

Zonghua Wang

List of Publications by Year in descending order

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Version: 2024-02-01

136
papers

6,662
citations

53660

45
h-index

76769

74
g-index

138
all docs

138
docs citations

138
times ranked

7413
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in dual-emission ratiometric fluorescence probes for chemo/biosensing and bioimaging of biomarkers. <i>Coordination Chemistry Reviews</i> , 2019, 383, 82-103.	9.5	352
2	Recent advances and future prospects in molecularly imprinted polymers-based electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2018, 100, 56-70.	5.3	332
3	Black phosphorus quantum dots: synthesis, properties, functionalized modification and applications. <i>Chemical Society Reviews</i> , 2018, 47, 6795-6823.	18.7	250
4	Ti ₃ C ₂ MXenes nanosheets catalyzed highly efficient electrogenerated chemiluminescence biosensor for the detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 184-190.	5.3	241
5	In Situ Formation of Gold Nanoparticles Decorated Ti ₃ C ₂ MXenes Nanoprobe for Highly Sensitive Electrogenerated Chemiluminescence Detection of Exosomes and Their Surface Proteins. <i>Analytical Chemistry</i> , 2020, 92, 5546-5553.	3.2	170
6	Aptamer-functionalized metal-organic frameworks (MOFs) for biosensing. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112947.	5.3	161
7	Fabrication strategies, sensing modes and analytical applications of ratiometric electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2017, 91, 523-537.	5.3	151
8	Carbon nanomaterials-based electrochemical aptasensors. <i>Biosensors and Bioelectronics</i> , 2016, 79, 136-149.	5.3	148
9	Hyperbranched Hybridization Chain Reaction for Triggered Signal Amplification and Concatenated Logic Circuits. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8144-8148.	7.2	144
10	Reduced graphene oxide/nile blue/gold nanoparticles complex-modified glassy carbon electrode used as a sensitive and label-free aptasensor for ratiometric electrochemical sensing of dopamine. <i>Analytica Chimica Acta</i> , 2018, 1025, 154-162.	2.6	141
11	An electrochemical sensor based on copper-based metal-organic frameworks-graphene composites for determination of dihydroxybenzene isomers in water. <i>Talanta</i> , 2018, 181, 80-86.	2.9	139
12	Gold Nanoparticle Aggregation-Induced Quantitative Photothermal Biosensing Using a Thermometer: A Simple and Universal Biosensing Platform. <i>Analytical Chemistry</i> , 2020, 92, 2739-2747.	3.2	126
13	A graphene oxide-based label-free electrochemical aptasensor for the detection of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2018, 112, 186-192.	5.3	123
14	Recent advances in synthetic methods and applications of colloidal silver chalcogenide quantum dots. <i>Coordination Chemistry Reviews</i> , 2015, 296, 91-124.	9.5	119
15	An ionic liquid-modified graphene based molecular imprinting electrochemical sensor for sensitive detection of bovine hemoglobin. <i>Biosensors and Bioelectronics</i> , 2014, 61, 391-396.	5.3	115
16	MOF-Derived Porous Ni ₂ P/Graphene Composites with Enhanced Electrochemical Properties for Sensitive Nonenzymatic Glucose Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39151-39160.	4.0	115
17	Competitive electrochemical aptasensor based on a cDNA-ferrocene/MXene probe for detection of breast cancer marker Mucin1. <i>Analytica Chimica Acta</i> , 2020, 1094, 18-25.	2.6	115
18	DNA Assembled Gold Nanoparticles Polymeric Network Blocks Modular Highly Sensitive Electrochemical Biosensors for Protein Kinase Activity Analysis and Inhibition. <i>Analytical Chemistry</i> , 2014, 86, 6153-6159.	3.2	102

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19	Dye-Sensitized and Localized Surface Plasmon Resonance Enhanced Visible-Light Photoelectrochemical Biosensors for Highly Sensitive Analysis of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2016, 88, 922-929.	3.2	98
20	Synthesis of strongly green-photoluminescent graphene quantum dots for drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 192-196.	2.5	97
21	Simultaneous and selective measurement of dopamine and uric acid using glassy carbon electrodes modified with a complex of gold nanoparticles and multiwall carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2069-2077.	4.0	91
22	Ratiometric, visual, dual-signal fluorescent sensing and imaging of pH/copper ions in real samples based on carbon dots-fluorescein isothiocyanate composites. <i>Talanta</i> , 2017, 162, 65-71.	2.9	81
23	Study on ultrasonic treatment for municipal sludge. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 29-37.	3.8	72
24	Electrodeposition one-step preparation of silver nanoparticles/carbon dots/reduced graphene oxide ternary dendritic nanocomposites for sensitive detection of doxorubicin. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 50-57.	4.0	70
25	Highly sensitive photoelectrochemical biosensor for kinase activity detection and inhibition based on the surface defect recognition and multiple signal amplification of metal-organic frameworks. <i>Biosensors and Bioelectronics</i> , 2017, 97, 107-114.	5.3	70
26	Red-emitting BSA-stabilized copper nanoclusters acted as a sensitive probe for fluorescence sensing and visual imaging detection of rutin. <i>Talanta</i> , 2018, 178, 1006-1010.	2.9	65
27	In Situ Growth of Three-Dimensional Graphene Films for Signal-On Electrochemical Biosensing of Various Analytes. <i>Analytical Chemistry</i> , 2016, 88, 10667-10674.	3.2	62
28	Sensitive electrogenerated chemiluminescence biosensors for protein kinase activity analysis based on bimetallic catalysis signal amplification and recognition of Au and Pt loaded metal-organic frameworks nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018, 109, 132-138.	5.3	61
29	Hierarchical mesoporous metal-organic frameworks encapsulated enzymes: Progress and perspective. <i>Coordination Chemistry Reviews</i> , 2021, 443, 214032.	9.5	59
30	Sonochemical fabrication of inorganic nanoparticles for applications in catalysis. <i>Ultrasonics Sonochemistry</i> , 2021, 71, 105384.	3.8	58
31	Ti3C2 MXene mediated Prussian blue in situ hybridization and electrochemical signal amplification for the detection of exosomes. <i>Talanta</i> , 2021, 224, 121879.	2.9	57
32	Recent advances in optical properties and applications of colloidal quantum dots under two-photon excitation. <i>Coordination Chemistry Reviews</i> , 2017, 338, 141-185.	9.5	56
33	An electrochemical sensor based on metal-organic framework-derived porous carbon with high degree of graphitization for electroanalysis of various substances. <i>Electrochimica Acta</i> , 2017, 251, 71-80.	2.6	56
34	Stimuli-Responsive DNA-Gated Nanoscale Porous Carbon Derived from ZIF-8. <i>Advanced Functional Materials</i> , 2019, 29, 1902237.	7.8	55
35	A bimetallic nanoparticle/graphene oxide/thionine composite-modified glassy carbon electrode used as a facile ratiometric electrochemical sensor for sensitive uric acid determination. <i>New Journal of Chemistry</i> , 2018, 42, 14796-14804.	1.4	53
36	An electrochemical biosensor based on AuNPs/Ti3C2 MXene three-dimensional nanocomposite for microRNA-155 detection by exonuclease III-aided cascade target recycling. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114669.	1.9	52

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37	Reverse Microemulsion-Assisted Synthesis of NiCo ₂ S ₄ Nanoflakes Supported on Nickel Foam for Electrochemical Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701396.	1.9	51
38	A hybrid material composed of reduced graphene oxide and porous carbon prepared by carbonization of a zeolitic imidazolate framework (type ZIF-8) for voltammetric determination of chloramphenicol. <i>Mikrochimica Acta</i> , 2019, 186, 191.	2.5	49
39	Coupling Two Sequential Biocatalysts with Close Proximity into Metal-Organic Frameworks for Enhanced Cascade Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25565-25571.	4.0	49
40	The Electrocatalytic Oxidation of Thymine at β -Cyclodextrin Incorporated Carbon Nanotube-Coated Electrode. <i>Electroanalysis</i> , 2003, 15, 1129-1133.	1.5	48
41	Label-free chemiluminescent aptasensor for platelet-derived growth factor detection based on exonuclease-assisted cascade autocatalytic recycling amplification. <i>Biosensors and Bioelectronics</i> , 2014, 62, 208-213.	5.3	48
42	Synthetic methods and potential applications of transition metal dichalcogenide/graphene nanocomposites. <i>Coordination Chemistry Reviews</i> , 2016, 326, 86-110.	9.5	48
43	The interactions between polar solvents (methanol, acetonitrile, dimethylsulfoxide) and the ionic liquid 1-ethyl-3-methylimidazolium bis(fluorosulfonyl)imide. <i>Journal of Molecular Liquids</i> , 2020, 299, 112159.	2.3	48
44	Single electrode biosensor for simultaneous determination of interferon gamma and lysozyme. <i>Biosensors and Bioelectronics</i> , 2015, 68, 55-61.	5.3	47
45	High-efficiency artificial enzyme cascade bio-platform based on MOF-derived bimetal nanocomposite for biosensing. <i>Talanta</i> , 2020, 220, 121374.	2.9	46
46	Multiple signal amplification electrogenerated chemiluminescence biosensors for sensitive protein kinase activity analysis and inhibition. <i>Biosensors and Bioelectronics</i> , 2015, 68, 771-776.	5.3	45
47	A Novel Electrochemical Sensor Based on Copper-based Metal-Organic Framework for the Determination of Dopamine. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 743-749.	0.8	45
48	Association between Related Purine Metabolites and Diabetic Retinopathy in Type 2 Diabetic Patients. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-9.	0.6	43
49	Facile synthesis of gold nanorods/hydrogels core/shell nanospheres for pH and near-infrared-light induced release of 5-fluorouracil and chemo-photothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 498-505.	2.5	42
50	Ag ₂ Te quantum dots with compact surface coatings of multivalent polymers: Ambient one-pot aqueous synthesis and the second near-infrared bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 115-120.	2.5	41
51	Chemiluminescence resonance energy transfer imaging on magnetic particles for single-nucleotide polymorphism detection based on ligation chain reaction. <i>Biosensors and Bioelectronics</i> , 2015, 65, 139-144.	5.3	40
52	Nafion/polyaniline/Zeolitic Imidazolate Framework-8 nanocomposite sensor for the electrochemical determination of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2018, 824, 147-152.	1.9	39
53	Simple homogeneous electrochemical target-responsive aptasensor based on aptamer bio-gated and porous carbon nanocontainer derived from ZIF-8. <i>Biosensors and Bioelectronics</i> , 2020, 166, 112448.	5.3	38
54	A dual-channel homogeneous aptasensor combining colorimetric with electrochemical strategy for thrombin. <i>Biosensors and Bioelectronics</i> , 2018, 120, 15-21.	5.3	37

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55	Sonochemical catalysis as a unique strategy for the fabrication of nano-/micro-structured inorganics. <i>Nanoscale Advances</i> , 2021, 3, 41-72.	2.2	37
56	Facile fabrication of dual-ratiometric electrochemical sensors based on a bare electrode for dual-signal sensing of analytes in electrolyte solution. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 71-78.	4.0	36
57	A general strategy to facilitate design ratiometric electrochemical sensors in electrolyte solution by directly using a bare electrode for dual-signal sensing of analytes. <i>Talanta</i> , 2017, 162, 435-439.	2.9	36
58	Phosphomolybdic acid functionalized graphene loading copper nanoparticles modified electrodes for non-enzymatic electrochemical sensing of glucose. <i>Analytica Chimica Acta</i> , 2016, 934, 44-51.	2.6	34
59	Dual-Activator Codoped Upconversion Nanoprobe with Core-shell Multishell Structure for <i>in Vitro</i> and <i>in Vivo</i> Detection of Hydroxyl Radical. <i>Analytical Chemistry</i> , 2017, 89, 11021-11026.	3.2	34
60	A novel ECL method for histone acetyltransferases (HATs) activity analysis by integrating HCR signal amplification and ECL silver clusters. <i>Talanta</i> , 2019, 198, 39-44.	2.9	34
61	Ultrasensitive detection of nucleic acids and proteins using quartz crystal microbalance and surface plasmon resonance sensors based on target-triggering multiple signal amplification strategy. <i>Analytica Chimica Acta</i> , 2017, 978, 42-47.	2.6	33
62	Au nanoparticles supported on functionalized two-dimensional titanium carbide for the sensitive detection of nitrite. <i>New Journal of Chemistry</i> , 2019, 43, 2464-2470.	1.4	33
63	Rational Design of Meso-Phosphino-Substituted BODIPY Probes for Imaging Hypochlorite in Living Cells and Mice. <i>Analytical Chemistry</i> , 2021, 93, 9640-9646.	3.2	33
64	Sandwich-Structured Upconversion Nanoprobes Coated with a Thin Silica Layer for Mitochondria-Targeted Cooperative Photodynamic Therapy for Solid Malignant Tumors. <i>Analytical Chemistry</i> , 2019, 91, 8549-8557.	3.2	32
65	Synergetic PtNP@Co ₃ O ₄ hollow nanopolyhedrals as peroxidase-like nanozymes for the dual-channel homogeneous biosensing of prostate-specific antigen. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1921-1932.	1.9	32
66	A label-free immunosensor for detecting common acute lymphoblastic leukemia antigen (CD10) based on gold nanoparticles by quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 248-253.	4.0	31
67	Facile construction of reduced graphene oxide-carbon dot complex embedded molecularly imprinted polymers for dual-amplification and selective electrochemical sensing of rutin. <i>New Journal of Chemistry</i> , 2017, 41, 9977-9983.	1.4	31
68	Sonochemistry-Assembled Stimuli-Responsive Polymer Microcapsules for Drug Delivery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701326.	3.9	31
69	A facile strategy for ratiometric electrochemical sensing of quercetin in electrolyte solution directly using bare glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2017, 795, 97-102.	1.9	30
70	Electrochemiluminescence Biosensor for Nucleolin Imaging in a Single Tumor Cell Combined with Synergetic Therapy of Tumor. <i>ACS Sensors</i> , 2020, 5, 1216-1222.	4.0	30
71	Label-free quadruple signal amplification strategy for sensitive electrochemical p53 gene biosensing. <i>Biosensors and Bioelectronics</i> , 2016, 77, 157-163.	5.3	29
72	The effect of introducing an ether group into an imidazolium-based ionic liquid in binary mixtures with DMSO. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 15734-15742.	1.3	29

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73	Enhanced Cathodic Electrochemiluminescence of Luminol on Iron Electrodes. <i>Analytical Chemistry</i> , 2021, 93, 16425-16431.	3.2	29
74	Conversion of <i>Enteromorpha prolifera</i> to high-quality liquid oil via deoxy-liquefaction. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 104, 494-501.	2.6	28
75	Porphin-Based Carbon Dots for "Turn Off" Phosphate Sensing and Cell Imaging. <i>Nanomaterials</i> , 2020, 10, 326.	1.9	28
76	Copper-Catalyzed Radical N-Demethylation of Amides Using N-Fluorobenzenesulfonimide as an Oxidant. <i>Organic Letters</i> , 2020, 22, 4583-4587.	2.4	28
77	Ultrasonic-assisted fabrication and release kinetics of two model redox-responsive magnetic microcapsules for hydrophobic drug delivery. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 223-232.	3.8	27
78	Two-dimensional conjugated metal-organic framework with high electrical conductivity for electrochemical sensing. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 522-528.	0.8	27
79	Enhanced electrochemiluminescence ratiometric cytosensing based on surface plasmon resonance of Au nanoparticles and nanosucculent films. <i>Biosensors and Bioelectronics</i> , 2021, 189, 113367.	5.3	26
80	An efficient multi-enzyme cascade platform based on mesoporous metal-organic frameworks for the detection of organophosphorus and glucose. <i>Food Chemistry</i> , 2022, 381, 132282.	4.2	26
81	One-step synthesis of a Methylene Blue@ZIF-8-reduced graphene oxide nanocomposite and its application to electrochemical sensing of rutin. <i>Mikrochimica Acta</i> , 2018, 185, 279.	2.5	25
82	Promoting Nanozyme Cascade Bioplatfrom by ZIF-Derived N-Doped Porous Carbon Nanosheet-based Protein/Bimetallic Nanoparticles for Tandem Catalysis. <i>ACS Applied Bio Materials</i> , 2020, 3, 664-672.	2.3	25
83	Sensitive electrochemiluminescence biosensing of polynucleotide kinase using the versatility of two-dimensional Ti3C2TX MXene nanomaterials. <i>Analytica Chimica Acta</i> , 2022, 1191, 339346.	2.6	25
84	Aptamer-functionalized hydrogel as effective anti-cancer drugs delivery agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 40-46.	2.5	24
85	Investigation into the hypoxia-dependent cytotoxicity of anticancer drugs under oxygen gradient in a microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 1271-1279.	1.0	24
86	A novel electrogenerated chemiluminescence biosensor for histone acetyltransferases activity analysis and inhibition based on mimetic superoxide dismutase of tannic acid assembled nanopores. <i>Biosensors and Bioelectronics</i> , 2018, 122, 205-210.	5.3	24
87	An electrochemical sensor for the sensitive detection of rutin based on a novel composite of activated silica gel and graphene. <i>RSC Advances</i> , 2015, 5, 39131-39137.	1.7	23
88	Rapid and Simple Detection of Viable Foodborne Pathogen <i>Staphylococcus aureus</i> . <i>Frontiers in Chemistry</i> , 2019, 7, 124.	1.8	23
89	Molecularly imprinted electrochemical sensor based on an electrode modified with an imprinted pyrrole film immobilized on a β -cyclodextrin/gold nanoparticles/graphene layer. <i>RSC Advances</i> , 2015, 5, 82930-82935.	1.7	22
90	Bimetallic Metal-Organic Framework Derived Metal-Carbon Hybrid for Efficient Reversible Oxygen Electrocatalysis. <i>Frontiers in Chemistry</i> , 2019, 7, 747.	1.8	22

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91	Direct Observation of Spatiotemporal Heterogeneous Gelation by Rotational Tracking of a Single Anisotropic Nanoprobe. <i>ACS Nano</i> , 2019, 13, 11334-11342.	7.3	22
92	Deoxy-Liquefaction of <i>Laminaria japonica</i> to High-Quality Liquid Oil over Metal Modified ZSM-5 Catalysts. <i>Energy & Fuels</i> , 2013, 27, 5207-5214.	2.5	21
93	Electrodeposition of PtNi bimetallic nanoparticles on three-dimensional graphene for highly efficient methanol oxidation. <i>RSC Advances</i> , 2015, 5, 86578-86583.	1.7	21
94	Electrocatalytic and Analytical Response of β -Cyclodextrin Incorporated Carbon Nanotubes-Modified Electrodes Toward Guanine. <i>Electroanalysis</i> , 2005, 17, 2057-2061.	1.5	20
95	Multicolor Upconversion Nanoprobes Based on a Dual Luminescence Resonance Energy Transfer Assay for Simultaneous Detection and Bioimaging of $[Ca^{2+}]_i$ and pH_i in Living Cells. <i>Chemistry - A European Journal</i> , 2018, 24, 6458-6463.	1.7	19
96	The molecular behavior of pyridinium/imidazolium based ionic liquids and toluene binary systems. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13300-13309.	1.3	19
97	A comparison of ether- and alkyl-imidazolium-based ionic liquids diluted with CH ₃ CN: A combined FTIR and DFT study. <i>Journal of Molecular Liquids</i> , 2020, 313, 113542.	2.3	18
98	The microscopic structure of 1-Methoxyethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide (EOMIMTFSI) during dilution with polar solvents. <i>Journal of Molecular Liquids</i> , 2021, 322, 114901.	2.3	18
99	Comparative study of the hydrogen bonding properties between bis(fluorosulfonyl)imide/bis(trifluoromethyl)sulfonylimide-based ether-functionalized ionic liquids and methanol. <i>Journal of Molecular Liquids</i> , 2021, 328, 115333.	2.3	18
100	Probing Temperature- and pH-Dependent Binding between Quantum Dots and Bovine Serum Albumin by Fluorescence Correlation Spectroscopy. <i>Nanomaterials</i> , 2017, 7, 93.	1.9	16
101	Preparation of chitosan-modified magnetic Schiff base network composite nanospheres for effective enrichment and detection of hippuric acid and 4-methyl hippuric acid. <i>Journal of Chromatography A</i> , 2021, 1652, 462373.	1.8	16
102	Aptamer and bifunctional enzyme co-functionalized MOF-derived porous carbon for low-background electrochemical aptasensing. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6303-6312.	1.9	16
103	Electrochemical thrombin aptasensor based on using magnetic nanoparticles and porous carbon prepared by carbonization of a zinc(II)-2-methylimidazole metal-organic framework. <i>Mikrochimica Acta</i> , 2019, 186, 659.	2.5	15
104	A power-triggered preparation strategy of nano-structured inorganics: sonosynthesis. <i>Nanoscale Advances</i> , 2021, 3, 2423-2447.	2.2	15
105	Ligand-oriented assembly of a porous metal-organic framework by [Cu ^I ₄] ₄ clusters and paddle-wheel [Cu ^{II} ₂ (COO) ₄ (H ₂ O) ₂] ₂ subunits. <i>CrystEngComm</i> , 2016, 18, 8362-8365.	1.3	14
106	Real-time observation of dynamic heterogeneity of gold nanorods on plasma membrane with darkfield microscopy. <i>Science China Chemistry</i> , 2019, 62, 1072-1081.	4.2	14
107	Direct electrochemical deposition of polyaniline nanowire array on reduced graphene oxide modified graphite electrode for direct electron transfer biocatalysis. <i>RSC Advances</i> , 2015, 5, 93209-93214.	1.7	13
108	DNA synergistic enzyme-mediated cascade reaction for homogeneous electrochemical bioassay. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111510.	5.3	12

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109	Facile sonochemistry-assisted assembly of the water-loving drug-loaded micro-organogel with thermo- and redox-sensitive behavior. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 47-56.	2.3	12
110	Integration of mimic multienzyme systems in metal-metalloporphyrin gel composites for colorimetric sensing. <i>Chemical Engineering Journal</i> , 2021, 404, 126553.	6.6	12
111	Anchoring luminol based on Ti ₃ C ₂ -mediated in situ formation of Au NPs for construction of an efficient probe for miRNA electrogenerated chemiluminescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6963-6971.	1.9	12
112	Metal-organic frameworks-derived bimetallic oxide composite nanozyme fiber membrane and the application to colorimetric detection of phenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129662.	2.3	12
113	Sono-catalysis preparation and alternating magnetic field/glutathione-triggered drug release kinetics of core-shell magnetic micro-organogel. <i>Composites Science and Technology</i> , 2022, 218, 109198.	3.8	11
114	Zn ²⁺ porphyrin metal-organic framework-based photoelectrochemical enzymatic biosensor for hypoxanthine. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 565-572.	1.2	11
115	Construction of a targeted photodynamic nanotheranostic agent using upconversion nanoparticles coated with an ultrathin silica layer. <i>Chemical Communications</i> , 2018, 54, 10618-10621.	2.2	10
116	Co-synthesis of atomically precise nickel nanoclusters and the pseudo-optical gap of Ni ₄ (SR) ₈ . <i>Dalton Transactions</i> , 2018, 47, 11097-11103.	1.6	10
117	Sodium hexametaphosphate modulated fluorescence responsive biosensor based on self-assembly / disassembly mode of reduced-graphene quantum dots / chitosan system for alkaline phosphatase. <i>Talanta</i> , 2020, 207, 120341.	2.9	10
118	Flexible enzyme cascade sensing platform based on a G-quadruplex nanofiber biohydrogel for target colorimetric sensing. <i>Analytica Chimica Acta</i> , 2020, 1140, 10-17.	2.6	10
119	Integration of Multiple Redox Centers into Porous Coordination Networks for Ratiometric Sensing of Dissolved Oxygen. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40847-40852.	4.0	10
120	A general scattering proximity immunoassay with the formation of dimer of gold nanoparticle. <i>Talanta</i> , 2021, 233, 122515.	2.9	10
121	Exfoliated MOF-derived N-doped honeycomb cavernous carbon with enhanced electrocatalytic activity as electrochemical platform. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130779.	4.0	10
122	An Insight into Skeletal Networks Analysis for Smart Hydrogels. <i>Advanced Functional Materials</i> , 2022, 32, 2108489.	7.8	10
123	The fluorescence properties of tiara like structural thiolated palladium clusters. <i>Dalton Transactions</i> , 2017, 46, 12964-12970.	1.6	9
124	Construction of Multicolor Upconversion Nanotheranostic Agent for in-situ Cooperative Photodynamic Therapy for Deep-Seated Malignant Tumors. <i>Frontiers in Chemistry</i> , 2020, 8, 52.	1.8	9
125	A portable electrochemiluminescence bipolar electrode array for the visualized sensing of Cas9 activity. <i>Analyst</i> , 2020, 145, 3569-3574.	1.7	9
126	In Situ Reduction of Gold Nanoparticle-Decorated Ti ₃ C ₂ MXene for Ultrasensitive Electrochemical Detection of MicroRNA-21 with a Cascaded Signal Amplification Strategy. <i>Journal of the Electrochemical Society</i> , 2022, 169, 057505.	1.3	9

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127	Direct energy harvesting from starch by hybrid enzymatic and non-enzymatic cascade bioanode. RSC Advances, 2016, 6, 26421-26424.	1.7	8
128	An rGQD/chitosan nanocomposite-based pH-sensitive probe: application to sensing in urease activity assays. New Journal of Chemistry, 2019, 43, 13398-13407.	1.4	7
129	Rapid Detection of the <i>Bursaphelenchus Xylophilus</i> by Denaturation Bubble-mediated Strand Exchange Amplification. Analytical Sciences, 2019, 35, 449-453.	0.8	7
130	The Effects of NaI, KBr, and KI Salts on the Vapor-Liquid Equilibrium of the H ₂ O+CH ₃ OH System. Frontiers in Chemistry, 2020, 8, 192.	1.8	7
131	Update of ultrasound-assembling fabrication and biomedical applications for heterogeneous polymer composites. Advances in Colloid and Interface Science, 2022, 305, 102683.	7.0	7
132	Aptamer Conformation Switching-Induced Two-Stage Amplification for Fluorescent Detection of Proteins. Sensors, 2019, 19, 77.	2.1	6
133	A computational study of ion speciation in mixtures of protic ionic liquids with various molecular solvents: Insight into the solvent polarity and anion basicity. International Journal of Quantum Chemistry, 2017, 117, 170-179.	1.0	4
134	Cu ₂ O-catalyzed selective 1,2-addition of acetonitrile to α,β -unsaturated aldehydes. Organic Chemistry Frontiers, 2020, 7, 868-872.	2.3	2
135	Introduction of Cascade Biocatalysis Systems into Metal-Organic Aerogel Nanostructures for Colorimetric Sensing of Glucose. ACS Applied Nano Materials, 2022, 5, 8154-8160.	2.4	2
136	Co-Deoxy-Liquefaction of Macroalgae and Lignocellulosic Biomass for Production of High-quality Liquid Oil. ChemistrySelect, 2017, 2, 1820-1824.	0.7	1