

Yong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

198
papers

10,657
citations

19608

61
h-index

45213

90
g-index

198
all docs

198
docs citations

198
times ranked

10950
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen doping effects on the structure of graphene. <i>Applied Surface Science</i> , 2011, 257, 9193-9198.	3.1	476
2	Structurally Well-Defined Au@Cu ₂ S Core-Shell Nanocrystals for Improved Cancer Treatment Based on Enhanced Photothermal Efficiency. <i>Advanced Materials</i> , 2016, 28, 3094-3101.	11.1	228
3	Triple Signal Amplification of Graphene Film, Polybead Carried Gold Nanoparticles as Tracing Tag and Silver Deposition for Ultrasensitive Electrochemical Immunosensing. <i>Analytical Chemistry</i> , 2012, 84, 3662-3668.	3.2	225
4	Ultrasensitive Multiplexed Immunoassay with Electrochemical Stripping Analysis of Silver Nanoparticles Catalytically Deposited by Gold Nanoparticles and Enzymatic Reaction. <i>Analytical Chemistry</i> , 2011, 83, 2726-2732.	3.2	215
5	Label-free immunosensor for the detection of kanamycin using Ag@Fe ₃ O ₄ nanoparticles and thionine mixed graphene sheet. <i>Biosensors and Bioelectronics</i> , 2013, 48, 224-229.	5.3	181
6	Streptavidin-Functionalized Silver Nanoparticle-Enriched Carbon Nanotube Tag for Ultrasensitive Multiplexed Detection of Tumor Markers. <i>Advanced Functional Materials</i> , 2011, 21, 2938-2943.	7.8	176
7	A disposable electrochemical immunosensor for flow injection immunoassay of carcinoembryonic antigen. <i>Biosensors and Bioelectronics</i> , 2006, 22, 102-108.	5.3	169
8	Cathodic electrochemiluminescence immunosensor based on nanocomposites of semiconductor carboxylated g-C ₃ N ₄ and graphene for the ultrasensitive detection of squamous cell carcinoma antigen. <i>Biosensors and Bioelectronics</i> , 2014, 55, 330-336.	5.3	158
9	Tremella-like Ni ₃ S ₂ /MnS with ultrathin nanosheets and abundant oxygen vacancies directly used for high speed overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117899.	10.8	157
10	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.	5.8	147
11	A critical review on membrane hybrid system for nutrient recovery from wastewater. <i>Chemical Engineering Journal</i> , 2018, 348, 143-156.	6.6	145
12	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.	5.2	145
13	Sulfur-Doped Graphene-Based Immunological Biosensing Platform for Multianalysis of Cancer Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37637-37644.	4.0	144
14	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.	4.0	135
15	A silver-palladium alloy nanoparticle-based electrochemical biosensor for simultaneous detection of ractopamine, clenbuterol and salbutamol. <i>Biosensors and Bioelectronics</i> , 2013, 49, 14-19.	5.3	134
16	3D Nanostructured Palladium-Functionalized Graphene-Aerogel-Supported Fe ₃ O ₄ for Enhanced Ru(bpy) ₃ ²⁺ -Based Electrochemiluminescent Immunosensing of Prostate Specific Antigen. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35260-35267.	4.0	130
17	Sensitive Electrochemical Sensor for Simultaneous Determination of Dopamine, Ascorbic Acid, and Uric Acid Enhanced by Amino-group Functionalized Mesoporous Fe ₃ O ₄ @Graphene Sheets. <i>Electrochimica Acta</i> , 2014, 116, 244-249.	2.6	127
18	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.	5.2	120

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19	Flow-injection chemiluminescent immunoassay for α -fetoprotein based on epoxysilane modified glass microbeads. <i>Journal of Immunological Methods</i> , 2006, 312, 61-67.	0.6	116
20	A Disposable Multianalyte Electrochemical Immunosensor Array for Automated Simultaneous Determination of Tumor Markers. <i>Clinical Chemistry</i> , 2007, 53, 1495-1502.	1.5	111
21	Synthesis of Au@Pd core-shell nanoparticles with controllable size and their application in surface-enhanced Raman spectroscopy. <i>Chemical Physics Letters</i> , 2005, 408, 354-359.	1.2	110
22	A novel ECL biosensor for the detection of concanavalin A based on glucose functionalized NiCo ₂ S ₄ nanoparticles-grown on carboxylic graphene as quenching probe. <i>Biosensors and Bioelectronics</i> , 2017, 96, 113-120.	5.3	107
23	Macroporous graphene capped Fe ₃ O ₄ for amplified electrochemiluminescence immunosensing of carcinoembryonic antigen detection based on CeO ₂ @TiO ₂ . <i>Biosensors and Bioelectronics</i> , 2017, 91, 842-848.	5.3	103
24	Label-free electrochemical immunosensor for prostate-specific antigen based on silver hybridized mesoporous silica nanoparticles. <i>Analytical Biochemistry</i> , 2013, 434, 123-127.	1.1	100
25	A sensitive electrochemiluminescence immunosensor based on Ru(bpy) ₃ ²⁺ in 3D CuNi oxalate as luminophores and graphene oxide-polyethylenimine as released Ru(bpy) ₃ ²⁺ initiator. <i>Biosensors and Bioelectronics</i> , 2017, 89, 1020-1025.	5.3	100
26	Co ₂ O ₄ ·2H ₂ O derived Co ₃ O ₄ nanorods array: a high-efficiency 1D electrocatalyst for alkaline oxygen evolution reaction. <i>Chemical Communications</i> , 2018, 54, 1533-1536.	2.2	99
27	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.	4.0	99
28	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.	3.2	98
29	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> , 2007, 322, 12-19.	0.6	97
30	Label-Free Electrochemiluminescent Immunosensor for Detection of Carcinoembryonic Antigen Based on Nanocomposites of GO/MWCNTs-COOH/Au@CeO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19260-19267.	4.0	97
31	Electrochemiluminescent immunosensing of prostate-specific antigen based on silver nanoparticles-doped Pb(II) metal-organic framework. <i>Biosensors and Bioelectronics</i> , 2016, 79, 379-385.	5.3	97
32	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.	5.3	96
33	Determination of methyl parathion by a molecularly imprinted sensor based on nitrogen doped graphene sheets. <i>Electrochimica Acta</i> , 2014, 116, 366-371.	2.6	94
34	Label-free immunosensor based on Pd nanoplates for amperometric immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2014, 53, 305-309.	5.3	90
35	The role of nanomaterials in electroanalytical biosensors: A mini review. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 401-409.	1.9	88
36	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.	4.0	88

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37	<i>In situ</i> 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.	2.2	88
38	Sensitive Insulin Detection based on Electrogenerated Chemiluminescence Resonance Energy Transfer between Ru(bpy) ₃ ²⁺ and Au Nanoparticle-Doped β -Cyclodextrin-Pb (II) Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10121-10127.	4.0	87
39	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.	5.0	86
40	Morphology-dependent NiMoO ₄ /carbon composites for high performance supercapacitors. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107631.	1.8	84
41	Electrochemical stripping analysis of nanogold label-induced silver deposition for ultrasensitive multiplexed detection of tumor markers. <i>Analytica Chimica Acta</i> , 2012, 721, 1-6.	2.6	82
42	Dual Intrareticular Oxidation of Mixed-Ligand Metal-Organic Frameworks for Stepwise Electrochemiluminescence. <i>Journal of the American Chemical Society</i> , 2021, 143, 3049-3053.	6.6	81
43	3D Coral-Like Ni ₃ S ₂ on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31330-31339.	4.0	80
44	Graphene-Based Optical and Electrochemical Biosensors: A Review. <i>Analytical Letters</i> , 2013, 46, 1-17.	1.0	76
45	Ferritin-Based Electrochemiluminescence Nanosurface Energy Transfer System for Procalcitonin Detection Using HWRGWVC Heptapeptide for Site-Oriented Antibody Immobilization. <i>Analytical Chemistry</i> , 2019, 91, 7145-7152.	3.2	76
46	A novel label-free photoelectrochemical sensor based on N,S-GQDs and CdS co-sensitized hierarchical Zn ₂ SnO ₄ cube for detection of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2018, 106, 14-20.	5.3	75
47	Ultrasensitive electrochemical immunosensor for carbohydrate antigen 72-4 based on dual signal amplification strategy of nanoporous gold and polyaniline-Au asymmetric multicomponent nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 64, 51-56.	5.3	73
48	Synthesis and Application of CeO ₂ /SnS ₂ Heterostructures as a Highly Efficient Coreaction Accelerator in the Luminol-Dissolved O ₂ System for Ultrasensitive Biomarkers Immunoassay. <i>Analytical Chemistry</i> , 2019, 91, 14066-14073.	3.2	71
49	Electrochemical aptasensor based on gold modified graphene nanocomposite with different morphologies for ultrasensitive detection of Pb ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 325-331.	4.0	71
50	Disposable immunosensor array for ultrasensitive detection of tumor markers using glucose oxidase-functionalized silica nanosphere tags. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3782-3787.	5.3	70
51	Dual-responsive electrochemical immunosensor for prostate specific antigen detection based on Au-CoS/graphene and CeO ₂ /ionic liquids doped with carboxymethyl chitosan complex. <i>Biosensors and Bioelectronics</i> , 2017, 94, 141-147.	5.3	70
52	Chemiluminescent immunosensor for CA19-9 based on antigen immobilization on a cross-linked chitosan membrane. <i>Journal of Immunological Methods</i> , 2004, 291, 165-174.	0.6	69
53	Photoelectrochemical sensitive detection of insulin based on CdS/polydopamine co-sensitized WO ₃ nanorod and signal amplification of carbon nanotubes@polydopamine. <i>Biosensors and Bioelectronics</i> , 2017, 96, 345-350.	5.3	69
54	A photoelectrochemical sensor for highly sensitive detection of amyloid beta based on sensitization of Mn:CdSe to Bi ₂ WO ₆ /CdS. <i>Biosensors and Bioelectronics</i> , 2018, 122, 37-42.	5.3	67

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55	Ultrasensitive electrochemical immunosensors for multiplexed determination using mesoporous platinum nanoparticles as nonenzymatic labels. <i>Analytica Chimica Acta</i> , 2014, 807, 44-50.	2.6	66
56	BBS4 and BBS5 show functional redundancy in the BBSome to regulate the degradative sorting of ciliary sensory receptors. <i>Scientific Reports</i> , 2015, 5, 11855.	1.6	65
57	Sandwich-type electrochemical immunosensor for the detection of AFP based on Pd octahedral and APTES-M-CeO ₂ -GS as signal labels. <i>Biosensors and Bioelectronics</i> , 2016, 79, 482-487.	5.3	65
58	Quench-Type Electrochemiluminescence Immunosensor Based on Resonance Energy Transfer from Carbon Nanotubes and Au-Nanoparticles-Enhanced $C_{30}N_{4}$ to CuO@Polydopamine for Procalcitonin Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8006-8015.	4.0	65
59	Amorphous Co-doped MoO _x nanospheres with a core-shell structure toward an effective oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1005-1012.	5.2	64
60	Corallite-like Magnetic Fe ₃ O ₄ @MnO ₂ @Pt Nanocomposites as Multiple Signal Amplifiers for the Detection of Carcinoembryonic Antigen. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18786-18793.	4.0	63
61	Highly selective fluorescent chemosensor for detection of Fe ³⁺ based on Fe ₃ O ₄ @ZnO. <i>Scientific Reports</i> , 2016, 6, 23558.	1.6	63
62	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.	5.3	63
63	Development of an Immunochromatographic Strip Test for the Rapid Detection of Zearalenone in Corn. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 11116-11121.	2.4	61
64	Ultrasensitive electrochemical immunoassay for squamous cell carcinoma antigen using dumbbell-like Pt@Fe ₃ O ₄ nanoparticles as signal amplification. <i>Biosensors and Bioelectronics</i> , 2013, 46, 91-96.	5.3	60
65	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, 866-873.	5.3	60
66	Ultrasensitive electrochemical aptasensor for the detection of thrombin based on dual signal amplification strategy of Au@GS and DNA-CoPd NPs conjugates. <i>Biosensors and Bioelectronics</i> , 2016, 80, 640-646.	5.3	57
67	Ni(OH) ₂ /NGQDs-based electrochemiluminescence immunosensor for prostate specific antigen detection by coupling resonance energy transfer with Fe ₃ O ₄ @MnO ₂ composites. <i>Biosensors and Bioelectronics</i> , 2018, 99, 346-352.	5.3	57
68	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.	5.4	56
69	A signal-off sandwich photoelectrochemical immunosensor using TiO ₂ coupled with CdS as the photoactive matrix and copper (II) ion as inhibitor. <i>Biosensors and Bioelectronics</i> , 2015, 65, 97-102.	5.3	55
70	A Compatible Sensitivity Enhancement Strategy for Electrochemiluminescence Immunosensors Based on the Biomimetic Melanin-Like Deposition. <i>Analytical Chemistry</i> , 2017, 89, 13049-13053.	3.2	55
71	Nanotechnology and nanomaterial-based no-wash electrochemical biosensors: from design to application. <i>Nanoscale</i> , 2019, 11, 19105-19118.	2.8	54
72	A sandwich-type photoelectrochemical immunosensor for NT-pro BNP detection based on F-Bi ₂ WO ₆ /Ag ₂ S and GO/PDA for signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 131, 299-306.	5.3	53

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73	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> , 2013, 1, 4052.	2.9	51
74	Anatase TiO ₂ based photoelectrochemical sensor for the sensitive determination of dopamine under visible light irradiation. <i>New Journal of Chemistry</i> , 2015, 39, 1483-1487.	1.4	51
75	Quenched electrochemiluminescence of Ag nanoparticles functionalized g-C ₃ N ₄ by ferrocene for highly sensitive immunosensing. <i>Analytica Chimica Acta</i> , 2015, 854, 40-46.	2.6	51
76	Visible-light driven photoelectrochemical immunosensor for insulin detection based on MWCNTs@SnS ₂ @CdS nanocomposites. <i>Biosensors and Bioelectronics</i> , 2016, 86, 301-307.	5.3	50
77	Label-free electrochemical immunosensor based on biocompatible nanoporous Fe ₃ O ₄ and biotin-streptavidin system for sensitive detection of zearalenone. <i>Analyst</i> , 2020, 145, 1368-1375.	1.7	50
78	Nanosheet Au/Co ₃ O ₄ -based ultrasensitive nonenzymatic immunosensor for melanoma adhesion molecule antigen. <i>Biosensors and Bioelectronics</i> , 2014, 58, 345-350.	5.3	49
79	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.	5.3	48
80	Ultrasensitive Label-free Electrochemical Immunosensor based on Multifunctionalized Graphene Nanocomposites for the Detection of Alpha Fetoprotein. <i>Scientific Reports</i> , 2017, 7, 42361.	1.6	48
81	Dual-Mode Electrochemical Immunoassay for Insulin Based on Cu ₇ S ₄ @Au as a Double Signal Indicator. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38791-38798.	4.0	46
82	Ultrasensitive non-mediator electrochemical immunosensors using Au/Ag/Au core/double shell nanoparticles as enzyme-mimetic labels. <i>Talanta</i> , 2014, 124, 60-66.	2.9	45
83	Ultrasensitive photoelectrochemical aptasensing of miR-155 using efficient and stable CH ₃ NH ₃ PbI ₃ quantum dots sensitized ZnO nanosheets as light harvester. <i>Biosensors and Bioelectronics</i> , 2016, 85, 142-150.	5.3	44
84	Ultrasensitive non-enzymatic and non-mediator electrochemical biosensor using nitrogen-doped graphene sheets for signal amplification and nanoporous alloy as carrier. <i>Electrochimica Acta</i> , 2013, 97, 105-111.	2.6	43
85	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, 72-79.	2.6	43
86	Electrochemical immunosensor for α -fetoprotein detection using ferroferric oxide and horseradish peroxidase as signal amplification labels. <i>Analytical Biochemistry</i> , 2014, 465, 121-126.	1.1	43
87	A self-powered photoelectrochemical cathodic aptasensor for the detection of 17 β -estradiol based on FeOOH/In ₂ S ₃ photoanode. <i>Biosensors and Bioelectronics</i> , 2020, 154, 112089.	5.3	43
88	A label-free electrochemiluminescence immunosensor based on KNbO ₃ @Au nanoparticles@Bi ₂ S ₃ for the detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2015, 74, 104-112.	5.3	42
89	Ultrasensitive immunoassay for CA125 detection using acid site compound as signal and enhancer. <i>Talanta</i> , 2015, 144, 535-541.	2.9	42
90	Electrochemical DNA probe for Hg ²⁺ detection based on a triple-helix DNA and Multistage Signal Amplification Strategy. <i>Biosensors and Bioelectronics</i> , 2016, 86, 907-912.	5.3	42

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91	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.	1.3	42
92	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.	1.6	41
93	An ITO-based point-of-care colorimetric immunosensor for ochratoxin A detection. <i>Talanta</i> , 2018, 188, 593-599.	2.9	41
94	Nanobody-Based Electrochemical Immunoassay for Ultrasensitive Determination of Apolipoprotein-A1 Using Silver Nanoparticles Loaded Nanohydroxyapatite as Label. <i>Analytical Chemistry</i> , 2015, 87, 11209-11214.	3.2	40
95	A photoelectrochemical biosensor for fibroblast-like synoviocyte cell using visible light-activated NCQDs sensitized-ZnO/CH ₃ NH ₃ Pbl ₃ heterojunction. <i>Biosensors and Bioelectronics</i> , 2016, 77, 330-338.	5.3	40
96	Ultrasensitive Photoelectrochemical Biosensing Platform for Detecting N-Terminal Pro-brain Natriuretic Peptide Based on SnO ₂ /SnS ₂ /mpg-C ₃ N ₄ Amplified by PbS/SiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31080-31087.	4.0	40
97	Yolk-shell nanovesicles endow glutathione-responsive concurrent drug release and T1 MRI activation for cancer theranostics. <i>Biomaterials</i> , 2020, 244, 119979.	5.7	40
98	Construction of label-free electrochemical immunosensor on mesoporous carbon nanospheres for breast cancer susceptibility gene. <i>Analytica Chimica Acta</i> , 2013, 770, 62-67.	2.6	39
99	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.	5.3	39
100	Coassembly and high ORR performance of monodisperse Pt nanocrystals with a mesopore-rich nitrogen-doped graphene aerogel. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17544-17548.	5.2	39
101	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.	1.8	39
102	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.	4.0	38
103	A generalized in situ electrodeposition of Zn doped CdS-based photoelectrochemical strategy for the detection of two metal ions on the same sensing platform. <i>Biosensors and Bioelectronics</i> , 2016, 77, 936-941.	5.3	37
104	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.	4.0	37
105	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.	4.0	37
106	Ni(OH) ₂ nanoarrays based molecularly imprinted polymer electrochemical sensor for sensitive detection of sulfapyridine. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 551-556.	4.0	37
107	Ultrasensitive electrochemiluminescence immunosensor based on Ru(bpy) ₃ ²⁺ and Ag nanoparticles doped SBA-15 for detection of cancer antigen 15-3. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 462-468.	4.0	36
108	Nanoporous PtCo-based ultrasensitive enzyme-free immunosensor for zeranoldetection. <i>Biosensors and Bioelectronics</i> , 2013, 42, 367-372.	5.3	36

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109	Electrochemiluminescence immunosensing strategy based on the use of Au@Ag nanorods as a peroxidase mimic and NH ₄ CoPO ₄ as a supercapacitive supporter: Application to the determination of carcinoembryonic antigen. <i>Mikrochimica Acta</i> , 2015, 182, 1421-1429.	2.5	36
110	Sulfur Incorporated CoFe ₂ O ₄ /Multiwalled Carbon Nanotubes toward Enhanced Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , 2017, 247, 843-850.	2.6	36
111	A label-free electrochemiluminescence immunosensor based on EuPO ₄ nanowire for the ultrasensitive detection of Prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2016, 80, 352-358.	5.3	35
112	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.	4.0	35
113	A novel immunosensor based on an alternate strategy of electrodeposition and self-assembly. <i>Biosensors and Bioelectronics</i> , 2012, 35, 277-283.	5.3	34
114	A novel multi-amplification photoelectrochemical immunoassay based on copper(II) enhanced polythiophene sensitized graphitic carbon nitride nanosheet. <i>Biosensors and Bioelectronics</i> , 2014, 62, 315-319.	5.3	34
115	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.	4.0	34
116	Label-free photoelectrochemical immunosensor for amyloid β -protein detection based on SnO ₂ /CdCO ₃ /CdS synthesized by one-pot method. <i>Biosensors and Bioelectronics</i> , 2019, 126, 23-29.	5.3	34
117	Ultrasensitive enzyme-free immunoassay for squamous cell carcinoma antigen using carbon supported Pd@Au as electrocatalytic labels. <i>Analytica Chimica Acta</i> , 2014, 833, 9-14.	2.6	33
118	A network signal amplification strategy of ultrasensitive photoelectrochemical immunosensing carcinoembryonic antigen based on CdSe/melamine network as label. <i>Biosensors and Bioelectronics</i> , 2016, 85, 764-770.	5.3	31
119	Label-free electrochemical immunosensor based on enhanced signal amplification between Au@Pd and CoFe ₂ O ₄ /graphene nanohybrid. <i>Scientific Reports</i> , 2016, 6, 23391.	1.6	31
120	Fabrication and high ORR performance of MnO _x nanopillar layers with enriched oxygen vacancies. <i>Chemical Communications</i> , 2018, 54, 9639-9642.	2.2	31
121	Core@shell sub-ten-nanometer noble metal nanoparticles with a controllable thin Pt shell and their catalytic activity towards oxygen reduction. <i>Nano Research</i> , 2015, 8, 271-280.	5.8	30
122	Ultrasensitive photoelectrochemical immunosensor based on Cu-doped TiO ₂ and carbon nitride for detection of carcinoembryonic antigen. <i>Carbon</i> , 2019, 146, 276-283.	5.4	30
123	Electrochemical Immunoassay of Human Chorionic Gonadotrophin Based on Its Immobilization in Gold Nanoparticles-Chitosan Membrane. <i>Electroanalysis</i> , 2006, 18, 670-676.	1.5	29
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