List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Nitrogen doping effects on the structure of graphene. Applied Surface Science, 2011, 257, 9193-9198.	6.1	476
2	Structurally Wellâ€Defined Au@Cu _{2â^'} <i>_x</i> S Core–Shell Nanocrystals for Improved Cancer Treatment Based on Enhanced Photothermal Efficiency. Advanced Materials, 2016, 28, 3094-3101.	21.0	228
3	Triple Signal Amplification of Graphene Film, Polybead Carried Gold Nanoparticles as Tracing Tag and Silver Deposition for Ultrasensitive Electrochemical Immunosensing. Analytical Chemistry, 2012, 84, 3662-3668.	6.5	225
4	Ultrasensitive Multiplexed Immunoassay with Electrochemical Stripping Analysis of Silver Nanoparticles Catalytically Deposited by Gold Nanoparticles and Enzymatic Reaction. Analytical Chemistry, 2011, 83, 2726-2732.	6.5	215
5	Label-free immunosensor for the detection of kanamycin using Ag@Fe3O4 nanoparticles and thionine mixed graphene sheet. Biosensors and Bioelectronics, 2013, 48, 224-229.	10.1	181
6	Streptavidinâ€Functionalized Silverâ€Nanoparticleâ€Enriched Carbon Nanotube Tag for Ultrasensitive Multiplexed Detection of Tumor Markers. Advanced Functional Materials, 2011, 21, 2938-2943.	14.9	176
7	A disposable electrochemical immunosensor for flow injection immunoassay of carcinoembryonic antigen. Biosensors and Bioelectronics, 2006, 22, 102-108.	10.1	169
8	Cathodic electrochemiluminescence immunosensor based on nanocomposites of semiconductor carboxylated g-C3N4 and graphene for the ultrasensitive detection of squamous cell carcinoma antigen. Biosensors and Bioelectronics, 2014, 55, 330-336.	10.1	158
9	Tremella-like Ni3S2/MnS with ultrathin nanosheets and abundant oxygen vacancies directly used for high speed overall water splitting. Applied Catalysis B: Environmental, 2019, 257, 117899.	20.2	157
10	Self-supported CoMoS4 nanosheet array as an efficient catalyst for hydrogen evolution reaction at neutral pH. Nano Research, 2018, 11, 2024-2033.	10.4	147
11	A critical review on membrane hybrid system for nutrient recovery from wastewater. Chemical Engineering Journal, 2018, 348, 143-156.	12.7	145
12	A MoS ₂ nanosheet–reduced graphene oxide hybrid: an efficient electrocatalyst for electrocatalytic N ₂ reduction to NH ₃ under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 2524-2528.	10.3	145
13	Sulfur-Doped Graphene-Based Immunological Biosensing Platform for Multianalysis of Cancer Biomarkers. ACS Applied Materials & Interfaces, 2017, 9, 37637-37644.	8.0	144
14	Label-free electrochemical immunosensor based on flower-like Ag/MoS2/rGO nanocomposites for ultrasensitive detection of carcinoembryonic antigen. Sensors and Actuators B: Chemical, 2018, 255, 125-132.	7.8	135
15	A silver–palladium alloy nanoparticle-based electrochemical biosensor for simultaneous detection of ractopamine, clenbuterol and salbutamol. Biosensors and Bioelectronics, 2013, 49, 14-19.	10.1	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. ACS Applied Materials & amp; Interfaces. 2017. 9. 35260-35267.	8.0	130
17	Sensitive Electrochemical Sensor for Simultaneous Determination of Dopamine, Ascorbic Acid, and Uric Acid Enhanced by Amino-group Functionalized Mesoporous Fe3O4@Graphene Sheets. Electrochimica Acta, 2014, 116, 244-249.	5.2	127
18	Cobalt–borate nanowire array as a high-performance catalyst for oxygen evolution reaction in near-neutral media. Journal of Materials Chemistry A, 2017, 5, 7291-7294.	10.3	120

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19	Flow-injection chemiluminescent immunoassay for α-fetoprotein based on epoxysilane modified glass microbeads. Journal of Immunological Methods, 2006, 312, 61-67.	1.4	116
20	A Disposable Multianalyte Electrochemical Immunosensor Array for Automated Simultaneous Determination of Tumor Markers. Clinical Chemistry, 2007, 53, 1495-1502.	3.2	111
21	Synthesis of Au@Pd core–shell nanoparticles with controllable size and their application in surface-enhanced Raman spectroscopy. Chemical Physics Letters, 2005, 408, 354-359.	2.6	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. Biosensors and Bioelectronics, 2017, 96, 113-120.	10.1	107
23	Macroporous graphene capped Fe3O4 for amplified electrochemiluminescence immunosensing of carcinoembryonic antigen detection based on CeO2@TiO2. Biosensors and Bioelectronics, 2017, 91, 842-848.	10.1	103
24	Label-free electrochemical immunosensor for prostate-specific antigen based on silver hybridized mesoporous silica nanoparticles. Analytical Biochemistry, 2013, 434, 123-127.	2.4	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. Biosensors and Bioelectronics, 2017, 89, 1020-1025.	10.1	100
26	CoC ₂ O ₄ ·2H ₂ O derived Co ₃ O ₄ nanorods array: a high-efficiency 1D electrocatalyst for alkaline oxygen evolution reaction. Chemical Communications, 2018, 54, 1533-1536.	4.1	99
27	An electrochemical aptasensor based on gold-modified MoS2/rGO nanocomposite and gold-palladium-modified Fe-MOFs for sensitive detection of lead ions. Sensors and Actuators B: Chemical, 2020, 319, 128313.	7.8	99
28	Synthesis of Self-Supported Amorphous CoMoO ₄ Nanowire Array for Highly Efficient Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2017, 5, 10093-10098.	6.7	98
29	An amperometric immunosensor for separation-free immunoassay of CA125 based on its covalent immobilization coupled with thionine on carbon nanofiber. Journal of Immunological Methods, 2007, 322, 12-19.	1.4	97
30	Label-Free Electrochemiluminescent Immunosensor for Detection of Carcinoembryonic Antigen Based on Nanocomposites of GO/MWCNTs-COOH/Au@CeO ₂ . ACS Applied Materials & Interfaces, 2015, 7, 19260-19267.	8.0	97
31	Electrochemiluminescent immunosensing of prostate-specific antigen based on silver nanoparticles-doped Pb (II) metal-organic framework. Biosensors and Bioelectronics, 2016, 79, 379-385.	10.1	97
32	Visible light photoelectrochemical aptasensor for adenosine detection based on CdS/PPy/g-C3N4 nanocomposites. Biosensors and Bioelectronics, 2016, 86, 439-445.	10.1	96
33	Determination of methyl parathion by a molecularly imprinted sensor based on nitrogen doped graphene sheets. Electrochimica Acta, 2014, 116, 366-371.	5.2	94
34	Label-free immunosensor based on Pd nanoplates for amperometric immunoassay of alpha-fetoprotein. Biosensors and Bioelectronics, 2014, 53, 305-309.	10.1	90
35	The role of nanomaterials in electroanalytical biosensors: A mini review. Journal of Electroanalytical Chemistry, 2016, 781, 401-409.	3.8	88
36	Sandwich-type electrochemical immunosensor for CEA detection based on Ag/MoS2@Fe3O4 and an an an an an an an an an Churan ELISA method with total internal reflection microscopy. Sensors and Actuators B: Chemical, 2018, 266, 561-569.	7.8	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. Chemical Communications, 2018, 54, 1425-1428.	4.1	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. ACS Applied Materials & Interfaces, 2016, 8, 10121-10127.	8.0	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. Journal of Colloid and Interface Science, 2022, 606, 510-517.	9.4	86
40	Morphology-dependent NiMoO4/carbon composites for high performance supercapacitors. Inorganic Chemistry Communication, 2020, 111, 107631.	3.9	84
41	Electrochemical stripping analysis of nanogold label-induced silver deposition for ultrasensitive multiplexed detection of tumor markers. Analytica Chimica Acta, 2012, 721, 1-6.	5.4	82
42	Dual Intrareticular Oxidation of Mixed-Ligand Metal–Organic Frameworks for Stepwise Electrochemiluminescence. Journal of the American Chemical Society, 2021, 143, 3049-3053.	13.7	81
43	3D Coral-Like Ni ₃ S ₂ on Ni Foam as a Bifunctional Electrocatalyst for Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 31330-31339.	8.0	80
44	Graphene-Based Optical and Electrochemical Biosensors: A Review. Analytical Letters, 2013, 46, 1-17.	1.8	76
45	Ferritin-Based Electrochemiluminescence Nanosurface Energy Transfer System for Procalcitonin Detection Using HWRGWVC Heptapeptide for Site-Oriented Antibody Immobilization. Analytical Chemistry, 2019, 91, 7145-7152.	6.5	76
46	A novel label-free photoelectrochemical sensor based on N,S-GQDs and CdS co-sensitized hierarchical Zn2SnO4 cube for detection of cardiac troponin I. Biosensors and Bioelectronics, 2018, 106, 14-20.	10.1	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. Biosensors and Bioelectronics, 2015, 64, 51-56.	10.1	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. Analytical Chemistry, 2019, 91, 14066-14073.	6.5	71
49	Electrochemical aptasensor based on gold modified graphene nanocomposite with different morphologies for ultrasensitive detection of Pb2+. Sensors and Actuators B: Chemical, 2019, 288, 325-331.	7.8	71
50	Disposable immunosensor array for ultrasensitive detection of tumor markers using glucose oxidase-functionalized silica nanosphere tags. Biosensors and Bioelectronics, 2011, 26, 3782-3787.	10.1	70
51	Dual-responsive electrochemical immunosensor for prostate specific antigen detection based on Au-CoS/graphene and CeO2/ionic liquids doped with carboxymethyl chitosan complex. Biosensors and Bioelectronics, 2017, 94, 141-147.	10.1	70
52	Chemiluminescent immunosensor for CA19-9 based on antigen immobilization on a cross-linked chitosan membrane. Journal of Immunological Methods, 2004, 291, 165-174.	1.4	69
53	Photoelectrochemical sensitive detection of insulin based on CdS/polydopamine co-sensitized WO 3 nanorod and signal amplification of carbon nanotubes@polydopamine. Biosensors and Bioelectronics, 2017, 96, 345-350.	10.1	69
54	A photoelectrochemical sensor for highly sensitive detection of amyloid beta based on sensitization of Mn:CdSe to Bi2WO6/CdS. Biosensors and Bioelectronics, 2018, 122, 37-42.	10.1	67

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55	Ultrasensitive electrochemical immunosensors for multiplexed determination using mesoporous platinum nanoparticles as nonenzymatic labels. Analytica Chimica Acta, 2014, 807, 44-50.	5.4	66
56	BBS4 and BBS5 show functional redundancy in the BBSome to regulate the degradative sorting of ciliary sensory receptors. Scientific Reports, 2015, 5, 11855.	3.3	65
57	Sandwich-type electrochemical immunosensor for the detection of AFP based on Pd octahedral and APTES-M-CeO2-GS as signal labels. Biosensors and Bioelectronics, 2016, 79, 482-487.	10.1	65
58	Quench-Type Electrochemiluminescence Immunosensor Based on Resonance Energy Transfer from Carbon Nanotubes and Au-Nanoparticles-Enhanced <i>g</i> -C ₃ N ₄ to CuO@Polydopamine for Procalcitonin Detection. ACS Applied Materials & Interfaces, 2020, 12, 8006-8015.	8.0	65
59	Amorphous Co-doped MoO _x nanospheres with a core–shell structure toward an effective oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 1005-1012.	10.3	64
60	Corallite-like Magnetic Fe ₃ O ₄ @MnO ₂ @Pt Nanocomposites as Multiple Signal Amplifiers for the Detection of Carcinoembryonic Antigen. ACS Applied Materials & Interfaces, 2015, 7, 18786-18793.	8.0	63
61	Highly selective fluorescent chemosensor for detection of Fe3+ based on Fe3O4@ZnO. Scientific Reports, 2016, 6, 23558.	3.3	63
62	Facile synthesis of cuprous oxide nanowires decorated graphene oxide nanosheets nanocomposites and its application in label-free electrochemical immunosensor. Biosensors and Bioelectronics, 2017, 87, 745-751.	10.1	63
63	Development of an Immunochromatographic Strip Test for the Rapid Detection of Zearalenone in Corn. Journal of Agricultural and Food Chemistry, 2014, 62, 11116-11121.	5.2	61
64	Ultrasensitive electrochemical immunoassay for squamous cell carcinoma antigen using dumbbell-like Pt–Fe3O4 nanoparticles as signal amplification. Biosensors and Bioelectronics, 2013, 46, 91-96.	10.1	60
65	Plasmon enhanced photoelectrochemical sensing of mercury (II) ions in human serum based on Au@Ag nanorods modified TiO2 nanosheets film. Biosensors and Bioelectronics, 2016, 79, 866-873.	10.1	60
66	Ultrasensitive electrochemical aptasensor for the detection of thrombin based on dual signal amplification strategy of Au@GS and DNA-CoPd NPs conjugates. Biosensors and Bioelectronics, 2016, 80, 640-646.	10.1	57
67	Ni(OH)2/NGQDs-based electrochemiluminescence immunosensor for prostate specific antigen detection by coupling resonance energy transfer with Fe3O4@MnO2 composites. Biosensors and Bioelectronics, 2018, 99, 346-352.	10.1	57
68	Metal organic framework nanofibers derived Co3O4-doped carbon-nitrogen nanosheet arrays for high efficiency electrocatalytic oxygen evolution. Carbon, 2018, 137, 433-441.	10.3	56
69	A signal-off sandwich photoelectrochemical immunosensor using TiO2 coupled with CdS as the photoactive matrix and copper (II) ion as inhibitor. Biosensors and Bioelectronics, 2015, 65, 97-102.	10.1	55
70	A Compatible Sensitivity Enhancement Strategy for Electrochemiluminescence Immunosensors Based on the Biomimetic Melanin-Like Deposition. Analytical Chemistry, 2017, 89, 13049-13053.	6.5	55
71	Nanotechnology and nanomaterial-based no-wash electrochemical biosensors: from design to application. Nanoscale, 2019, 11, 19105-19118.	5.6	54
72	A sandwich-type photoelectrochemical immunosensor for NT-pro BNP detection based on F-Bi2WO6/Ag2S and GO/PDA for signal amplification. Biosensors and Bioelectronics, 2019, 131, 299-306.	10.1	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. Journal of Materials Chemistry B, 2013, 1, 4052.	5.8	51
74	Anatase TiO ₂ based photoelectrochemical sensor for the sensitive determination of dopamine under visible light irradiation. New Journal of Chemistry, 2015, 39, 1483-1487.	2.8	51
75	Quenched electrochemiluminescence of Ag nanoparticles functionalized g-C3N4 by ferrocene for highly sensitive immunosensing. Analytica Chimica Acta, 2015, 854, 40-46.	5.4	51
76	Visible-light driven photoelectrochemical immunosensor for insulin detection based on MWCNTs@SnS2@CdS nanocomposites. Biosensors and Bioelectronics, 2016, 86, 301-307.	10.1	50
77	Label-free electrochemical immunosensor based on biocompatible nanoporous Fe ₃ O ₄ and biotin–streptavidin system for sensitive detection of zearalenone. Analyst, The, 2020, 145, 1368-1375.	3.5	50
78	Nanosheet Au/Co3O4-based ultrasensitive nonenzymatic immunosensor for melanoma adhesion molecule antigen. Biosensors and Bioelectronics, 2014, 58, 345-350.	10.1	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+. Biosensors and Bioelectronics, 2016, 82, 9-13.	10.1	48
80	Ultrasensitive Label-free Electrochemical Immunosensor based on Multifunctionalized Graphene Nanocomposites for the Detection of Alpha Fetoprotein. Scientific Reports, 2017, 7, 42361.	3.3	48
81	Dual-Mode Electrochemical Immunoassay for Insulin Based on Cu ₇ S ₄ –Au as a Double Signal Indicator. ACS Applied Materials & Interfaces, 2018, 10, 38791-38798.	8.0	46
82	Ultrasensitive non-mediator electrochemical immunosensors using Au/Ag/Au core/double shell nanoparticles as enzyme-mimetic labels. Talanta, 2014, 124, 60-66.	5.5	45
83	Ultrasensitive photoelectrochemical aptasensing of miR-155 using efficient and stable CH3NH3PbI3 quantum dots sensitized ZnO nanosheets as light harvester. Biosensors and Bioelectronics, 2016, 85, 142-150.	10.1	44
84	Ultrasensitive non-enzymatic and non-mediator electrochemical biosensor using nitrogen-doped graphene sheets for signal amplification and nanoporous alloy as carrier. Electrochimica Acta, 2013, 97, 105-111.	5.2	43
85	Ultrasensitive electrochemical immunosensor for zeranol detection based on signal amplification strategy of nanoporous gold films and nano-montmorillonite as labels. Analytica Chimica Acta, 2013, 758, 72-79.	5.4	43
86	Electrochemical immunosensor for α-fetoprotein detection using ferroferric oxide and horseradish peroxidase as signal amplification labels. Analytical Biochemistry, 2014, 465, 121-126.	2.4	43
87	A self-powered photoelectrochemical cathodic aptasensor for the detection of 17β-estradiol based on FeOOH/In2S3 photoanode. Biosensors and Bioelectronics, 2020, 154, 112089.	10.1	43
88	A label-free electrochemiluminescence immunosensor based on KNbO3–Au nanoparticles@Bi2S3 for the detection of prostate specific antigen. Biosensors and Bioelectronics, 2015, 74, 104-112.	10.1	42
89	Ultrasensitive immunoassay for CA125 detection using acid site compound as signal and enhancer. Talanta, 2015, 144, 535-541.	5.5	42
90	Electrochemical DNA probe for Hg2+ detection based on a triple-helix DNA and Multistage Signal Amplification Strategy. Biosensors and Bioelectronics, 2016, 86, 907-912.	10.1	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⁺ . Analytical Methods, 2018, 10, 4784-4792.	2.7	42
92	Photoelectrochemical Immunosensor for Detection of Carcinoembryonic Antigen Based on 2D TiO2 Nanosheets and Carboxylated Graphitic Carbon Nitride. Scientific Reports, 2016, 6, 27385.	3.3	41
93	An ITO-based point-of-care colorimetric immunosensor for ochratoxin A detection. Talanta, 2018, 188, 593-599.	5.5	41
94	Nanobody-Based Electrochemical Immunoassay for Ultrasensitive Determination of Apolipoprotein-A1 Using Silver Nanoparticles Loaded Nanohydroxyapatite as Label. Analytical Chemistry, 2015, 87, 11209-11214.	6.5	40
95	A photoelectrochemical biosensor for fibroblast-like synoviocyte cell using visible light-activated NCQDs sensitized-ZnO/CH 3 NH 3 PbI 3 heterojunction. Biosensors and Bioelectronics, 2016, 77, 330-338.	10.1	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 . ACS Applied Materials & Interfaces, 2018, 10, 31080-31087.	8.0	40
97	Yolk-shell nanovesicles endow glutathione-responsive concurrent drug release and T1 MRI activation for cancer theranostics. Biomaterials, 2020, 244, 119979.	11.4	40
98	Construction of label-free electrochemical immunosensor on mesoporous carbon nanospheres for breast cancer susceptibility gene. Analytica Chimica Acta, 2013, 770, 62-67.	5.4	39
99	Cubic Cu 2 O nanoframes with a unique edge-truncated structure and a good electrocatalytic activity for immunosensor application. Biosensors and Bioelectronics, 2016, 78, 167-173.	10.1	39
100	Coassembly and high ORR performance of monodisperse Pt nanocrystals with a mesopore-rich nitrogen-doped graphene aerogel. Journal of Materials Chemistry A, 2017, 5, 17544-17548.	10.3	39
101	Enabling Electrocatalytic N ₂ Reduction to NH ₃ by Y ₂ O ₃ Nanosheet under Ambient Conditions. Industrial & Engineering Chemistry Research, 2018, 57, 16622-16627.	3.7	39
102	Ultrasensitive photoelectrochemical immunosensor for insulin detection based on dual inhibition effect of CuS-SiO2 composite on CdS sensitized C-TiO2. Sensors and Actuators B: Chemical, 2018, 258, 1-9.	7.8	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. Biosensors and Bioelectronics, 2016, 77, 936-941.	10.1	37
104	Label-free ECL immunosensor for the early diagnosis of rheumatoid arthritis based on asymmetric heterogeneous polyaniline-gold nanomaterial. Sensors and Actuators B: Chemical, 2018, 257, 354-361.	7.8	37
105	A dual-signaling electrochemical ratiometric method for sensitive detection of carcinoembryonic antigen based on Au-Cu2S-CuS/graphene and Au-CeO2 supported toluidine blue complex. Sensors and Actuators B: Chemical, 2018, 256, 504-511.	7.8	37
106	Ni(OH)2 nanoarrays based molecularly imprinted polymer electrochemical sensor for sensitive detection of sulfapyridine. Sensors and Actuators B: Chemical, 2019, 287, 551-556.	7.8	37
107	Ultrasensitive electrochemiluminescence immunosensor based on Ru(bpy)32+ and Ag nanoparticles doped SBA-15 for detection of cancer antigen 15-3. Sensors and Actuators B: Chemical, 2013, 188, 462-468.	7.8	36
108	Nanoporous PtCo-based ultrasensitive enzyme-free immunosensor for zeranoldetection. Biosensors and Bioelectronics, 2013, 42, 367-372.	10.1	36

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109	Electrochemiluminescence immunosensing strategy based on the use of Au@Ag nanorods as a peroxidase mimic and NH4CoPO4 as a supercapacitive supporter: Application to the determination of carcinoembryonic antigen. Mikrochimica Acta, 2015, 182, 1421-1429.	5.0	36
110	Sulfur Incorporated CoFe2O4/Multiwalled Carbon Nanotubes toward Enhanced Oxygen Evolution Reaction. Electrochimica Acta, 2017, 247, 843-850.	5.2	36
111	A label-free electrochemiluminescence immunosensor based on EuPO4 nanowire for the ultrasensitive detection of Prostate specific antigen. Biosensors and Bioelectronics, 2016, 80, 352-358.	10.1	35
112	Label-free electrochemical immunosensor with palladium nanoparticles functionalized MoS2/NiCo heterostructures for sensitive procalcitonin detection. Sensors and Actuators B: Chemical, 2020, 312, 127980.	7.8	35
113	A novel immunosensor based on an alternate strategy of electrodeposition and self-assembly. Biosensors and Bioelectronics, 2012, 35, 277-283.	10.1	34
114	A novel multi-amplification photoelectrochemical immunoassay based on copper(II) enhanced polythiophene sensitized graphitic carbon nitride nanosheet. Biosensors and Bioelectronics, 2014, 62, 315-319.	10.1	34
115	Simple synthesis of silver nanoparticles functionalized cuprous oxide nanowires nanocomposites and its application in electrochemical immunosensor. Sensors and Actuators B: Chemical, 2016, 236, 241-248.	7.8	34
116	Label-free photoelectrochemical immunosensor for amyloid β-protein detection based on SnO2/CdCO3/CdS synthesized by one-pot method. Biosensors and Bioelectronics, 2019, 126, 23-29.	10.1	34
117	Ultrasensitive enzyme-free immunoassay for squamous cell carcinoma antigen using carbon supported Pd–Au as electrocatalytic labels. Analytica Chimica Acta, 2014, 833, 9-14.	5.4	33
118	A network signal amplification strategy of ultrasensitive photoelectrochemical immunosensing carcinoembryonic antigen based on CdSe/melamine network as label. Biosensors and Bioelectronics, 2016, 85, 764-770.	10.1	31
119	Label-free electrochemical immunosensor based on enhanced signal amplification between Au@Pd and CoFe2O4/graphene nanohybrid. Scientific Reports, 2016, 6, 23391.	3.3	31
120	Fabrication and high ORR performance of MnO _x nanopyramid layers with enriched oxygen vacancies. Chemical Communications, 2018, 54, 9639-9642.	4.1	31
121	Core@shell sub-ten-nanometer noble metal nanoparticles with a controllable thin Pt shell and their catalytic activity towards oxygen reduction. Nano Research, 2015, 8, 271-280.	10.4	30
122	Ultrasensitive photoelectrochemical immunosensor based on Cu-doped TiO2 and carbon nitride for detection of carcinoembryonic antigen. Carbon, 2019, 146, 276-283.	10.3	30
123	Electrochemical Immunoassay of Human Chorionic Gonadotrophin Based on Its Immobilization in Gold Nanoparticles-Chitosan Membrane. Electroanalysis, 2006, 18, 670-676.	2.9	29
124	Label-free immunosensor based on Au@Ag2S nanoparticles/magnetic chitosan matrix for sensitive determination of ractopamine. Journal of Electroanalytical Chemistry, 2015, 741, 14-19.	3.8	29
125	In situ Formed Co(TCNQ) ₂ Metalâ€Organic Framework Array as a Highâ€Efficiency Catalyst for Oxygen Evolution Reactions. Chemistry - A European Journal, 2018, 24, 2075-2079.	3.3	29
126	Directly assembled electrochemical sensor by combining self-supported CoN nanoarray platform grown on carbon cloth with molecularly imprinted polymers for the detection of Tylosin. Journal of Hazardous Materials, 2020, 398, 122778.	12.4	28

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127	A novel label-free photoelectrochemical immunosensor based on NCQDs and Bi ₂ S ₃ co-sensitized hierarchical mesoporous SnO ₂ microflowers for detection of NT-proBNP. Journal of Materials Chemistry B, 2018, 6, 7634-7642.	5.8	26
128	Electrochemical aptasensor based on Au@HS-rGO and thymine-Hg2+-thymine structure for sensitive detection of mercury ion. Journal of Electroanalytical Chemistry, 2019, 848, 113308.	3.8	26
129	An ultrasensitive squamous cell carcinoma antigen biosensing platform utilizing double-antibody single-channel amplification strategy. Biosensors and Bioelectronics, 2015, 72, 156-159.	10.1	25
130	Metal oxide- and N-codoped carbon nanosheets: facile synthesis derived from MOF nanofibers and their application in oxygen evolution. Chemical Communications, 2018, 54, 264-267.	4.1	25
131	Electrochemical enantioselective recognition penicillamine isomers based on chiral C-dots/MOF hybrid arrays. Journal of Electroanalytical Chemistry, 2019, 846, 113151.	3.8	25
132	Rational design of bimetallic Rh _{0.6} Ru _{0.4} nanoalloys for enhanced nitrogen reduction electrocatalysis under mild conditions. Journal of Materials Chemistry A, 2021, 9, 259-263.	10.3	25
133	Disposable competitive-type immunoassay for determination of aflatoxin B1 via detection of copper ions released from Cu-apatite. Talanta, 2016, 147, 556-560.	5.5	24
134	Visible-light driven Photoelectrochemical Immunosensor Based on SnS2@mpg-C3N4 for Detection of Prostate Specific Antigen. Scientific Reports, 2017, 7, 4629.	3.3	24
135	Aptamer basedÂelectrochemiluminescent thrombin assay using carbon dots anchored onto silver-decorated polydopamine nanospheres. Mikrochimica Acta, 2018, 185, 85.	5.0	24
136	A CeO ₂ -matrical enhancing ECL sensing platform based on the Bi ₂ S ₃ -labeled inverted quenching mechanism for PSA detection. Journal of Materials Chemistry B, 2016, 4, 2963-2971.	5.8	23
137	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. Biosensors and Bioelectronics, 2019, 142, 111562.	10.1	23
138	Pure nitrogen-doped graphene aerogel with rich micropores yields high ORR performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 242, 1-5.	3.5	23
139	Peptide-Based Electrochemiluminescence Biosensors Using Silver Nanoclusters as Signal Probes and Pd-Cu ₂ 0 Hybrid Nanoconcaves as Coreactant Promoters for Immunoassays. Analytical Chemistry, 2021, 93, 13045-13053.	6.5	23
140	Electrochemiluminescence sensor based on cationic polythiophene derivative and NH ₂ –graphene for dopamine detection. RSC Advances, 2015, 5, 5432-5437.	3.6	22
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142	Photoelectrochemical determination of Hg(II) via dual signal amplification involving SPR enhancement and a folding-based DNA probe. Mikrochimica Acta, 2017, 184, 1379-1387.	5.0	22
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