

Zhen-Yu Lin

List of Publications by Year in descending order

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Version: 2024-02-01

350
papers

12,386
citations

20797

60
h-index

53190

85
g-index

354
all docs

354
docs citations

354
times ranked

11310
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and Adhesive Surface Enhance Raman Scattering Active Tape for Rapid Detection of Pesticide Residues in Fruits and Vegetables. <i>Analytical Chemistry</i> , 2016, 88, 2149-2155.	3.2	369
2	Metal-organic framework (MOF): a novel sensing platform for biomolecules. <i>Chemical Communications</i> , 2013, 49, 1276.	2.2	339
3	Highly Uniform Gold Nanobipyramids for Ultrasensitive Colorimetric Detection of Influenza Virus. <i>Analytical Chemistry</i> , 2017, 89, 1617-1623.	3.2	190
4	Microfluidic Distance Readout Sweet Hydrogel Integrated Paper-Based Analytical Device (1/4DiSH-PAD) for Visual Quantitative Point-of-Care Testing. <i>Analytical Chemistry</i> , 2016, 88, 2345-2352.	3.2	175
5	Surface-Enhanced Electrochemiluminescence of Ru@SiO ₂ for Ultrasensitive Detection of Carcinoembryonic Antigen. <i>Analytical Chemistry</i> , 2015, 87, 5966-5972.	3.2	156
6	Graphene Oxide Directed One-Step Synthesis of Flowerlike Graphene@HKUST-1 for Enzyme-Free Detection of Hydrogen Peroxide in Biological Samples. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32477-32487.	4.0	135
7	Target-Responsive DNA Hydrogel Mediated "Stop-Flow" Microfluidic Paper-Based Analytic Device for Rapid, Portable and Visual Detection of Multiple Targets. <i>Analytical Chemistry</i> , 2015, 87, 4275-4282.	3.2	131
8	Noble Metal Nanoparticle-Based Multicolor Immunoassays: An Approach toward Visual Quantification of the Analytes with the Naked Eye. <i>ACS Sensors</i> , 2019, 4, 782-791.	4.0	128
9	Gold Nanorods as Colorful Chromogenic Substrates for Semiquantitative Detection of Nucleic Acids, Proteins, and Small Molecules with the Naked Eye. <i>Analytical Chemistry</i> , 2016, 88, 3227-3234.	3.2	123
10	Target-Induced Horseradish Peroxidase Deactivation for Multicolor Colorimetric Assay of Hydrogen Sulfide in Rat Brain Microdialysis. <i>Analytical Chemistry</i> , 2018, 90, 6222-6228.	3.2	120
11	Highly Selective and Sensitive Electrochemiluminescence Biosensor for p53 DNA Sequence Based on Nicking Endonuclease Assisted Target Recycling and Hyperbranched Rolling Circle Amplification. <i>Analytical Chemistry</i> , 2016, 88, 5097-5103.	3.2	118
12	A universal multicolor immunosensor for semiquantitative visual detection of biomarkers with the naked eyes. <i>Biosensors and Bioelectronics</i> , 2017, 87, 122-128.	5.3	115
13	High peroxidase-like activity of iron and nitrogen co-doped carbon dots and its application in immunosorbent assay. <i>Talanta</i> , 2017, 164, 1-6.	2.9	111
14	Miniaturized electrochemical sensors and their point-of-care applications. <i>Chinese Chemical Letters</i> , 2020, 31, 589-600.	4.8	111
15	Metal-organic frameworks-based biosensor for sequence-specific recognition of double-stranded DNA. <i>Analyst</i> , 2013, 138, 3490.	1.7	109
16	Cationic Carbon Dots for Modification-Free Detection of Hyaluronidase via an Electrostatic-Controlled Ratiometric Fluorescence Assay. <i>Analytical Chemistry</i> , 2017, 89, 8384-8390.	3.2	106
17	Ultrasensitive Homogeneous Electrochemical Biosensor for DNA Species Related to Oral Cancer Based on Nicking Endonuclease Assisted Target Recycling Amplification. <i>Analytical Chemistry</i> , 2015, 87, 9204-9208.	3.2	100
18	A highly sensitive and selective "signal-on" electrochemiluminescent biosensor for mercury. <i>Chemical Communications</i> , 2010, 46, 3149.	2.2	99

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19	Colorimetric detection of microcystin-LR based on disassembly of orient-aggregated gold nanoparticle dimers. <i>Biosensors and Bioelectronics</i> , 2015, 68, 475-480.	5.3	97
20	Electrochemiluminescence biosensor for ultrasensitive determination of ochratoxin A in corn samples based on aptamer and hyperbranched rolling circle amplification. <i>Biosensors and Bioelectronics</i> , 2015, 70, 268-274.	5.3	97
21	Integration of target responsive hydrogel with cascaded enzymatic reactions and microfluidic paper-based analytic devices (A μ PADs) for point-of-care testing (POCT). <i>Biosensors and Bioelectronics</i> , 2016, 77, 537-542.	5.3	96
22	Ratiometric Fluorescent Hydrogel Test Kit for On-Spot Visual Detection of Nitrite. <i>ACS Sensors</i> , 2019, 4, 1252-1260.	4.0	94
23	Facile synthesis of Fe ₃ O ₄ /g-C ₃ N ₄ /HKUST-1 composites as a novel biosensor platform for ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2017, 92, 718-723.	5.3	93
24	Coordination mode engineering in stacked-nanosheet metal-organic frameworks to enhance catalytic reactivity and structural robustness. <i>Nature Communications</i> , 2019, 10, 2779.	5.8	89
25	An ECL biosensor for glucose based on carbon-nanotube/Nafion film modified glass carbon electrode. <i>Electrochimica Acta</i> , 2008, 53, 2396-2401.	2.6	88
26	A sensitive and specific electrochemiluminescent sensor for lead based on DNAzyme. <i>Chemical Communications</i> , 2009, , 6050.	2.2	88
27	Label-free aptamer-based electrochemical impedance biosensor for 17 β -estradiol. <i>Analyst, The</i> , 2012, 137, 819-822.	1.7	88
28	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	4.2	88
29	A sensing platform for hypoxanthine detection based on amino-functionalized metal organic framework nanosheet with peroxidase mimic and fluorescence properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 312-319.	4.0	86
30	Fluorescence biosensor for the H5N1 antibody based on a metal-organic framework platform. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1812.	2.9	85
31	Detection of aflatoxin B1 in food samples based on target-responsive aptamer-cross-linked hydrogel using a handheld pH meter as readout. <i>Talanta</i> , 2018, 176, 34-39.	2.9	85
32	Ratiometric Immunosensor for GP73 Detection Based on the Ratios of Electrochemiluminescence and Electrochemical Signal Using DNA Tetrahedral Nanostructure as the Carrier of Stable Reference Signal. <i>Analytical Chemistry</i> , 2019, 91, 3717-3724.	3.2	80
33	CEA fluorescence biosensor based on the FRET between polymer dots and Au nanoparticles. <i>Chemical Communications</i> , 2012, 48, 9918.	2.2	79
34	Sensitive Fluorescent Sensor for Hydrogen Sulfide in Rat Brain Microdialysis via CsPbBr ₃ Quantum Dots. <i>Analytical Chemistry</i> , 2019, 91, 15915-15921.	3.2	79
35	Determination of microcystin-LR in water by a label-free aptamer based electrochemical impedance biosensor. <i>Talanta</i> , 2013, 103, 371-374.	2.9	78
36	A sensitive fluorescent sensor for quantification of alpha-fetoprotein based on immunosorbent assay and click chemistry. <i>Biosensors and Bioelectronics</i> , 2016, 77, 46-50.	5.3	78

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37	Novel composites of multifunctional Fe ₃ O ₄ @Au nanofibers for highly efficient glycoprotein imprinting. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1044.	2.9	75
38	An electrochemiluminescence biosensor for Kras mutations based on locked nucleic acid functionalized DNA walkers and hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2017, 53, 2910-2913.	2.2	75
39	Multicolor biosensor for fish freshness assessment with the naked eye. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 201-208.	4.0	72
40	Label-free detection of telomerase activity in HeLa cells using electrochemical impedance spectroscopy. <i>Chemical Communications</i> , 2011, 47, 3129.	2.2	71
41	Ultrasensitive Electrochemical Biosensor for Detection of DNA from <i>Bacillus subtilis</i> by Coupling Target-Induced Strand Displacement and Nicking Endonuclease Signal Amplification. <i>Analytical Chemistry</i> , 2014, 86, 8785-8790.	3.2	71
42	Analysis of glyphosate and aminomethylphosphonic acid by capillary electrophoresis with electrochemiluminescence detection. <i>Journal of Chromatography A</i> , 2008, 1177, 195-198.	1.8	70
43	Stimulus-response mesoporous silica nanoparticle-based chemiluminescence biosensor for cocaine determination. <i>Biosensors and Bioelectronics</i> , 2016, 75, 8-14.	5.3	69
44	Highly Sensitive and Selective Photoelectrochemical Aptasensor for Cancer Biomarker CA125 Based on AuNPs/GaN Schottky Junction. <i>Analytical Chemistry</i> , 2020, 92, 10114-10120.	3.2	69
45	Mechanism for inhibition of Ru(bpy) ₃ ²⁺ /DBAE electrochemiluminescence system by dopamine. <i>Electrochemistry Communications</i> , 2009, 11, 1579-1582.	2.3	68
46	DNA Methylation Detection and Inhibitor Screening Based on the Discrimination of the Aggregation of Long and Short DNA on a Negatively Charged Indium Tin Oxide Microelectrode. <i>Analytical Chemistry</i> , 2014, 86, 3563-3567.	3.2	68
47	Application of Au based nanomaterials in analytical science. <i>Nano Today</i> , 2017, 12, 64-97.	6.2	68
48	Thermal fragmentation enhanced identification and quantification of polystyrene micro/nanoplastics in complex media. <i>Talanta</i> , 2020, 208, 120478.	2.9	68
49	Homogeneous Electrochemical Biosensor for Melamine Based on DNA Triplex Structure and Exonuclease III-Assisted Recycling Amplification. <i>Analytical Chemistry</i> , 2016, 88, 10176-10182.	3.2	67
50	Exonuclease-Catalyzed Target Recycling Amplification and Immobilization-free Electrochemical Aptasensor. <i>Analytical Chemistry</i> , 2015, 87, 11826-11831.	3.2	66
51	Multicolor Colorimetric Biosensor for the Determination of Glucose based on the Etching of Gold Nanorods. <i>Scientific Reports</i> , 2016, 6, 37879.	1.6	66
52	Microcapsule-embedded hydrogel patches for ultrasound responsive and enhanced transdermal delivery of diclofenac sodium. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2330-2337.	2.9	66
53	Ultrasensitive and selective electrochemical biosensor for detection of mercury (II) ions by nicking endonuclease-assisted target recycling and hybridization chain reaction signal amplification. <i>Biosensors and Bioelectronics</i> , 2017, 94, 19-23.	5.3	65
54	Electrochemiluminescence biosensor for miRNA-21 based on toehold-mediated strand displacement amplification with Ru(phen) ₃ ²⁺ loaded DNA nanoclews as signal tags. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111789.	5.3	65

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55	An Addressable Microelectrode Array for Electrochemical Detection. <i>Analytical Chemistry</i> , 2008, 80, 6830-6833.	3.2	64
56	A sensitive aptasensor for adenosine based on the quenching of Ru(bpy) ₃ ²⁺ -doped silica nanoparticle ECL by ferrocene. <i>Chemical Communications</i> , 2010, 46, 7751.	2.2	64
57	An electrochemiluminescent biosensor for glucose based on the electrochemiluminescence of luminol on the nafion/glucose oxidase/poly(nickel(II)tetrakisulfophthalocyanine)/multi-walled carbon nanotubes modified electrode. <i>Talanta</i> , 2009, 78, 76-80.	2.9	63
58	Determination of paralytic shellfish poisoning toxins by HILIC-MS/MS coupled with dispersive solid phase extraction. <i>Food Chemistry</i> , 2013, 137, 115-121.	4.2	63
59	Pb ²⁺ -introduced activation of horseradish peroxidase (HRP)-mimicking DNAzyme. <i>Chemical Communications</i> , 2011, 47, 7437.	2.2	62
60	An ultrasensitive electrochemical impedance sensor for a special BRCA1 breast cancer gene sequence based on lambda exonuclease assisted target recycling amplification. <i>Chemical Communications</i> , 2012, 48, 6390.	2.2	62
61	TiO ₂ /Nafion film based electrochemiluminescence for detection of dissolved oxygen. <i>Electrochemistry Communications</i> , 2008, 10, 1629-1632.	2.3	61
62	Preparation of an Efficient Ratiometric Fluorescent Nanoprobe (m-CDs@[Ru(bpy) ₃ ²⁺]) for Visual and Specific Detection of Hypochlorite on Site and in Living Cells. <i>ACS Sensors</i> , 2017, 2, 1684-1691.	4.0	61
63	Label-free ochratoxin A electrochemical aptasensor based on target-induced noncovalent assembly of peroxidase-like graphitic carbon nitride nanosheet. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 263-269.	4.0	61
64	Electrochemical Gene-Function Analysis for Single Cells with Addressable Microelectrode/Microwell Arrays. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2044-2046.	7.2	60
65	Sensitive fluorescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Chemical Communications</i> , 2012, 48, 6184.	2.2	59
66	Highly sensitive protein molecularly imprinted electro-chemical sensor based on gold microdendrites electrode and prussian blue mediated amplification. <i>Biosensors and Bioelectronics</i> , 2013, 42, 612-617.	5.3	59
67	Homogeneous electrochemical aptasensor for mucin 1 detection based on exonuclease I-assisted target recycling amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 117, 474-479.	5.3	59
68	Targets regulated formation of boron nitride quantum dots @ Gold nanoparticles nanocomposites for ultrasensitive detection of acetylcholinesterase activity and its inhibitors. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 61-68.	4.0	59
69	Surface Enhanced Electrochemiluminescence of Ru(bpy) ₃ ²⁺ . <i>Scientific Reports</i> , 2015, 5, 7954.	1.6	58
70	Structural characterization, hypoglycemic effects and mechanism of a novel polysaccharide from <i>Tetragium hemsleyanum</i> Diels et Gilg. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 775-783.	3.6	58
71	Cu ²⁺ -Modified Boron Nitride Nanosheets-Supported Subnanometer Gold Nanoparticles: An Oxidase-Mimicking Nanoenzyme with Unexpected Oxidation Properties. <i>Analytical Chemistry</i> , 2020, 92, 1236-1244.	3.2	58
72	A label-free ultrasensitive electrochemical aptameric recognition system for protein assay based on hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2013, 49, 11418.	2.2	57

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73	Determination of cocaine on banknotes through an aptamer-based electrochemiluminescence biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 289-294.	1.9	56
74	Hyperbranched rolling circle amplification based electrochemiluminescence aptasensor for ultrasensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2015, 63, 166-171.	5.3	55
75	Electrochemiluminescence Biosensor for Glucose Based on Graphene/Nafion/GOD Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2010, 22, 2347-2352.	1.5	53
76	A Simple and Convenient Aptasensor for Protein Using an Electronic Balance as a Readout. <i>Analytical Chemistry</i> , 2018, 90, 1087-1091.	3.2	53
77	Signal-on electrochemiluminescence biosensor for thrombin based on target-induced conjunction of split aptamer fragments. <i>Chemical Communications</i> , 2010, 46, 5563.	2.2	52
78	On-spot surface enhanced Raman scattering detection of Aflatoxin B1 in peanut extracts using gold nanobipyramids evenly trapped into the AAO nanoholes. <i>Food Chemistry</i> , 2020, 307, 125528.	4.2	52
79	Electrochemiluminescent Biosensor for Hypoxanthine Based on the Electrically Heated Carbon Paste Electrode Modified with Xanthine Oxidase. <i>Analytical Chemistry</i> , 2008, 80, 2826-2831.	3.2	51
80	Emission Wavelength Switchable Carbon Dots Combined with Biomimetic Inorganic Nanozymes for a Two-Photon Fluorescence Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30085-30094.	4.0	51
81	Fluorometric Method for Inorganic Pyrophosphatase Activity Detection and Inhibitor Screening Based on Click Chemistry. <i>Analytical Chemistry</i> , 2015, 87, 816-820.	3.2	50
82	Disassembly of gold nanoparticle dimers for colorimetric detection of ochratoxin A. <i>Analytical Methods</i> , 2015, 7, 842-845.	1.3	50
83	Polysaccharides from <i>Tetrastigma hemsleyanum</i> Diels et Gilg: Extraction optimization, structural characterizations, antioxidant and antihyperlipidemic activities in hyperlipidemic mice. <i>International Journal of Biological Macromolecules</i> , 2019, 125, 1033-1041.	3.6	50
84	Aptamer-based portable biosensor for platelet-derived growth factor-BB (PDGF-BB) with personal glucose meter readout. <i>Biosensors and Bioelectronics</i> , 2014, 55, 412-416.	5.3	49
85	Electrochemical impedance spectroscopy sensor for ascorbic acid based on copper(I) catalyzed click chemistry. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4326-4330.	5.3	48
86	Highly sensitive fluorescent immunosensor for detection of influenza virus based on Ag autocatalysis. <i>Biosensors and Bioelectronics</i> , 2014, 54, 358-364.	5.3	48
87	An ultrasensitive colorimeter assay strategy for p53 mutation assisted by nicking endonuclease signal amplification. <i>Chemical Communications</i> , 2011, 47, 9069.	2.2	47
88	A fluorescent probe for detection of histidine in cellular homogenate and ovalbumin based on the strategy of clickchemistry. <i>Biosensors and Bioelectronics</i> , 2013, 42, 332-336.	5.3	47
89	Homogeneous and label-free electrochemiluminescence aptasensor based on the difference of electrostatic interaction and exonuclease-assisted target recycling amplification. <i>Biosensors and Bioelectronics</i> , 2018, 105, 182-187.	5.3	47
90	Determination of carbamates in nature water based on the enhancement of electrochemiluminescent of Ru(bpy) ₃ ²⁺ at the multi-wall carbon nanotube-modified electrode. <i>Talanta</i> , 2006, 70, 111-115.	2.9	46

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91	New capillary electrophoresis-electrochemiluminescence detection system equipped with an electrically heated Ru(bpy) ₃ ²⁺ /multi-wall-carbon-nanotube paste electrode. <i>Journal of Chromatography A</i> , 2007, 1172, 84-91.	1.8	46
92	Fluorescence sensor for Cu(II) in the serum sample based on click chemistry. <i>Analyst, The</i> , 2014, 139, 656-659.	1.7	46
93	Stimulus-response click chemistry based aptamer-functionalized mesoporous silica nanoparticles for fluorescence detection of thrombin. <i>Talanta</i> , 2018, 178, 563-568.	2.9	45
94	Highly Sensitive and Selective Photoelectrochemical Aptasensors for Cancer Biomarkers Based on MoS ₂ /Au/GaN Photoelectrodes. <i>Analytical Chemistry</i> , 2021, 93, 7341-7347.	3.2	45
95	A new electrochemiluminescent detection system equipped with an electrically controlled heating cylindrical microelectrode. <i>Analytica Chimica Acta</i> , 2006, 564, 226-230.	2.6	44
96	Highly sensitive colorimetric aptasensor for ochratoxin A detection based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2018, 1002, 90-96.	2.6	44
97	Development of ultra-high sensitive and selective electrochemiluminescent sensor for copper(II) ions: a novel strategy for modification of gold electrode using click chemistry. <i>Analyst, The</i> , 2011, 136, 1580.	1.7	43
98	Highly sensitive electrochemical immunoassay for H1N1 influenza virus based on copper-mediated amplification. <i>Chemical Communications</i> , 2012, 48, 6562.	2.2	43
99	Surface Enhanced Electrochemiluminescence for Ultrasensitive Detection of Hg ²⁺ . <i>Electrochimica Acta</i> , 2014, 150, 123-128.	2.6	43
100	Interesting optical variations of the etching of Au Nanobipyramid@Ag Nanorods and its application as a colorful chromogenic substrate for immunoassays. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 502-509.	4.0	43
101	Enzyme-free multicolor biosensor based on Cu ²⁺ -modified carbon nitride nanosheets and gold nanobipyramids for sensitive detection of neuron specific enolase. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 138-145.	4.0	43
102	Boron nitride nanosheets as a platform for fluorescence sensing. <i>Talanta</i> , 2017, 174, 365-371.	2.9	42
103	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 835-860.	3.2	42
104	Signal-on electrochemiluminescence aptasensor for bisphosphonate based on hybridization chain reaction and electrically heated electrode. <i>Biosensors and Bioelectronics</i> , 2019, 129, 36-41.	3.3	42
105	Signal-on electrochemiluminescent biosensor for ATP based on the recombination of aptamer chip. <i>Chemical Communications</i> , 2011, 47, 8064.	2.2	41
106	An aptamer-based fluorescence biosensor for multiplex detection using unmodified gold nanoparticles. <i>Chemical Communications</i> , 2012, 48, 6387.	2.2	41
107	Highly selective colorimetric bacteria sensing based on protein-capped nanoparticles. <i>Analyst, The</i> , 2015, 140, 1149-1154.	1.7	41
108	G-quadruplex DNAzyme as the turn on switch for fluorimetric detection of genetically modified organisms. <i>Chemical Communications</i> , 2011, 47, 1437-1439.	2.2	40

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109	Antibacterial mechanism of <i>Tetrastigma hemsleyanum</i> Diels et Gilg's polysaccharides by metabolomics based on HPLC/MS. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 206-215.	3.6	40
110	From signal amplification to restrained background: Magnetic graphene oxide assisted homogeneous electrochemiluminescence aptasensor for highly sensitive detection of okadaic acid. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128872.	4.0	40
111	Sensitive and portable detection of telomerase activity in HeLa cells using the personal glucose meter. <i>Chemical Communications</i> , 2014, 50, 7897.	2.2	38
112	Highly sensitive colorimetric immunosensor for influenza virus H5N1 based on enzyme-encapsulated liposome. <i>Analytica Chimica Acta</i> , 2017, 963, 112-118.	2.6	38
113	Highly sensitive antibody-aptamer sensor for vascular endothelial growth factor based on hybridization chain reaction and pH meter/indicator. <i>Talanta</i> , 2017, 175, 177-182.	2.9	38
114	Electrochemical biosensor for epidermal growth factor receptor detection with peptide ligand. <i>Electrochimica Acta</i> , 2013, 109, 233-237.	2.6	37
115	Highly sensitive visual detection of Avian Influenza A (H7N9) virus based on the enzyme-induced metallization. <i>Biosensors and Bioelectronics</i> , 2016, 79, 874-880.	5.3	37
116	Sensing of Hydrogen Sulfide Gas in the Raman-Silent Region Based on Gold Nano-Bipyramids (Au NBPs) Encapsulated by Zeolitic Imidazolate Framework-8. <i>ACS Sensors</i> , 2020, 5, 3964-3970.	4.0	37
117	Hybridizing Silver Nanoparticles in Hydrogel for High-Performance Flexible SERS Chips. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26216-26224.	4.0	37
118	Adsorption removal of crystal violet from aqueous solution using a metal-organic frameworks material, copper coordination polymer with dithiooxamide. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2857-2864.	1.3	36
119	Multicolor ELISA based on alkaline phosphatase-triggered growth of Au nanorods. <i>Analyst</i> , 2016, 141, 2970-2976.	1.7	36
120	Electrochemiluminescence biosensor for folate receptor based on terminal protection of small-molecule-linked DNA. <i>Biosensors and Bioelectronics</i> , 2014, 58, 226-231.	5.3	35
121	Dual-color plasmonic enzyme-linked immunosorbent assay based on enzyme-mediated etching of Au nanoparticles. <i>Scientific Reports</i> , 2016, 6, 32755.	1.6	35
122	Sensitive Hyaluronidase Biosensor Based on Target-Responsive Hydrogel Using Electronic Balance as Readout. <i>Analytical Chemistry</i> , 2019, 91, 11821-11826.	3.2	35
123	Label-free homogeneous electrochemical biosensor for HPV DNA based on entropy-driven target recycling and hyperbranched rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128407.	4.0	35
124	Highly Reproducible and Sensitive Electrochemiluminescence Biosensors for HPV Detection Based on Bovine Serum Albumin Carrier Platforms and Hyperbranched Rolling Circle Amplification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 298-305.	4.0	35
125	Enhanced electrochemiluminescent of lucigenin at an electrically heated cylindrical microelectrode. <i>Electrochemistry Communications</i> , 2007, 9, 269-274.	2.3	34
126	Determination of copper(II) in the dairy product by an electrochemical sensor based on click chemistry. <i>Analytica Chimica Acta</i> , 2011, 707, 57-61.	2.6	34

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127	Hyperbranched rolling circle amplification (HRCA)-based fluorescence biosensor for ultrasensitive and specific detection of single-nucleotide polymorphism genotyping associated with the therapy of chronic hepatitis B virus infection. <i>Talanta</i> , 2019, 191, 277-282.	2.9	34
128	A new electrochemiluminescent detection system equipped with an electrically heated carbon paste electrode for CE. <i>Electrophoresis</i> , 2007, 28, 3250-3259.	1.3	33
129	Sensitive detection of telomerase activity in cancer cells using portable pH meter as readout. <i>Biosensors and Bioelectronics</i> , 2018, 121, 153-158.	5.3	33
130	Ultrasensitive Homogeneous Electrochemiluminescence Biosensor for a Transcription Factor Based on Target-Modulated Proximity Hybridization and Exonuclease III-Powered Recycling Amplification. <i>Analytical Chemistry</i> , 2020, 92, 12686-12692.	3.2	33
131	Internal Exposure and Distribution of Airborne Fine Particles in the Human Body: Methodology, Current Understandings, and Research Needs. <i>Environmental Science & Technology</i> , 2022, 56, 6857-6869.	4.6	33
132	An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2013, 49, 10115.	2.2	32
133	A novel fluorescent sensor for mutational p53 DNA sequence detection based on click chemistry. <i>Biosensors and Bioelectronics</i> , 2013, 41, 403-408.	5.3	32
134	Signal on fluorescence biosensor for MMP-2 based on FRET between semiconducting polymer dots and a metal organic framework. <i>RSC Advances</i> , 2014, 4, 58852-58857.	1.7	32
135	Magnetic graphene oxide-based electrochemiluminescent aptasensor for thrombin. <i>Electrochimica Acta</i> , 2013, 89, 13-17.	2.6	31
136	Molecularly imprinted fluorescent and colorimetric sensor based on TiO ₂ @Cu(OH) ₂ nanoparticle autocatalysis for protein recognition. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1256.	2.9	31
137	Immobilization free electrochemical biosensor for folate receptor in cancer cells based on terminal protection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 496-501.	5.3	31
138	Enzyme-free fluorescent biosensor for miRNA-21 detection based on MnO ₂ nanosheets and catalytic hairpin assembly amplification. <i>Analytical Methods</i> , 2016, 8, 8492-8497.	1.3	31
139	An electrically heated ionic-liquid/multi-wall carbon nanotube composite electrode and its application to electrochemiluminescent detection of ascorbic acid. <i>Electrochemistry Communications</i> , 2009, 11, 1142-1145.	2.3	30
140	Nitrogen-doped hierarchical carbon spheres derived from MnO ₂ -templated spherical polypyrrole as excellent high rate anode of Li-ion batteries. <i>Electrochimica Acta</i> , 2017, 245, 279-286.	2.6	30
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272	A signal-on fluorescence biosensor for detection of adenosine triphosphate based on click chemistry. <i>Analytical Methods</i> , 2014, 6, 3370-3374.	1.3	10
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275	Fluorescence biosensor for inorganic pyrophosphatase activity. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 999-1005.	1.9	10
276	Metabolomic analysis of antimicrobial mechanism of polysaccharides from <i>Sparassis crispa</i> based on HPLC-Q-TOF/MS. <i>Carbohydrate Research</i> , 2021, 503, 108299.	1.1	10
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