

Zonghua Wang

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134
papers

4,325
citations

36
h-index

60
g-index

138
ext. papers

5,483
ext. citations

7.8
avg, IF

6.34
L-index

#	Paper	IF	Citations
134	Recent advances and future prospects in molecularly imprinted polymers-based electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 56-70	11.8	241
133	Recent advances in dual-emission ratiometric fluorescence probes for chemo/biosensing and bioimaging of biomarkers. <i>Coordination Chemistry Reviews</i> , 2019 , 383, 82-103	23.2	208
132	Black phosphorus quantum dots: synthesis, properties, functionalized modification and applications. <i>Chemical Society Reviews</i> , 2018 , 47, 6795-6823	58.5	168
131	TiC MXenes nanosheets catalyzed highly efficient electrogenerated chemiluminescence biosensor for the detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2019 , 124-125, 184-190	11.8	155
130	Carbon nanomaterials-based electrochemical aptasensors. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 136-49	11.8	123
129	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	6.6	109
128	Fabrication strategies, sensing modes and analytical applications of ratiometric electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 523-537	11.8	107
127	Hyperbranched Hybridization Chain Reaction for Triggered Signal Amplification and Concatenated Logic Circuits. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8144-8	16.4	106
126	An ionic liquid-modified graphene based molecular imprinting electrochemical sensor for sensitive detection of bovine hemoglobin. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 391-6	11.8	101
125	Recent advances in synthetic methods and applications of colloidal silver chalcogenide quantum dots. <i>Coordination Chemistry Reviews</i> , 2015 , 296, 91-124	23.2	98
124	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	6.2	98
123	A graphene oxide-based label-free electrochemical aptasensor for the detection of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2018 , 112, 186-192	11.8	88
122	In Situ Formation of Gold Nanoparticles Decorated TiC MXenes Nanoprobe for Highly Sensitive Electrogenerated Chemiluminescence Detection of Exosomes and Their Surface Proteins. <i>Analytical Chemistry</i> , 2020 , 92, 5546-5553	7.8	87
121	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, 6153-9	7.8	85
120	MOF-Derived Porous NiP/Graphene Composites with Enhanced Electrochemical Properties for Sensitive Nonenzymatic Glucose Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39151-39160	9.5	85
119	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, 922-9	7.8	82
118	Synthesis of strongly green-photoluminescent graphene quantum dots for drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 192-6	6	79

117	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	8.5	67
116	Gold Nanoparticle Aggregation-Induced Quantitative Photothermal Biosensing Using a Thermometer: A Simple and Universal Biosensing Platform. <i>Analytical Chemistry</i> , 2020 , 92, 2739-2747	7.8	65
115	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	6.2	58
114	In Situ Growth of Three-Dimensional Graphene Films for Signal-On Electrochemical Biosensing of Various Analytes. <i>Analytical Chemistry</i> , 2016 , 88, 10667-10674	7.8	53
113	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	8.5	52
112	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	11.8	51
111	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	6.6	51
110	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	6.2	45
109	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, 208-13	11.8	45
108	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	11.8	44
107	The Electrocatalytic Oxidation of Thymine at β -Cyclodextrin Incorporated Carbon Nanotube-Coated Electrode. <i>Electroanalysis</i> , 2003 , 15, 1129-1133	3	43
106	Aptamer-functionalized metal-organic frameworks (MOFs) for biosensing. <i>Biosensors and Bioelectronics</i> , 2021 , 176, 112947	11.8	42
105	Study on ultrasonic treatment for municipal sludge. <i>Ultrasonics Sonochemistry</i> , 2019 , 57, 29-37	8.9	41
104	Recent advances in optical properties and applications of colloidal quantum dots under two-photon excitation. <i>Coordination Chemistry Reviews</i> , 2017 , 338, 141-185	23.2	39
103	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	4.6	39
102	Single electrode biosensor for simultaneous determination of interferon gamma and lysozyme. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 55-61	11.8	39
101	Multiple signal amplification electrogenerated chemiluminescence biosensors for sensitive protein kinase activity analysis and inhibition. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 771-776	11.8	38
100	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	6.7	38

99	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	6	36
98	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, 115-20	6	36
97	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, 139-44	11.8	35
96	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	3.6	35
95	Synthetic methods and potential applications of transition metal dichalcogenide/graphene nanocomposites. <i>Coordination Chemistry Reviews</i> , 2016 , 326, 86-110	23.2	34
94	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	8.5	31
93	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	5.8	31
92	Stimuli-Responsive DNA-Gated Nanoscale Porous Carbon Derived from ZIF-8. <i>Advanced Functional Materials</i> , 2019 , 29, 1902237	15.6	30
91	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	6.6	29
90	Association between Related Purine Metabolites and Diabetic Retinopathy in Type 2 Diabetic Patients. <i>International Journal of Endocrinology</i> , 2014 , 2014, 651050	2.7	29
89	Sonochemical fabrication of inorganic nanoparticles for applications in catalysis. <i>Ultrasonics Sonochemistry</i> , 2021 , 71, 105384	8.9	29
88	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	6.6	28
87	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	9.5	27
86	Nafion/polyaniline/Zeolitic Imidazolate Framework-8 nanocomposite sensor for the electrochemical determination of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 824, 147-152	4.1	27
85	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	6.2	27
84	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	4.1	26
83	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	1.5	26
82	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	7.8	25

81	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, 1121-1159	6.1	25
80	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	6	24
79	Dual-Activator Codoped Upconversion Nanoprobe with Core-Multishell Structure for in Vitro and in Vivo Detection of Hydroxyl Radical. <i>Analytical Chemistry</i> , 2017 , 89, 11021-11026	7.8	24
78	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	4.1	24
77	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	2.8	23
76	Sonochemistry-Assembled Stimuli-Responsive Polymer Microcapsules for Drug Delivery. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701326	10.1	23
75	A dual-channel homogeneous aptasensor combining colorimetric with electrochemical strategy for thrombin. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 15-21	11.8	23
74	TiC MXene mediated Prussian blue in situ hybridization and electrochemical signal amplification for the detection of exosomes. <i>Talanta</i> , 2021 , 224, 121879	6.2	23
73	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	6.2	22
72	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	3.6	22
71	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	8.5	22
70	Label-free quadruple signal amplification strategy for sensitive electrochemical p53 gene biosensing. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 157-63	11.8	21
69	High-efficiency artificial enzyme cascade bio-platform based on MOF-derived bimetal nanocomposite for biosensing. <i>Talanta</i> , 2020 , 220, 121374	6.2	21
68	Aptamer-functionalized hydrogel as effective anti-cancer drugs delivery agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 40-6	6	20
67	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	4.1	20
66	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	3.7	19
65	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	3.6	19
64	Electrocatalytic and Analytical Response of Cyclodextrin Incorporated Carbon Nanotubes-Modified Electrodes Toward Guanine. <i>Electroanalysis</i> , 2005 , 17, 2057-2061	3	19

63	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	11.8	19
62	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	8.9	18
61	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	5.8	18
60	Sonochemical catalysis as a unique strategy for the fabrication of nano-/micro-structured inorganics. <i>Nanoscale Advances</i> , 2021 , 3, 41-72	5.1	18
59	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	3.6	17
58	Rapid and Simple Detection of Viable Foodborne Pathogen. <i>Frontiers in Chemistry</i> , 2019 , 7, 124	5	17
57	Electrodeposition of PtNi bimetallic nanoparticles on three-dimensional graphene for highly efficient methanol oxidation. <i>RSC Advances</i> , 2015 , 5, 86578-86583	3.7	17
56	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	4.1	17
55	Hierarchical mesoporous metal-organic frameworks encapsulated enzymes: Progress and perspective. <i>Coordination Chemistry Reviews</i> , 2021 , 443, 214032	23.2	17
54	Direct Observation of Spatiotemporal Heterogeneous Gelation by Rotational Tracking of a Single Anisotropic Nanoprobe. <i>ACS Nano</i> , 2019 , 13, 11334-11342	16.7	16
53	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	3.7	16
52	Multicolor Upconversion Nanoprobes Based on a Dual Luminescence Resonance Energy Transfer Assay for Simultaneous Detection and Bioimaging of [Ca ²⁺] and pH in Living Cells. <i>Chemistry - A European Journal</i> , 2018 , 24, 6458-6463	4.8	16
51	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	11.8	16
50	Electrochemiluminescence Biosensor for Nucleolin Imaging in a Single Tumor Cell Combined with Synergetic Therapy of Tumor. <i>ACS Sensors</i> , 2020 , 5, 1216-1222	9.2	15
49	Probing Temperature- and pH-Dependent Binding between Quantum Dots and Bovine Serum Albumin by Fluorescence Correlation Spectroscopy. <i>Nanomaterials</i> , 2017 , 7,	5.4	14
48	Ligand-oriented assembly of a porous metal-organic framework by [CuI ₄] clusters and paddle-wheel [CuII(COO) ₄ (H ₂ O) ₂] subunits. <i>CrystEngComm</i> , 2016 , 18, 8362-8365	3.3	13
47	Two-dimensional π -conjugated metal-organic framework with high electrical conductivity for electrochemical sensing. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 522-528	1.5	13
46	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	3.7	12

45	Copper-Catalyzed Radical N-Demethylation of Amides Using -Fluorobenzenesulfonimide as an Oxidant. <i>Organic Letters</i> , 2020 , 22, 4583-4587	6.2	12
44	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	5.1	11
43	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	5.8	10
42	Real-time observation of dynamic heterogeneity of gold nanorods on plasma membrane with darkfield microscopy. <i>Science China Chemistry</i> , 2019 , 62, 1072-1081	7.9	10
41	Bimetallic Metal-Organic Framework Derived Metal-Carbon Hybrid for Efficient Reversible Oxygen Electrocatalysis. <i>Frontiers in Chemistry</i> , 2019 , 7, 747	5	10
40	Porphin-Based Carbon Dots for "Turn Off-On" Phosphate Sensing and Cell Imaging. <i>Nanomaterials</i> , 2020 , 10,	5.4	9
39	Enhanced electrochemiluminescence ratiometric cytosensing based on surface plasmon resonance of Au nanoparticles and nanosucculent films. <i>Biosensors and Bioelectronics</i> , 2021 , 189, 113367	11.8	9
38	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	6	7
37	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	6.2	7
36	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	6	7
35	A power-triggered preparation strategy of nano-structured inorganics: sonosynthesis. <i>Nanoscale Advances</i> , 2021 , 3, 2423-2447	5.1	7
34	DNA synergistic enzyme-mediated cascade reaction for homogeneous electrochemical bioassay. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111510	11.8	6
33	Aptamer Conformation Switching-Induced Two-Stage Amplification for Fluorescent Detection of Proteins. <i>Sensors</i> , 2018 , 19,	3.8	6
32	Enhanced Cathodic Electrochemiluminescence of Luminol on Iron Electrodes. <i>Analytical Chemistry</i> , 2021 ,	7.8	6
31	Rational Design of Meso-Phosphino-Substituted BODIPY Probes for Imaging Hypochlorite in Living Cells and Mice. <i>Analytical Chemistry</i> , 2021 , 93, 9640-9646	7.8	6
30	Direct energy harvesting from starch by hybrid enzymatic and non-enzymatic cascade bioanode. <i>RSC Advances</i> , 2016 , 6, 26421-26424	3.7	6
29	Integration of mimic multienzyme systems in metal-metalloporphyrin gel composites for colorimetric sensing. <i>Chemical Engineering Journal</i> , 2021 , 404, 126553	14.7	6
28	Construction of a targeted photodynamic nanotheranostic agent using upconversion nanoparticles coated with an ultrathin silica layer. <i>Chemical Communications</i> , 2018 , 54, 10618-10621	5.8	6

27	Construction of Multicolor Upconversion Nanotheranostic Agent for Cooperative Photodynamic Therapy for Deep-Seated Malignant Tumors. <i>Frontiers in Chemistry</i> , 2020 , 8, 52	5	5
26	The Effects of NaI, KBr, and KI Salts on the Vapor-Liquid Equilibrium of the HO+CHOH System. <i>Frontiers in Chemistry</i> , 2020 , 8, 192	5	5
25	The fluorescence properties of tiara like structural thiolated palladium clusters. <i>Dalton Transactions</i> , 2017 , 46, 12964-12970	4.3	5
24	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	6	5
23	Rapid Detection of the Bursaphelenchus Xylophilus by Denaturation Bubble-mediated Strand Exchange Amplification. <i>Analytical Sciences</i> , 2019 , 35, 449-453	1.7	4
22	Co-synthesis of atomically precise nickel nanoclusters and the pseudo-optical gap of Ni(SR). <i>Dalton Transactions</i> , 2018 , 47, 11097-11103	4.3	4
21	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	8.5	4
20	Synergetic PtNP@CoO 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	4.4	4
19	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	8.6	4
18	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	4.4	4
17	A computational study of ion speciation in mixtures of protic ionic liquids with various molecular solvents: Insight into the solvent polarity and anion basicity. <i>International Journal of Quantum Chemistry</i> , 2017 , 117, 170-179	2.1	3
16	Sensitive electrochemiluminescence biosensing of polynucleotide kinase using the versatility of two-dimensional TiCT MXene nanomaterials.. <i>Analytica Chimica Acta</i> , 2022 , 1191, 339346	6.6	3
15	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	6.6	3
14	A portable electrochemiluminescence bipolar electrode array for the visualized sensing of Cas9 activity. <i>Analyst, The</i> , 2020 , 145, 3569-3574	5	3
13	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	8.5	3
12	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	4.5	2
11	Anchoring luminol based on TiC-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	4.4	2
10	A general scattering proximity immunoassay with the formation of dimer of gold nanoparticle. <i>Talanta</i> , 2021 , 233, 122515	6.2	2

9	The molecular behavior of pyridinium/imidazolium based ionic liquids and toluene binary systems. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 13300-13309	3.6	2
8	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	3.9	2
7	CoDeoxy-Liquefaction of Macroalgae and Lignocellulosic Biomass for Production of HighQuality Liquid Oil. <i>ChemistrySelect</i> , 2017 , 2, 1820-1824	1.8	1
6	Cu ₂ O-catalyzed selective 1,2-addition of acetonitrile to α,β -unsaturated aldehydes. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 868-872	5.2	1
5	An rGQD/chitosan nanocomposite-based pH-sensitive probe: application to sensing in urease activity assays. <i>New Journal of Chemistry</i> , 2019 , 43, 13398-13407	3.6	1
4	Zn β orphyrin metal β rganic framework β ased photoelectrochemical enzymatic biosensor for hypoxanthine. <i>Journal of Solid State Electrochemistry</i> , 2022 , 26, 565-572	2.6	1
3	An Insight of Skeletal Networks Analysis for Smart Hydrogels. <i>Advanced Functional Materials</i> , 2021 , 31, 2108489	15.6	1
2	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	9.5	1
1	Update of ultrasound-assembling fabrication and biomedical applications for heterogeneous polymer composites.. <i>Advances in Colloid and Interface Science</i> , 2022 , 305, 102683	14.3	1