis of cuprous oxide nanowires decorated graphene oxide nanosheets nanocomposites and its application in label-free electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 745-751	11.8	58
97	Photoelectrochemical Immunosensor for Detection of Carcinoembryonic Antigen Based on 2D TiO <sub>2</sub> Nanosheets and Carboxylated Graphitic Carbon Nitride. <i>Scientific Reports</i> , <b>2016</b> , 6, 27385	4.9	34
96	A Novel Controlled Release Immunosensor based on Benzimidazole Functionalized SiO <sub>2</sub> and Cyclodextrin Functionalized Gold. <i>Scientific Reports</i> , <b>2016</b> , 6, 19797	4.9	15
95	The role of nanomaterials in electroanalytical biosensors: A mini review. <i>Journal of Electroanalytical Chemistry</i> , <b>2016</b> , 781, 401-409	4.1	68
94	Visible light photoelectrochemical aptasensor for adenosine detection based on CdS/PPy/g-C <sub>3</sub> N <sub>4</sub> nanocomposites. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 439-445	11.8	86
93	Visible-light driven photoelectrochemical immunosensor for insulin detection based on MWCNTs@SnS <sub>2</sub> @CdS nanocomposites. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 86, 301-307	11.8	41
92	Enhanced photoelectrochemical aptasensing platform for TXNDC5 gene based on exciton energy transfer between NCQDs and TiO <sub>2</sub> nanorods. <i>Scientific Reports</i> , <b>2016</b> , 6, 19202	4.9	5
91	Electrogenerated Chemiluminescence Behavior of Au nanoparticles-hybridized Pb (II) metal-organic framework and its application in selective sensing hexavalent chromium. <i>Scientific Reports</i> , <b>2016</b> , 6, 22059	4.9	6
90	Label-free electrochemical immunosensor based on enhanced signal amplification between Au@Pd and CoFe <sub>2</sub> O <sub>4</sub> /graphene nanohybrid. <i>Scientific Reports</i> , <b>2016</b> , 6, 23391	4.9	27

89	Sensitive Electrochemical Immunosensor for Detection of Nuclear Matrix Protein-22 based on NH <sub>2</sub> -SAPO-34 Supported Pd/Co Nanoparticles. <i>Scientific Reports</i> , <b>2016</b> , 6, 24551	4.9	9
88	Preparation of preferentially exposed poison-resistant Pt(111) nanoplates with a nitrogen-doped graphene aerogel. <i>Chemical Communications</i> , <b>2016</b> , 52, 13815-13818	5.8	17
87	Highly selective fluorescent chemosensor for detection of Fe(3+) based on Fe <sub>3</sub> O <sub>4</sub> @ZnO. <i>Scientific Reports</i> , <b>2016</b> , 6, 23558	4.9	53
86	Enhanced photoelectrochemical cytosensing of fibroblast-like synoviocyte cells based on visible light-activated ox-GQDs and carboxylated g-CN sensitized TiO nanorods. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 4612-4619	7.3	13
85	Simple synthesis of silver nanoparticles functionalized cuprous oxide nanowires nanocomposites and its application in electrochemical immunosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 236, 241-248	8.5	27
84	Plasmon enhanced photoelectrochemical sensing of mercury (II) ions in human serum based on Au@Ag nanorods modified TiO <sub>2</sub> nanosheets film. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 866-73	11.8	52
83	Disposable competitive-type immunoassay for determination of aflatoxin B1 via detection of copper ions released from Cu-apatite. <i>Talanta</i> , <b>2016</b> , 147, 556-60	6.2	19
82	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> , <b>2016</b> , 82, 9-13	11.8	39
81	Sandwich-type electrochemical immunosensor for the detection of AFP based on Pd octahedral and APTES-M-CeO <sub>2</sub> NPs as signal labels. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 482-7	11.8	58
80	Electrochemiluminescent immunosensing of prostate-specific antigen based on silver nanoparticles-doped Pb (II) metal-organic framework. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 79, 379-85	11.8	85
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77	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> , <b>2016</b> , 77, 936-41	11.8	31
76	A photoelectrochemical biosensor for fibroblast-like synoviocyte cell using visible light-activated NCQDs sensitized-ZnO/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> heterojunction. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 77, 330-8	11.8	32
75	Structurally Well-Defined Au@Cu <sub>2</sub> -xS Core-Shell Nanocrystals for Improved Cancer Treatment Based on Enhanced Photothermal Efficiency. <i>Advanced Materials</i> , <b>2016</b> , 28, 3094-101	24	178
74	A CeO <sub>2</sub> -matrical enhancing ECL sensing platform based on the BiS-labeled inverted quenching mechanism for PSA detection. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2963-2971	7.3	18
73	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> , <b>2016</b> , 80, 640-646	11.8	45
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70	Ultrasensitive photoelectrochemical aptasensing of miR-155 using efficient and stable CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> quantum dots sensitized ZnO nanosheets as light harvester. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 85, 142-150	11.8	31
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62	Anatase TiO <sub>2</sub> based photoelectrochemical sensor for the sensitive determination of dopamine under visible light irradiation. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1483-1487	3.6	43
61	An ultrasensitive electrochemical immunosensor for determination of estradiol using coralloid Cu <sub>2</sub> S nanostructures as labels. <i>RSC Advances</i> , <b>2015</b> , 5, 6512-6517	3.7	15
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50	Evaluation of microstructure and wear properties of Ti-6Al-4V alloy plasma carbonized at different temperatures. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2015</b> , 30, 631-638	1	4
49	A biomimetic mussel-inspired photoelectrochemical biosensing chip for the sensitive detection of CD146. <i>Analyst, The</i> , <b>2015</b> , 140, 5019-22	5	13
48	An ultrasensitive squamous cell carcinoma antigen biosensing platform utilizing double-antibody single-channel amplification strategy. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 72, 156-9	11.8	24
47	Label-free immunosensor based on Au@Ag <sub>2</sub> S nanoparticles/magnetic chitosan matrix for sensitive determination of ractopamine. <i>Journal of Electroanalytical Chemistry</i> , <b>2015</b> , 741, 14-19	4.1	25
46	High-throughput RNAi screening of human kinases identifies predictors of clinical outcome in colorectal cancer patients treated with oxaliplatin. <i>Oncotarget</i> , <b>2015</b> , 6, 16774-85	3.3	7
45	Determination of methyl parathion by a molecularly imprinted sensor based on nitrogen doped graphene sheets. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 366-371	6.7	82
44	Ultrasensitive non-mediator electrochemical immunosensors using Au/Ag/Au core/double shell nanoparticles as enzyme-mimetic labels. <i>Talanta</i> , <b>2014</b> , 124, 60-6	6.2	38
43	Ultrasensitive electrochemical immunosensors for multiplexed determination using mesoporous platinum nanoparticles as nonenzymatic labels. <i>Analytica Chimica Acta</i> , <b>2014</b> , 807, 44-50	6.6	54
42	Sensitive Electrochemical Sensor for Simultaneous Determination of Dopamine, Ascorbic Acid, and Uric Acid Enhanced by Amino-group Functionalized Mesoporous Fe <sub>3</sub> O <sub>4</sub> @Graphene Sheets. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 244-249	6.7	101
41	Sensitive determination of protein using terbium-metalloporphyrin as a fluorescence probe in AOT microemulsion. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 199, 67-70	6	5
40	Label-free immunosensor based on Pd nanoplates for amperometric immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 53, 305-9	11.8	85
39	Cathodic electrochemiluminescence immunosensor based on nanocomposites of semiconductor carboxylated g-C <sub>3</sub> N <sub>4</sub> and graphene for the ultrasensitive detection of squamous cell carcinoma antigen. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 330-6	11.8	134
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37	Nanosheet Au/Co <sub>3</sub> O <sub>4</sub> -based ultrasensitive nonenzymatic immunosensor for melanoma adhesion molecule antigen. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 58, 345-50	11.8	43
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35	A novel multi-amplification photoelectrochemical immunoassay based on copper(II) enhanced polythiophene sensitized graphitic carbon nitride nanosheet. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 62, 315-9	11.8	32
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33	A sandwich-type immunosensor using Pd-Pt nanocrystals as labels for sensitive detection of human tissue polypeptide antigen. <i>Nanotechnology</i> , <b>2014</b> , 25, 055102	3.4	16
32	Label-free electrochemical immunoassay for ultrasensitive detection of norethindrone. <i>Monatshefte für Chemie</i> , <b>2014</b> , 145, 155-160	1.4	1
31	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> , <b>2013</b> , 97, 105-111	6.7	40
30	An ultrasensitive enzyme-free electrochemical immunosensor for CA125 using Au@Pd core-shell nanoparticles as labels and platforms for signal amplification. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4052-4058	7.3	46
29	Ultrasensitive electrochemiluminescence immunosensor based on Ru(bpy) <sub>3</sub> <sup>2+</sup> and Ag nanoparticles doped SBA-15 for detection of cancer antigen 15-3. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 188, 462-468	8.5	32
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24	Ultrasensitive electrochemical immunoassay for squamous cell carcinoma antigen using dumbbell-like Pt-Fe <sub>3</sub> O <sub>4</sub> nanoparticles as signal amplification. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 46, 91-6	11.8	55
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15	Triple signal amplification of graphene film, polybead carried gold nanoparticles as tracing tag and silver deposition for ultrasensitive electrochemical immunosensing. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3662-3668	7.8	212
14	Ultrasensitive multiplexed immunoassay with electrochemical stripping analysis of silver nanoparticles catalytically deposited by gold nanoparticles and enzymatic reaction. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 2726-32	7.8	197
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9	An amperometric immunosensor for separation-free immunoassay of CA125 based on its covalent immobilization coupled with thionine on carbon nanofiber. <i>Journal of Immunological Methods</i> , <b>2007</b> , 322, 12-9	2.5	85
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2	Determination of antimony(III) in environmental water samples in microemulsion system by the fluorescence quenching method. <i>Talanta</i> , <b>2002</b> , 58, 419-26	6.2	15
1	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