

Xiurong Yang

List of Publications by Year in descending order

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146
papers

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44042

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all docs

148
docs citations

148
times ranked

9336
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine Nanoparticles as Efficient Scavengers for Reactive Oxygen Species in Periodontal Disease. ACS Nano, 2018, 12, 8882-8892.	7.3	401
2	Atomic and electronic modulation of self-supported nickel-vanadium layered double hydroxide to accelerate water splitting kinetics. Nature Communications, 2019, 10, 3899.	5.8	355
3	Enhanced Catalytic Activities of Surfactant-Assisted Exfoliated WS ₂ Nanodots for Hydrogen Evolution. ACS Nano, 2016, 10, 2159-2166.	7.3	269
4	Microorganism-Derived Heteroatom-Doped Carbon Materials for Oxygen Reduction and Supercapacitors. Advanced Functional Materials, 2013, 23, 1305-1312.	7.8	213
5	Au and Au-Based nanomaterials: Synthesis and recent progress in electrochemical sensor applications. Talanta, 2020, 206, 120210.	2.9	213
6	Ultrafine Pt Nanoparticle-Decorated Co(OH) ₂ Nanosheet Arrays with Enhanced Catalytic Activity toward Hydrogen Evolution. ACS Catalysis, 2017, 7, 7131-7135.	5.5	195
7	FRET Effect between Fluorescent Polydopamine Nanoparticles and MnO ₂ Nanosheets and Its Application for Sensitive Sensing of Alkaline Phosphatase. ACS Applied Materials & Interfaces, 2018, 10, 6560-6569.	4.0	175
8	Construction of amorphous interface in an interwoven NiS/NiS ₂ structure for enhanced overall water splitting. Journal of Materials Chemistry A, 2018, 6, 8233-8237.	5.2	159
9	Single-atom ruthenium based catalyst for enhanced hydrogen evolution. Applied Catalysis B: Environmental, 2019, 249, 91-97.	10.8	146
10	Fluorescence Immunoassay Based on the Phosphate-Triggered Fluorescence Turn-on Detection of Alkaline Phosphatase. Analytical Chemistry, 2018, 90, 3505-3511.	3.2	145
11	Determination of Surface pKa of SAM Using an Electrochemical Titration Method. Electroanalysis, 1999, 11, 1108-1113.	1.5	143
12	Fluorescent and Colorimetric Dual-Readout Assay for Inorganic Pyrophosphatase with Cu ²⁺ -Triggered Oxidation of <i>o</i> -Phenylenediamine. Analytical Chemistry, 2016, 88, 1355-1361.	3.2	140
13	Three-Dimensional Structures of MoS ₂ @Ni Core/Shell Nanosheets Array toward Synergetic Electrocatalytic Water Splitting. ACS Applied Materials & Interfaces, 2016, 8, 14521-14526.	4.0	132
14	Assembly of Alternating Polycation and DNA Multilayer Films by Electrostatic Layer-by-Layer Adsorption. Biomacromolecules, 2001, 2, 463-468.	2.6	127
15	When NiO@Ni Meets WS ₂ Nanosheet Array: A Highly Efficient and Ultrastable Electrocatalyst for Overall Water Splitting. ACS Central Science, 2018, 4, 112-119.	5.3	120
16	Methods to study the ionic conductivity of polymeric electrolytes using a.c. impedance spectroscopy. Journal of Solid State Electrochemistry, 2001, 6, 8-15.	1.2	119
17	Highly Sensitive Real-Time Assay of Inorganic Pyrophosphatase Activity Based on the Fluorescent Gold Nanoclusters. Analytical Chemistry, 2014, 86, 7883-7889.	3.2	118
18	Ultrasensitive Immunosensor for Cardiac Troponin I Detection Based on the Electrochemiluminescence of 2D Ru-MOF Nanosheets. Analytical Chemistry, 2019, 91, 10156-10163.	3.2	108

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19	Dual-Wavelength Ratiometric Electrochemiluminescence Immunosensor for Cardiac Troponin I Detection. <i>Analytical Chemistry</i> , 2019, 91, 1524-1531.	3.2	105
20	In Situ Electrochemically Activated CoMn-S@NiO/CC Nanosheets Array for Enhanced Hydrogen Evolution. <i>ACS Catalysis</i> , 2016, 6, 2797-2801.	5.5	99
21	Fluorescence Immunoassay Based on the Alkaline Phosphatase Triggered in Situ Fluorogenic Reaction of <i>p</i> -Phenylenediamine and Ascorbic Acid. <i>Analytical Chemistry</i> , 2019, 91, 2978-2984.	3.2	99
22	Fluorescence Immunoassay System via Enzyme-Enabled in Situ Synthesis of Fluorescent Silicon Nanoparticles. <i>Analytical Chemistry</i> , 2016, 88, 9789-9795.	3.2	98
23	Fine Co Nanoparticles Encapsulated in a N-Doped Porous Carbon Matrix with Superficial N-Doped Porous Carbon Nanofibers for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21747-21755.	4.0	98
24	Template-Free, Surfactantless Route to Fabricate In(OH) ₃ Monocrystalline Nanoarchitectures and Their Conversion to In ₂ O ₃ . <i>Crystal Growth and Design</i> , 2008, 8, 950-956.	1.4	91
25	Integrated Logic Gate for Fluorescence Turn-on Detection of Histidine and Cysteine Based on Ag/Au Bimetallic Nanoclusters@Cu ²⁺ Ensemble. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6860-6866.	4.0	90
26	Experimental and theoretical insights into sustained water splitting with an electrodeposited nanoporous nickel hydroxide@nickel film as an electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7744-7748.	5.2	90
27	Carbon dots-assisted colorimetric and fluorometric dual-mode protocol for acetylcholinesterase activity and inhibitors screening based on the inner filter effect of silver nanoparticles. <i>Analyst</i> , The, 2016, 141, 3280-3288.	1.7	80
28	Fluorescence Light-Up Biosensor for MicroRNA Based on the Distance-Dependent Photoinduced Electron Transfer. <i>Analytical Chemistry</i> , 2017, 89, 8429-8436.	3.2	79
29	Cobalt Sulfide Nanowires Core Encapsulated by a N, S Codoped Graphitic Carbon Shell for Efficient Oxygen Reduction Reaction. <i>Small</i> , 2018, 14, e1703642.	5.2	75
30	Ratiometric Electrochemiluminescent/Electrochemical Strategy for Sensitive Detection of MicroRNA Based on Duplex-Specific Nuclease and Multilayer Circuit of Catalytic Hairpin Assembly. <i>Analytical Chemistry</i> , 2020, 92, 8614-8622.	3.2	70
31	Gold nanoclusters@Cu ²⁺ ensemble-based fluorescence turn-on and real-time assay for acetylcholinesterase activity and inhibitor screening. <i>Biosensors and Bioelectronics</i> , 2015, 74, 177-182.	5.3	68
32	A dual-mode colorimetric and fluorometric "light on" sensor for thiocyanate based on fluorescent carbon dots and unmodified gold nanoparticles. <i>Analyst</i> , The, 2015, 140, 8157-8164.	1.7	68
33	Electrochemical Immunosensor for Cardiac Troponin I Detection Based on Covalent Organic Framework and Enzyme-Catalyzed Signal Amplification. <i>Analytical Chemistry</i> , 2021, 93, 13572-13579.	3.2	68
34	Colorimetric logic gates for small molecules using split/integrated aptamers and unmodified gold nanoparticles. <i>Chemical Communications</i> , 2011, 47, 9435.	2.2	67
35	Inner Filter Effect-Based Sensor for Horseradish Peroxidase and Its Application to Fluorescence Immunoassay. <i>ACS Sensors</i> , 2018, 3, 183-190.	4.0	67
36	Holey nitrogen-doped graphene aerogel for simultaneously electrochemical determination of ascorbic acid, dopamine and uric acid. <i>Talanta</i> , 2021, 224, 121851.	2.9	67

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37	Ultra-Sensitive Colorimetric Assay System Based on the Hybridization Chain Reaction-Triggered Enzyme Cascade Amplification. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 167-175.	4.0	64
38	Simultaneous Determination of Tramadol and Lidocaine in Urine by End-column Capillary Electrophoresis with Electrochemiluminescence Detection. <i>Electroanalysis</i> , 2002, 14, 1571-1576.	1.5	63
39	Alkaline Phosphatase Assay Based on the Chromogenic Interaction of Diethanolamine with 4-Aminophenol. <i>Analytical Chemistry</i> , 2018, 90, 6339-6345.	3.2	62
40	Electrochemiluminescence Biosensor Based on Entropy-Driven Amplification and a Tetrahedral DNA Nanostructure for miRNA-133a Detection. <i>Analytical Chemistry</i> , 2021, 93, 11809-11815.	3.2	61
41	An Enzyme Cascade-Triggered Fluorogenic and Chromogenic Reaction Applied in Enzyme Activity Assay and Immunoassay. <i>Analytical Chemistry</i> , 2018, 90, 7754-7760.	3.2	60
42	Fluorometric and Colorimetric Dual-Readout Immunoassay Based on an Alkaline Phosphatase-Triggered Reaction. <i>Analytical Chemistry</i> , 2019, 91, 7828-7834.	3.2	60
43	Ion Channel Behavior of Supported Bilayer Lipid Membranes on a Glassy Carbon Electrode. <i>Analytical Chemistry</i> , 2000, 72, 6030-6033.	3.2	57
44	In Situ Fluorogenic and Chromogenic Reactions for the Sensitive Dual-Readout Assay of Tyrosinase Activity. <i>Analytical Chemistry</i> , 2017, 89, 10529-10536.	3.2	56
45	One-pot synthesis of interconnected Pt ₉₅ Co ₅ nanowires with enhanced electrocatalytic performance for methanol oxidation reaction. <i>Nano Research</i> , 2018, 11, 2562-2572.	5.8	56
46	Bio-inspired FeN ₅ moieties anchored on a three-dimensional graphene aerogel to improve oxygen reduction catalytic performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18488-18497.	5.2	53
47	Sensitive electrochemical sensor for hydrogen peroxide using Fe ₃ O ₄ magnetic nanoparticles as a mimic for peroxidase. <i>Mikrochimica Acta</i> , 2011, 174, 183-189.	2.5	50
48	Dual amplification ratiometric biosensor based on a DNA tetrahedron nanostructure and hybridization chain reaction for the ultrasensitive detection of microRNA-133a. <i>Chemical Communications</i> , 2019, 55, 11551-11554.	2.2	50
49	Polymethyldopa Nanoparticles-Based Fluorescent Sensor for Detection of Tyrosinase Activity. <i>ACS Sensors</i> , 2018, 3, 1855-1862.	4.0	48
50	Electrochemiluminescence Immunosensor Based on Au Nanocluster and Hybridization Chain Reaction Signal Amplification for Ultrasensitive Detection of Cardiac Troponin I. <i>ACS Sensors</i> , 2019, 4, 2778-2785.	4.0	48
51	Highly Luminescent and Self-Enhanced Electrochemiluminescence of Tris(bipyridine) Ruthenium(II) Nanohybrid and Its Sensing Application for Label-Free Detection of MicroRNA. <i>Analytical Chemistry</i> , 2019, 91, 13237-13243.	3.2	47
52	An electric potential modulated cascade of catalyzed hairpin assembly and rolling chain amplification for microRNA detection. <i>Biosensors and Bioelectronics</i> , 2019, 126, 565-571.	5.3	46
53	An electrochemical sensor for sensitive detection of dopamine based on a COF/Pt/MWCNT@COOH nanocomposite. <i>Chemical Communications</i> , 2022, 58, 6092-6095.	2.2	46
54	Polymer wrapping technique: an effective route to prepare Pt nanoflower/carbon nanotube hybrids and application in oxygen reduction. <i>Energy and Environmental Science</i> , 2010, 3, 144-149.	15.6	45

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55	Colorimetric Logic Gate for Pyrophosphate and Pyrophosphatase via Regulating the Catalytic Capability of Horseradish Peroxidase. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29529-29535.	4.0	44
56	DNA Assembly-Based Stimuli-Responsive Systems. <i>Advanced Science</i> , 2021, 8, 2100328.	5.6	44
57	Europium Luminescence Used for Logic Gate and Ions Sensing with Enoxacin As the Antenna. <i>Analytical Chemistry</i> , 2016, 88, 1238-1245.	3.2	42
58	Photo-Induced Electron Transfer-Based Versatile Platform with G-Quadruplex/Hemin Complex as Quencher for Construction of DNA Logic Circuits. <i>Analytical Chemistry</i> , 2018, 90, 3437-3442.	3.2	42
59	A fluorescent ELISA based on the enzyme-triggered synthesis of poly(thymine)-templated copper nanoparticles. <i>Nanoscale</i> , 2016, 8, 16846-16850.	2.8	41
60	A luminescent europium-dipicolinic acid nanohybrid for the rapid and selective sensing of pyrophosphate and alkaline phosphatase activity. <i>Nanoscale</i> , 2018, 10, 7163-7170.	2.8	41
61	Enzyme-induced in situ generation of polymer carbon dots for fluorescence immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127583.	4.0	41
62	Superb Hydrogen Evolution by a Pt Nanoparticle-Decorated Ni ₃ S ₂ Microrod Array. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39163-39169.	4.0	41
63	Spectrophotometric detection of lead(II) ion using unimolecular peroxidase-like deoxyribozyme. <i>Mikrochimica Acta</i> , 2010, 171, 195-201.	2.5	40
64	Synthesis of graphene nanosheets with incorporated silver nanoparticles for enzymeless hydrogen peroxide detection. <i>Analytical Methods</i> , 2013, 5, 2298.	1.3	40
65	A dual-mode signaling response of a AuNP-fluorescein based probe for specific detection of thiourea. <i>The Analyst</i> , 2016, 141, 2581-2587.	1.7	40
66	Label-Free and Regenerable Aptasensor for Real-Time Detection of Cadmium(II) by Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2020, 92, 10007-10015.	3.2	40
67	Determination of Reserpine in Urine by Capillary Electrophoresis with Electrochemiluminescence Detection. <i>Electroanalysis</i> , 2004, 16, 169-174.	1.5	39
68	Pt-like catalytic behavior of MoNi decorated CoMoO ₃ cuboid arrays for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15558-15563.	5.2	39
69	Electropolymerization of Azure B on a Screen-Printed Carbon Electrode and its Application to the Determination of NADH in a Flow Injection Analysis System. <i>Mikrochimica Acta</i> , 2004, 148, 335-341.	2.5	38
70	A pH-controlled bidirectionally pure DNA hydrogel: reversible self-assembly and fluorescence monitoring. <i>Chemical Communications</i> , 2018, 54, 4621-4624.	2.2	38
71	Electrospun RuO ₂ /MoO ₃ carbon nanorods with multi-active components: a Pt-like catalyst for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2020, 56, 739-742.	2.2	38
72	Real-Time Study of Interactions between Cytosine-Cytosine Pairs in DNA Oligonucleotides and Silver Ions Using Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2014, 86, 3849-3855.	3.2	37

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73	A new colorimetric protocol for selective detection of phosphate based on the inhibition of peroxidase-like activity of magnetite nanoparticles. <i>Analytical Methods</i> , 2015, 7, 161-167.	1.3	36
74	A dual-amplification mode and Cu-based metal-organic frameworks mediated electrochemical biosensor for sensitive detection of microRNA. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113992.	5.3	32
75	Real-Time Study of Genomic DNA Structural Changes upon Interaction with Small Molecules Using Dual-Polarization Interferometry. <i>Analytical Chemistry</i> , 2009, 81, 4914-4921.	3.2	31
76	A Ratiometric Fluorescent DNA Radar Based on Contrary Response of DNA/Silver Nanoclusters and G-Quadruplex/Crystal Violet. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25066-25073.	4.0	31
77	Ni ₁₇ W ₃ Nanoparticles Decorated WO ₂ Nanohybrid Electrocatalyst for Highly Efficient Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 2409-2413.	2.5	30
78	Sensitive and Programmable "Signal-Off" Electrochemiluminescence Sensing Platform Based on Cascade Amplification and Multiple Quenching Mechanisms. <i>Analytical Chemistry</i> , 2021, 93, 2644-2651.	3.2	30
79	Enhanced surface plasmon resonance immunosensing using a streptavidin-biotinylated protein complex. <i>Analyst</i> , 2001, 126, 4-6.	1.7	29
80	Label-Free and Sensitive Electrochemical Biosensor for Amplification Detection of Target Nucleic Acids Based on Transduction Hairpins and Three-Leg DNAzyme Walkers. <i>Analytical Chemistry</i> , 2021, 93, 8962-8970.	3.2	29
81	A versatile strategy to fabricate MOFs/carbon material integrations and their derivatives for enhanced electrocatalysis. <i>RSC Advances</i> , 2016, 6, 7728-7735.	1.7	28
82	Dual-Readout Tyrosinase Activity Assay Facilitated by a Chromo-Fluorogenic Reaction between Catechols and Naphthoresorcin. <i>Analytical Chemistry</i> , 2020, 92, 2316-2322.	3.2	27
83	Self-Enhanced Chemiluminescence of Tris(bipyridine) Ruthenium(II) Derivative Nanohybrids: Mechanism Insight and Application for Sensitive Silver Ions Detection. <i>Analytical Chemistry</i> , 2020, 92, 7265-7272.	3.2	27
84	A thiamine-triggered fluorimetric assay for acetylcholinesterase activity and inhibitor screening based on oxidase-like activity of MnO ₂ nanosheets. <i>Talanta</i> , 2021, 221, 121362.	2.9	27
85	Rational Construction of Ruthenium-Cobalt Oxides Heterostructure in ZIFs-Derived Double-Shelled Hollow Polyhedrons for Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2021, 17, e2100998.	5.2	27
86	Probing Biomolecular Interactions with Dual Polarization Interferometry: Real-Time and Label-Free Coralyne Detection by Use of Homoadenine DNA Oligonucleotide. <i>Analytical Chemistry</i> , 2012, 84, 924-930.	3.2	26
87	N-(Aminobutyl)-N-(ethylisoluminol)-functionalized gold nanoparticles on cobalt disulfide nanowire hybrids for the non-enzymatic chemiluminescence detection of H ₂ O ₂ . <i>Nanoscale</i> , 2018, 10, 14847-14851.	2.8	26
88	Dual polarisation interferometry for real-time, label-free detection of interaction of mercury(II) with mercury-specific oligonucleotides. <i>Chemical Communications</i> , 2012, 48, 2873.	2.2	25
89	A simple and sensitive assay for the determination of nitrite using folic acid as the fluorescent probe. <i>Analytical Methods</i> , 2015, 7, 1543-1548.	1.3	25
90	Classical Triplex Molecular Beacons for MicroRNA-21 and Vascular Endothelial Growth Factor Detection. <i>ACS Sensors</i> , 2018, 3, 2438-2445.	4.0	25

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91	A ratiometric electrochemiluminescence strategy based on two-dimensional nanomaterial-nucleic acid interactions for biosensing and logic gates operation. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113022.	5.3	23
92	In situ formation of fluorescent silicon-containing polymer dots for alkaline phosphatase activity detection and immunoassay. <i>Science China Chemistry</i> , 2020, 63, 554-560.	4.2	22
93	Electrochemically induced in-situ surface self-reconstruction on Ni, Fe, Zn ternary-metal hydroxides towards the oxygen-evolution performance. <i>Chemical Engineering Journal</i> , 2021, 410, 128331.	6.6	22
94	Zeolitic imidazolate framework-67 accelerates infected diabetic chronic wound healing. <i>Chemical Engineering Journal</i> , 2022, 430, 133091.	6.6	22
95	Real-Time Analysis of Binding Events between Different Al^{2+} Species and Human <i>Lilrb2</i> by Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2017, 89, 2606-2612.	3.2	21
96	Capillary Electrophoresis Coupled with Electrochemiluminescence for the Facile Separation and Determination of Salbutamol and Clenbuterol in Urine. <i>Electroanalysis</i> , 2012, 24, 1597-1603.	1.5	20
97	Electrochemistry and Electrochemiluminescence of Coumarin Derivative Microrods: Mechanism Insights. <i>Analytical Chemistry</i> , 2021, 93, 3461-3469.	3.2	20
98	Label-free immunosensor for cardiac troponin I detection based on aggregation-induced electrochemiluminescence of a distyrylarylene derivative. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113532.	5.3	20
99	Contrary Logic Pair Library, Parity Generator/Checker and Various Concatenated Logic Circuits Engineered by a Label-Free and Immobilization-Free Electrochemiluminescence Resonance Energy Transfer System. <i>Small</i> , 2021, 17, e2102881.	5.2	20
100	A fluorescence glucose sensor based on pH induced conformational switch of i-motif DNA. <i>Talanta</i> , 2014, 129, 539-544.	2.9	19
101	Real-Time Study of the Interaction between G-Rich DNA Oligonucleotides and Lead Ion on DNA Tetrahedron-Functionalized Sensing Platform by Dual Polarization Interferometry. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41568-41576.	4.0	19
102	An electrochemical sensor for dopamine based on poly(o-phenylenediamine) functionalized with electrochemically reduced graphene oxide. <i>RSC Advances</i> , 2014, 4, 3743-3749.	1.7	18
103	An anti-fouling aptasensor for detection of thrombin by dual polarization interferometry. <i>Chemical Communications</i> , 2015, 51, 5645-5648.	2.2	18
104	A duplex connection can further illuminate G-quadruplex/crystal violet complex. <i>Chemical Communications</i> , 2019, 55, 1911-1914.	2.2	17
105	A fluorescence turn-on biosensor utilizing silicon-containing nanoparticles: Ultra-sensitive sensing for α -glucosidase activity and screening for its potential inhibitors. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114504.	5.3	17
106	Formation and Characterization of Heteropolyacid/Polycation Multilayer Films on Gold Electrode. <i>Journal of the Electrochemical Society</i> , 2001, 148, E227.	1.3	16
107	The Modification of Screen-Printed Carbon Electrodes with Amino Group and Its Application to Construct a H_2O_2 Biosensor. <i>Electroanalysis</i> , 2004, 16, 730-735.	1.5	16
108	Optical Extinction Combined with Phase Measurements for Probing DNA~Small-Molecule Interactions Using an Evanescent Waveguide Biosensor. <i>Analytical Chemistry</i> , 2010, 82, 5455-5462.	3.2	16

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109	Cu ²⁺ enhanced chemiluminescence of carbon dots-H ₂ O ₂ system in alkaline solution. <i>Talanta</i> , 2020, 208, 120380.	2.9	16
110	An intensive and glow-type chemiluminescence of luminol-embedded, guanosine-derived hydrogel. <i>Talanta</i> , 2021, 230, 122351.	2.9	16
111	Cobalt disulfide nanowires as an effective fluorescent sensing platform for DNA detection. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2860-2863.	2.9	15
112	Determination of Propranolol by Capillary Electrophoresis with End-Column Amperometric Detection. <i>Electroanalysis</i> , 2000, 12, 535-537.	1.5	14
113	Determination of Three β -Blockers by Capillary Electrophoresis with End-Column Electrochemical Detection. <i>Electroanalysis</i> , 2000, 12, 1379-1382.	1.5	14
114	A New Kind of Potassium Sensor Based on Capacitance Measurement of Mimic Membrane. <i>Electroanalysis</i> , 2001, 13, 68-71.	1.5	14
115	Electrochemical-Based DNA Logic Devices Regulated by the Diffusion and Intercalation of Electroactive Dyes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42250-42257.	4.0	14
116	Facile colorimetric detection of glucose based on an organic Fenton reaction. <i>Analytical Methods</i> , 2011, 3, 1056.	1.3	13
117	Sulfite recognition and sensing using Au nanoparticles as colorimetric probe: a judicious combination between anionic binding sites and plasmonic nanoparticles. <i>Analytical Methods</i> , 2012, 4, 1616.	1.3	13
118	A wavelength-resolved electrochemiluminescence resonance energy transfer ratiometric immunosensor for detection of cardiac troponin I. <i>Analyst</i> , 2019, 144, 6554-6560.	1.7	13
119	Ru nanoparticles encapsulated in ZIFs-derived porous N-doped hierarchical carbon nanofibers for enhanced hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2020, 10, 7302-7308.	2.1	13
120	Identifying the Activation Mechanism and Boosting Electrocatalytic Activity of Layered Perovskite Ruthenate. <i>Small</i> , 2020, 16, e1906380.	5.2	13
121	Tuning Phase Structure of Nickel-Ruthenium Alloys via MOFs In Situ Hydrolysis toward Enhanced Hydrogen Evolution Performance in Alkaline. <i>Small Methods</i> , 2022, 6, e2101188.	4.6	13
122	Modulating the Electronic Structure by Ruthenium Doping Endows Cobalt Phosphide Nanowires with Enhanced Alkaline Hydrogen Evolution Activity. <i>ACS Applied Energy Materials</i> , 2022, 5, 697-704.	2.5	13
123	Capillary Electrophoresis with Indirect Electrochemiluminescence Detection. <i>Analytical Letters</i> , 2005, 38, 1179-1191.	1.0	12
124	Copper sulfide nanoplates as nanosensors for fast, sensitive and selective detection of DNA. <i>Talanta</i> , 2018, 178, 905-909.	2.9	12
125	Determination of benzhexol and procyclidine using an electrochemiluminescence-based sensor constructed by a screen-print technique. <i>Mikrochimica Acta</i> , 2008, 162, 211-217.	2.5	11
126	A Simple and Inexpensive Method for Fabrication of Ultramicroelectrode Array and Its Application for the Detection of Dissolved Oxygen. <i>Electroanalysis</i> , 2008, 20, 797-802.	1.5	11

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127	Electrochemical Detection of Anions on an Electrophoresis Microchip with Integrated Silver Electrode. <i>Electroanalysis</i> , 2005, 17, 1222-1226.	1.5	10
128	Immobilization of Glycosylated Enzymes on Carbon Electrodes, and its Application in Biosensors. <i>Mikrochimica Acta</i> , 2005, 150, 21-26.	2.5	10
129	Mimetic Membrane for Biosensors. <i>Analytical Letters</i> , 2005, 38, 3-18.	1.0	10
130	Bromine and nitrogen co-doped tungsten nanoarrays to enable hydrogen evolution at all pH values. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17856-17861.	5.2	10
131	Label-free Pb ²⁺ detection on the layer-by-layer platform using real-time dual polarization interferometry. <i>Talanta</i> , 2019, 202, 336-341.	2.9	9
132	Interaction between bovine serum albumin and Indo-1 using fluorescence spectroscopic method. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 105-111.	0.4	8
133	Establishment of Logic Gates Based on Conformational Changes in a Multiple-Factor Biomolecule Interaction Process by Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2019, 91, 6971-6975.	3.2	8
134	Characterization of organic-inorganic multilayer films by cyclic voltammetry, UV-Vis spectrometry, X-ray photoelectron spectroscopy, small-angle X-ray diffraction and electrochemical impedance spectroscopy. <i>Journal of Materials Chemistry</i> , 2002, 12, 1724-1729.	6.7	7
135	Electrochemiluminescence Enhancement of CdTe Quantum Dots by the Addition of Silver(I) Ions. <i>Analytical Letters</i> , 2010, 43, 2837-2847.	1.0	7
136	Novel electrochemiluminescence solid-state pH sensor based on an i-motif forming sequence and rolling circle amplification. <i>Chemical Communications</i> , 2020, 56, 8786-8789.	2.2	7
137	Tunable fluorescence emission of ternary nonstoichiometric Ag-In-S alloyed nanocrystals. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	6
138	Real-Time Analysis of Specific Binding between Apolipoprotein E Isoforms and Amyloid β -Peptide by Dual Polarization Interferometry. <i>Analytical Chemistry</i> , 2021, 93, 1472-1479.	3.2	6
139	A pH-regulated stimuli-responsive strategy for RNA-cleaving DNAzyme. <i>Science China Chemistry</i> , 2020, 63, 404-410.	4.2	5
140	Fluorescence immunoassay based on alkaline phosphatase-induced in situ generation of fluorescent non-conjugated polymer dots. <i>Chinese Chemical Letters</i> , 2023, 34, 107672.	4.8	4
141	Kinetic analysis of interaction between lipopolysaccharide and biomolecules. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 14-17.	0.4	3
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