

Wei Chen

List of Publications by Year in descending order

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184
papers

8,339
citations

41627

51
h-index

68831

81
g-index

185
all docs

185
docs citations

185
times ranked

9168
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical monitoring the effect of drug intervention on PC12 cell damage model cultured on paper-PLA 3D printed device. <i>Analytica Chimica Acta</i> , 2022, 1194, 339409.	2.6	4
2	Cucurbit[5]uril Supramolecular Assemblies-Regulated Charge Transfer for Luminescence Switching of Gold Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 419-426.	2.1	12
3	Ultrasensitive Glutathione-Mediated Facile Split-Type Electrochemiluminescence Nanoswitch Sensing Platform. <i>Analytical Chemistry</i> , 2022, 94, 2341-2347.	3.2	16
4	Immunofluorescent-aggregation assay based on anti-Salmonella typhimurium IgG-AuNCs, for rapid detection of Salmonella typhimurium. <i>Mikrochimica Acta</i> , 2022, 189, 160.	2.5	7
5	6-Aza-2-thio-thymine-gold nanoclusters: an excellent candidate in the photoelectrochemical field. <i>Chemical Communications</i> , 2022, 58, 6219-6222.	2.2	4
6	Antenna effect of pyridoxal phosphate on the fluorescence of mitoxantrone-silicon nanoparticles and its application in alkaline phosphatase assay. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4877-4884.	1.9	1
7	Gold Nanocluster-Based Fluorometric Doxorubicin Assay Enabled by Photoinduced Electron Transfer. <i>Nanomaterials</i> , 2022, 12, 1861.	1.9	0
8	Deep Learning-Based Sensor Array: 3D Fluorescence Spectra of Gold Nanoclusters for Qualitative and Quantitative Analysis of Vitamin B ₆ Derivatives. <i>Analytical Chemistry</i> , 2022, 94, 9287-9296.	3.2	13
9	Fructose oxidase-like activity of CuO nanoparticles supported by phosphate for a tandem catalysis-based fructose sensor. <i>Analytica Chimica Acta</i> , 2022, 1220, 340064.	2.6	9
10	Integrated paper-based 3D platform for long-term cell culture and in situ cell viability monitoring of Alzheimer's disease cell model. <i>Talanta</i> , 2021, 223, 121738.	2.9	7
11	Photomodulation of Caged RNA Oligonucleotide Functions in Living Systems. <i>ChemPhotoChem</i> , 2021, 5, 12-21.	1.5	7
12	Single gold nanocluster probe-based fluorescent sensor array for heavy metal ion discrimination. <i>Journal of Hazardous Materials</i> , 2021, 405, 124259.	6.5	43
13	Engineering of oxygen vacancies regulated core-shell N-doped carbon@NiFe ₂ O ₄ nanospheres: A superior bifunctional electrocatalyst for boosting the kinetics of oxygen and hydrogen evolution reactions. <i>Chemical Engineering Journal</i> , 2021, 405, 126732.	6.6	46
14	Size-focusing results in highly photoluminescent sulfur quantum dots with a stable emission wavelength. <i>Nanoscale</i> , 2021, 13, 2519-2526.	2.8	35
15	Regulating Valence States of Gold Nanocluster as a New Strategy for the Ultrasensitive Electrochemiluminescence Detection of Kanamycin. <i>Analytical Chemistry</i> , 2021, 93, 4635-4640.	3.2	45
16	Detection of tetanus toxoid with fluorescent tetanus human IgG-AuNC-based immunochromatography test strip. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112977.	5.3	14
17	A facile approach for fabrication of three-dimensional platinum-nanoporous gold film and its application for sensitive detection of microRNA-126 combining with catalytic hairpin assembly reaction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115109.	1.9	11
18	Split-type electrochemiluminescent gene assay platform based on gold nanocluster probe for human papillomavirus diagnosis. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113044.	5.3	19

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19	Boron carbon oxyphosphide heterostructured nanodots with phosphate tunable emission for switchable dual detection channels of 6-mercaptopurine assay. <i>Talanta</i> , 2021, 226, 122067.	2.9	9
20	Rational construction of N,S-doped carbon wrapped MnFe ₂ O ₄ nanospheres with copious oxygen deficiency as extremely efficient and robust electrocatalyst for urea electrocatalysis. <i>Journal of Power Sources</i> , 2021, 494, 229757.	4.0	14
21	Tunable Dual-Effector Allosteric System for Nucleic Acid Analysis with Enhanced Sensitivity and an Extended Dynamic Range. <i>Analytical Chemistry</i> , 2021, 93, 8170-8177.	3.2	7
22	Highly Conductive Ligand-Free Cs ₂ PtBr ₆ Perovskite Nanocrystals with a Narrow Bandgap and Efficient Photoelectrochemical Performance. <i>Small</i> , 2021, 17, e2102149.	5.2	11
23	Electrochemiluminescence Immunoassay Platform with Immunoglobulin G-Encapsulated Gold Nanoclusters as a "Two-In-One" Probe. <i>Analytical Chemistry</i> , 2021, 93, 13022-13028.	3.2	18
24	Protein-Assisted Osmium Nanoclusters with Intrinsic Peroxidase-like Activity and Extrinsic Antifouling Behavior. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44541-44548.	4.0	13
25	Bifunctional cupric oxide nanoparticle-catalyzed self-cascade oxidation reactions of ascorbic acid for bacterial killing and wound disinfection. <i>Composites Part B: Engineering</i> , 2021, 222, 109074.	5.9	21
26	Acetaminophen sensor based on the oxidase-like activity and interference self-elimination ability of chondroitin sulfate-modified platinum nanozyme. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130627.	4.0	25
27	Rare-Earth Eu ³⁺ /Gold Nanocluster Ensemble-Based Fluorescent Photoinduced Electron Transfer Sensor for Biomarker Dipicolinic Acid Detection. <i>Langmuir</i> , 2021, 37, 949-956.	1.6	21
28	Dual-probe fluorescent biosensor based on T7 exonuclease-assisted target recycling amplification for simultaneous sensitive detection of microRNA-21 and microRNA-155. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1605-1614.	1.9	22
29	Bell-Shaped Electron Transfer Kinetics in Gold Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 876-883.	2.1	14
30	A peroxidase-like activity-based colorimetric sensor array of noble metal nanozymes to discriminate heavy metal ions. <i>Analyst</i> , 2021, 147, 101-108.	1.7	22
31	A Simple Colorimetric Assay for Sensitive Cu ²⁺ Detection Based on the Glutathione-Mediated Etching of MnO ₂ Nanosheets. <i>Frontiers in Chemistry</i> , 2021, 9, 812503.	1.8	5
32	Dual Enhancement of Gold Nanocluster Electrochemiluminescence: Electrocatalytic Excitation and Aggregation-Induced Emission. <i>Angewandte Chemie</i> , 2020, 132, 10068-10071.	1.6	8
33	Dual Enhancement of Gold Nanocluster Electrochemiluminescence: Electrocatalytic Excitation and Aggregation-Induced Emission. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9982-9985.	7.2	143
34	Ascorbate Oxidase Mimetic Activity of Copper(II) Oxide Nanoparticles. <i>ChemBioChem</i> , 2020, 21, 978-984.	1.3	32
35	Heparin-platinum nanozymes with enhanced oxidase-like activity for the colorimetric sensing of isoniazid. <i>Talanta</i> , 2020, 211, 120707.	2.9	40
36	Rational Design of High-Performance Donor-Linker-Acceptor Hybrids Using a Schiff Base for Enabling Photoinduced Electron Transfer. <i>Analytical Chemistry</i> , 2020, 92, 2019-2026.	3.2	54

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37	One-pot ultrasonic synthesis of multifunctional Au nanoparticle-ferrocene-WS2 nanosheet composite for the construction of an electrochemical biosensing platform. <i>Analytica Chimica Acta</i> , 2020, 1099, 52-59.	2.6	18
38	A Heparinase Sensor Based on a Ternary System of Hg ²⁺ –“Heparin”–Osmium Nanoparticles. <i>Analytical Chemistry</i> , 2020, 92, 1635-1642.	3.2	37
39	Highly sensitive colorimetric sensor for detection of iodine ions using carboxylated chitosan–coated palladium nanozyme. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 499-506.	1.9	38
40	Fluorescent gold nanocluster-based sensor for detection of alkaline phosphatase in human osteosarcoma cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117875.	2.0	20
41	Detection of Epidermal Growth Factor Receptor Gene Status <i>via</i> a DNA Electrochemical Biosensor Based on Lambda Exonuclease-assisted Signal Amplification. <i>Analytical Sciences</i> , 2020, 36, 697-702.	0.8	7
42	Multimerized self-assembled caged two-in-one siRNA nanoparticles for photomodulation of RNAi-induced gene silencing. <i>Chemical Science</i> , 2020, 11, 12289-12297.	3.7	5
43	Gold nanoclusters/graphene quantum dots complex-based dual-emitting ratiometric fluorescence probe for the determination of glucose. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113480.	1.4	18
44	Mechanistic Insight into a Novel Ultrasensitive Nicotine Assay Base on High-Efficiency Quenching of Gold Nanocluster Cathodic Electrochemiluminescence. <i>Analytical Chemistry</i> , 2020, 92, 11438-11443.	3.2	12
45	Osmium nanozyme as peroxidase mimic with high performance and negligible interference of O ₂ . <i>Journal of Materials Chemistry A</i> , 2020, 8, 25226-25234.	5.2	44
46	Bimetallic AgAu decorated MWCNTs enable robust nonenzyme electrochemical sensors for in-situ quantification of dopamine and H ₂ O ₂ biomarkers expelled from PC-12 cells. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114554.	1.9	15
47	Sodium Alginate Modified Platinum Nanozymes With Highly Efficient and Robust Oxidase-Like Activity for Antioxidant Capacity and Analysis of Proanthocyanidins. <i>Frontiers in Chemistry</i> , 2020, 8, 654.	1.8	10
48	A facile route for constructing Cu–Ni–C peroxidase mimics. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8599-8606.	2.9	31
49	Oxygen vacancy confined nickel cobaltite nanostructures as an excellent interface for the enzyme-free electrochemical sensing of extracellular H ₂ O ₂ secreted from live cells. <i>New Journal of Chemistry</i> , 2020, 44, 14050-14059.	1.4	21
50	Decisive role of pH in synthesis of high purity fluorescent BSA-Au ₂₀ nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118520.	2.0	4
51	Defects engineered 2D ultrathin cobalt hydroxide nanosheets as highly efficient electrocatalyst for non-enzymatic electrochemical sensing of glucose and L-cysteine. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128374.	4.0	48
52	Protein-Supported RuO ₂ Nanoparticles with Improved Catalytic Activity, In Vitro Salt Resistance, and Biocompatibility: Colorimetric and Electrochemical Biosensing of Cellular H ₂ O ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 14876-14883.	4.0	37
53	Schiff base and Lewis acid-base interaction-regulated aggregation/dispersion of gold nanoparticles for colorimetric recognition of rare-earth Sc ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127925.	4.0	14
54	Solid-state thiolate-stabilized copper nanoclusters with ultrahigh photoluminescence quantum yield for white light-emitting devices. <i>Nanoscale</i> , 2020, 12, 15791-15799.	2.8	28

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55	One-pot cascade catalysis at neutral pH driven by CuO tandem nanozyme for ascorbic acid and alkaline phosphatase detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128511.	4.0	41
56	Sensitive and selective nitrite assay based on fluorescent gold nanoclusters and Fe ²⁺ /Fe ³⁺ redox reaction. <i>Food Chemistry</i> , 2020, 317, 126456.	4.2	20
57	6-Aza-2-Thio-Thymine Stabilized Gold Nanoclusters as Photoluminescent Probe for Protein Detection. <i>Nanomaterials</i> , 2020, 10, 281.	1.9	11
58	Colorimetric acid phosphatase sensor based on MoO ₃ nanozyme. <i>Analytica Chimica Acta</i> , 2020, 1105, 162-168.	2.6	66
59	Cathodic electrochemiluminescence performance of all-inorganic perovskite CsPbBr ₃ nanocrystals in an aqueous medium. <i>Electrochemistry Communications</i> , 2020, 111, 106667.	2.3	15
60	Platinum group element-based nanozymes for biomedical applications: An overview. <i>Biomedical Materials (Bristol)</i> , 2020, , .	1.7	7
61	Gold nanoparticle-based colorimetric and electrochemical sensors for the detection of illegal food additives. <i>Journal of Food and Drug Analysis</i> , 2020, 28, 642-654.	0.9	7
62	Immunoglobulin G-Encapsulated Gold Nanoclusters as Fluorescent Tags for Dot-Blot Immunoassays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31729-31734.	4.0	36
63	Pre-oxidation of Gold Nanoclusters Results in a 66% Anodic Electrochemiluminescence Yield and Drives Mechanistic Insights. <i>Angewandte Chemie</i> , 2019, 131, 11817-11820.	1.6	19
64	A multiple signal amplification electrochemical biosensors based on target DNA recycling for detection of the EGFR mutation status in lung cancer patients. <i>Journal of Electroanalytical Chemistry</i> , 2019, 853, 113555.	1.9	6
65	Improved enzymatic assay for hydrogen peroxide and glucose by exploiting the enzyme-mimicking properties of BSA-coated platinum nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 778.	2.5	29
66	Regulation of metal ion selectivity of fluorescent gold nanoclusters by metallophilic interactions. <i>Analytica Chimica Acta</i> , 2019, 1088, 116-122.	2.6	21
67	Dynamic split G-quadruplex programmed reversible nanodevice. <i>Chemical Communications</i> , 2019, 55, 389-392.	2.2	17
68	A Fluorescence Inner-Filter Effect Based Sensing Platform for Turn-On Detection of Glutathione in Human Serum. <i>Sensors</i> , 2019, 19, 228.	2.1	10
69	Versatile High-Performance Electrochemiluminescence ELISA Platform Based on a Gold Nanocluster Probe. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24812-24819.	4.0	64
70	Pre-oxidation of Gold Nanoclusters Results in a 66% Anodic Electrochemiluminescence Yield and Drives Mechanistic Insights. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11691-11694.	7.2	128
71	Target-triggered inhibiting oxidase-mimicking activity of platinum nanoparticles for ultrasensitive colorimetric detection of silver ion. <i>Chinese Chemical Letters</i> , 2019, 30, 1659-1662.	4.8	33
72	Gold nanocluster-based fluorescence turn-off probe for sensing of doxorubicin by photoinduced electron transfer. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126656.	4.0	62

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73	Improving quantitative control and homogeneous distribution of samples on paper-based analytical devices via drop-on-demand inkjet printing. <i>Analyst</i> , The, 2019, 144, 4013-4023.	1.7	3
74	A smartphone-assisted pressure-measuring-based diagnosis system for acute myocardial infarction diagnosis. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2451-2464.	3.3	6
75	Nanoporous gold electrode prepared from two-step square wave voltammetry (SWV) and its application for electrochemical DNA biosensing of lung resistance related protein (LRP) gene. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 165-173.	1.9	14
76	Colorimetric tyrosinase assay based on catechol inhibition of the oxidase-mimicking activity of chitosan-stabilized platinum nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 301.	2.5	23
77	Ultrasensitive Electrochemical Biosensor Developed by Probe Lengthening for Detection of Genomic DNA in Human Serum. <i>Analytical Chemistry</i> , 2019, 91, 4552-4558.	3.2	33
78	A colorimetric assay for sensitive detection of hydrogen peroxide and glucose in microfluidic paper-based analytical devices integrated with starch-iodide-gelatin system. <i>Talanta</i> , 2019, 200, 511-517.	2.9	58
79	Programming a split G-quadruplex in a DNA nanocage and its microRNA imaging in live cells. <i>Chemical Communications</i> , 2019, 55, 5131-5134.	2.2	7
80	Facile electrochemiluminescence sensing platform based on water-soluble tungsten oxide quantum dots for ultrasensitive detection of dopamine released by cells. <i>Analytica Chimica Acta</i> , 2019, 1065, 21-28.	2.6	19
81	Redox Recycling-Triggered Peroxidase-Like Activity Enhancement of Bare Gold Nanoparticles for Ultrasensitive Colorimetric Detection of Rare-Earth Ce ³⁺ Ion. <i>Analytical Chemistry</i> , 2019, 91, 4039-4046.	3.2	80
82	Electrochemiluminescent immunoassay for the lung cancer biomarker CYFRA21-1 using MoOx quantum dots. <i>Mikrochimica Acta</i> , 2019, 186, 855.	2.5	17
83	Self-Referenced Ratiometric Detection of Sulfatase Activity with Dual-Emissive Urease-Encapsulated Gold Nanoclusters. <i>ACS Sensors</i> , 2019, 4, 344-352.	4.0	45
84	Facile and highly sensitive photoelectrochemical biosensing platform based on hierarchical architected polydopamine/tungsten oxide nanocomposite film. <i>Biosensors and Bioelectronics</i> , 2019, 126, 1-6.	5.3	46
85	An electrochemical biosensor for sensitive detection of nicotine-induced dopamine secreted by PC12 cells. <i>Journal of Electroanalytical Chemistry</i> , 2019, 832, 217-224.	1.9	13
86	An ammonia-based etchant for attaining copper nanoclusters with green fluorescence emission. <i>Nanoscale</i> , 2018, 10, 6467-6473.	2.8	62
87	Preliminary Quality Criteria of Citrate-Protected Gold Nanoparticles for Medicinal Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 2120-2128.	2.4	12
88	Gold Nanoparticle-Based Photoluminescent Nanoswitch Controlled by Host-Guest Recognition and Enzymatic Hydrolysis for Arginase Activity Assay. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5358-5364.	4.0	29
89	Facile electrochemiluminescence sensing platform based on high-quantum-yield gold nanocluster probe for ultrasensitive glutathione detection. <i>Biosensors and Bioelectronics</i> , 2018, 105, 71-76.	5.3	74
90	Ultrasensitive colorimetric determination of silver(I) based on the peroxidase mimicking activity of a hybrid material composed of graphitic carbon nitride and platinum nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 273.	2.5	30

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91	Genotyping of common EGFR mutations in lung cancer patients by electrochemical biosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 176-182.	1.4	15
92	A DNA electrochemical biosensor based on homogeneous hybridization for the determination of <i>Cryptococcus neoformans</i> . <i>Journal of Electroanalytical Chemistry</i> , 2018, 827, 27-33.	1.9	8
93	Fabrication of ultra-small monolayer graphene quantum dots by pyrolysis of trisodium citrate for fluorescent cell imaging. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4807-4815.	3.3	73
94	Preparation of strongly fluorescent water-soluble dithiothreitol modified gold nanoclusters coated with carboxychitosan, and their application to fluorometric determination of the immunosuppressive 6-mercaptopurine. <i>Mikrochimica Acta</i> , 2018, 185, 400.	2.5	15
95	Fabrication of Water-Soluble, Green-Emitting Gold Nanoclusters with a 65% Photoluminescence Quantum Yield via Host-Guest Recognition. <i>Chemistry of Materials</i> , 2017, 29, 1362-1369.	3.2	209
96	Valence States Effect on Electrogenenerated Chemiluminescence of Gold Nanocluster. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14929-14934.	4.0	60
97	Self-cascade reaction catalyzed by CuO nanoparticle-based dual-functional enzyme mimics. <i>Biosensors and Bioelectronics</i> , 2017, 97, 21-25.	5.3	91
98	Chitosan-stabilized platinum nanoparticles as effective oxidase mimics for colorimetric detection of acid phosphatase. <i>Nanoscale</i> , 2017, 9, 10292-10300.	2.8	187
99	Bimetallic Bi/Pt peroxidase mimic and its bioanalytical applications. <i>Analytica Chimica Acta</i> , 2017, 971, 88-96.	2.6	28
100	Electrochemiluminescence sensor based on methionine-modified gold nanoclusters for highly sensitive determination of dopamine released by cells. <i>Mikrochimica Acta</i> , 2017, 184, 735-743.	2.5	45
101	Magnetic electrochemiluminescent immunoassay with quantum dots label for highly efficient detection of the tumor marker α -fetoprotein. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 8-13.	1.9	23
102	B/C genotyping of hepatitis B virus based on dual-probe electrochemical biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 75-79.	1.9	12
103	Highly sensitive and rapid colorimetric sensing platform based on water-soluble WO ₃ quantum dots with intrinsic peroxidase-like activity. <i>Analytica Chimica Acta</i> , 2017, 992, 128-134.	2.6	22
104	Alkaline peroxidase activity of cupric oxide nanoparticles and its modulation by ammonia. <i>Analyst</i> , The, 2017, 142, 3986-3992.	1.7	21
105	Colorimetric glutathione assay based on the peroxidase-like activity of a nanocomposite consisting of platinum nanoparticles and graphene oxide. <i>Mikrochimica Acta</i> , 2017, 184, 3945-3951.	2.5	32
106	Co ₄ N Nanowires: Noble-Metal-Free Peroxidase Mimetic with Excellent Salt- and Temperature-Resistant Abilities. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29881-29888.	4.0	86
107	Electrochemical DNA biosensor based on grafting-to mode of terminal deoxynucleoside transferase-mediated extension. <i>Biosensors and Bioelectronics</i> , 2017, 98, 345-349.	5.3	13
108	Peroxidase-like activity of nanocrystalline cobalt selenide and its application for uric acid detection. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3295-3302.	3.3	20

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109	Label-free, resettable, and multi-readout logic gates based on chemically induced fluorescence switching of gold nanoclusters. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7141-7147.	2.7	14
110	Water-soluble gold nanoclusters prepared by protein-ligand interaction as fluorescent probe for real-time assay of pyrophosphatase activity. <i>Biosensors and Bioelectronics</i> , 2016, 83, 1-8.	5.3	67
111	Fabrication and multifunctional properties of ultrasmall water-soluble tungsten oxide quantum dots. <i>Chemical Communications</i> , 2016, 52, 9534-9537.	2.2	27
112	Partially reduced graphene oxide as highly efficient DNA nanoprobe. <i>Biosensors and Bioelectronics</i> , 2016, 80, 140-145.	5.3	28
113	One-pot green synthesis of mussel-inspired myoglobin-gold nanoparticles-polydopamine-graphene polymeric bionanocomposite for biosensor application. <i>Journal of Electroanalytical Chemistry</i> , 2016, 764, 104-109.	1.9	18
114	Colorimetric detection of urea, urease, and urease inhibitor based on the peroxidase-like activity of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2016, 915, 74-80.	2.6	113
115	Detection EGFR exon 19 status of lung cancer patients by DNA electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2016, 80, 411-417.	5.3	47
116	Ratiometric electrochemical immunoassay based on internal reference value for reproducible and sensitive detection of tumor marker. <i>Biosensors and Bioelectronics</i> , 2016, 81, 173-180.	5.3	67
117	Platinum nanoparticles/graphene-oxide hybrid with excellent peroxidase-like activity and its application for cysteine detection. <i>Analyst, The</i> , 2015, 140, 5251-5256.	1.7	95
118	Dual-probe electrochemical DNA biosensor based on the λ -C ₆₀ -junction structure and restriction endonuclease assisted cyclic enzymatic amplification for detection of double-strand DNA of PML/RAR α related fusion gene. <i>Biosensors and Bioelectronics</i> , 2015, 71, 463-469.	5.3	29
119	Determination of tannic acid based on luminol chemiluminescence catalyzed by cupric oxide nanoparticles. <i>Analytical Methods</i> , 2015, 7, 1924-1928.	1.3	36
120	A colorimetric Boolean INHIBIT logic gate for the determination of sulfide based on citrate-capped gold nanoparticles. <i>RSC Advances</i> , 2015, 5, 58574-58579.	1.7	14
121	A unique turn-off fluorescent strategy for sensing dopamine based on formed polydopamine (pDA) using graphene quantum dots (GQDs) as fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 7-14.	4.0	92
122	pH-Sensitive gold nanoclusters: preparation and analytical applications for urea, urease, and urease inhibitor detection. <i>Chemical Communications</i> , 2015, 51, 7847-7850.	2.2	88
123	Fenton reaction-mediated fluorescence quenching of N-acetyl-L-cysteine-protected gold nanoclusters: analytical applications of hydrogen peroxide, glucose, and catalase detection. <i>Analyst, The</i> , 2015, 140, 7650-7656.	1.7	43
124	Methionine-directed fabrication of gold nanoclusters with yellow fluorescent emission for Cu ²⁺ sensing. <i>Biosensors and Bioelectronics</i> , 2015, 65, 397-403.	5.3	116
125	High-efficiency catalytic degradation of phenol based on the peroxidase-like activity of cupric oxide nanoparticles. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 653-660.	1.8	41
126	Label-free electrochemical DNA biosensor for rapid detection of multidrug resistance gene based on Au nanoparticles/toluidine blue-graphene oxide nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 269-276.	4.0	144

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127	Electrochemical immunosensor for detection of topoisomerase based on graphene-gold nanocomposites. <i>Talanta</i> , 2014, 125, 439-445.	2.9	12
128	A novel nanocomposite matrix based on graphene oxide and ferrocene-branched organically modified sol-gel/chitosan for biosensor application. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1941-1949.	1.2	34
129	Thermally treated bare gold nanoparticles for colorimetric sensing of copper ions. <i>Mikrochimica Acta</i> , 2014, 181, 911-916.	2.5	30
130	Label-free electrochemical immunosensor based on multi-functional gold nanoparticles-polydopamine-thionine-graphene oxide nanocomposites film for determination of alpha-fetoprotein. <i>Journal of Electroanalytical Chemistry</i> , 2014, 712, 89-95.	1.9	46
131	Colorimetric sensor based on dual-functional gold nanoparticles: Analyte-recognition and peroxidase-like activity. <i>Food Chemistry</i> , 2014, 147, 257-261.	4.2	49
132	Colorimetric sensor for thiocyanate based on anti-aggregation of citrate-capped gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 479-484.	4.0	60
133	Choline and acetylcholine detection based on peroxidase-like activity and protein antifouling property of platinum nanoparticles in bovine serum albumin scaffold. <i>Biosensors and Bioelectronics</i> , 2014, 62, 331-336.	5.3	98
134	Colorimetric detection of sulfide based on target-induced shielding against the peroxidase-like activity of gold nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 852, 218-222.	2.6	86
135	Citrate-Capped Platinum Nanoparticle as a Smart Probe for Ultrasensitive Mercury Sensing. <i>Analytical Chemistry</i> , 2014, 86, 10955-10960.	3.2	248
136	Electrochemical biosensor for detection of BCR/ABL fusion gene based on isorhamnetin as hybridization indicator. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 326-332.	4.0	8
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