

Hua Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7529712/publications.pdf>

Version: 2024-02-01

261
papers

12,208
citations

19657
61
h-index

42399
92
g-index

296
all docs

296
docs citations

296
times ranked

10634
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile and Sensitive Fluorescence Sensing of Alkaline Phosphatase Activity with Photoluminescent Carbon Dots Based on Inner Filter Effect. <i>Analytical Chemistry</i> , 2016, 88, 2720-2726.	6.5	329
2	Copper-catalyzed direct oxysulfonylation of alkenes with dioxygen and sulfonylhydrazides leading to β -ketosulfones. <i>Chemical Communications</i> , 2013, 49, 10239.	4.1	252
3	Metal-Free C(sp ²)–H/N–H Cross-Dehydrogenative Coupling of Quinoxalinones with Aliphatic Amines under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2018, 20, 7125-7130.	4.6	213
4	Rapid, Selective, and Ultrasensitive Fluorimetric Analysis of Mercury and Copper Levels in Blood Using Bimetallic Gold–Silver Nanoclusters with α -Silver Effect–Enhanced Red Fluorescence. <i>Analytical Chemistry</i> , 2014, 86, 11714-11721.	6.5	210
5	Decarboxylative Acylation of Cyclic Enamides with β -Oxocarboxylic Acids by Palladium-Catalyzed C–H Activation at Room Temperature. <i>Organic Letters</i> , 2012, 14, 4358-4361.	4.6	184
6	Direct and metal-free arylsulfonylation of alkynes with sulfonylhydrazides for the construction of 3-sulfonated coumarins. <i>Chemical Communications</i> , 2015, 51, 768-771.	4.1	181
7	Metal-free oxidative hydroxyalkylarylation of activated alkenes by direct sp ³ C–H functionalization of alcohols. <i>Chemical Communications</i> , 2013, 49, 7540.	4.1	160
8	Catalyst-free direct arylsulfonylation of N-arylacrylamides with sulfinic acids: a convenient and efficient route to sulfonated oxindoles. <i>Green Chemistry</i> , 2014, 16, 2988-2991.	9.0	153
9	Catalyst-Free Regioselective C-3 Thiocyanation of Imidazopyridines. <i>Journal of Organic Chemistry</i> , 2015, 80, 11073-11079.	3.2	150
10	Silver–Catalyzed Decarboxylative Acylarylation of Acrylamides with β -Oxocarboxylic Acids in Aqueous Media. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2222-2226.	4.3	149
11	Silver-catalyzed oxidative coupling/cyclization of acrylamides with 1,3-dicarbonyl compounds. <i>Chemical Communications</i> , 2013, 49, 10370-10372.	4.1	148
12	Metal-Free Visible-Light-Induced C–H/C–H Cross-Dehydrogenative-Coupling of Quinoxalin-2(H)-ones with Simple Ethers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17252-17257.	6.7	147
13	Visible-light-enabled spirocyclization of alkynes leading to 3-sulfonyl and 3-sulfenyl azaspiro[4,5]trienones. <i>Green Chemistry</i> , 2017, 19, 5608-5613.	9.0	145
14	Recent advances in catalytic decarboxylative acylation reactions via a radical process. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7380-7391.	2.8	140
15	A hydrogen peroxide biosensor based on nano-Au/PAMAM dendrimer/cystamine modified gold electrode. <i>Sensors and Actuators B: Chemical</i> , 2005, 106, 394-400.	7.8	139
16	A novel dual-ratiometric-response fluorescent probe for SO ₂ /ClO [•] detection in cells and in vivo and its application in exploring the dichotomous role of SO ₂ under the ClO [•] induced oxidative stress. <i>Biomaterials</i> , 2017, 133, 82-93.	11.4	136
17	Silver-Mediated Radical Cyclization of Alkynoates and β -Keto Acids Leading to Coumarins via Cascade Double C–C Bond Formation. <i>Journal of Organic Chemistry</i> , 2015, 80, 1550-1556.	3.2	134
18	Magnetic Electrochemical Immunoassays with Quantum Dot Labels for Detection of Phosphorylated Acetylcholinesterase in Plasma. <i>Analytical Chemistry</i> , 2008, 80, 8477-8484.	6.5	128

#	ARTICLE	IF	CITATIONS
19	Metal-Free Oxidative Spirocyclization of Alkynes with Sulfonylhydrazides Leading to 3-Sulfonated Azaspiro[4,5]trienones. <i>Journal of Organic Chemistry</i> , 2015, 80, 4966-4972.	3.2	125
20	Visible-light initiated direct oxysulfonylation of alkenes with sulfinic acids leading to β -ketosulfones. <i>Green Chemistry</i> , 2016, 18, 5630-5634.	9.0	125
21	Metal-Free Direct Trifluoromethylation of Activated Alkenes with Langlois's Reagent Leading to CF ₃ -Containing Oxindoles. <i>Journal of Organic Chemistry</i> , 2014, 79, 4225-4230.	3.2	123
22	Fluorescent dye encapsulated ZnO particles with cell-specific toxicity for potential use in biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 11-22.	3.6	121
23	Alkynylation of Tertiary Cycloalkanols via Radical C–C Bond Cleavage: A Route to Distal Alkynylated Ketones. <i>Organic Letters</i> , 2015, 17, 4798-4801.	4.6	116
24	Visible-light-induced selective synthesis of sulfoxides from alkenes and thiols using air as the oxidant. <i>Green Chemistry</i> , 2017, 19, 3520-3524.	9.0	116
25	Metal-Free Oxidative Spirocyclization of Hydroxymethylacrylamide with 1,3-Dicarbonyl Compounds: A New Route to Spirooxindoles. <i>Organic Letters</i> , 2013, 15, 5254-5257.	4.6	115
26	A ratiometric fluorescent nanosensor for the detection of silver ions using graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 239-246.	7.8	115
27	Visible light-induced C–H sulfenylation using sulfinic acids. <i>Green Chemistry</i> , 2017, 19, 4785-4791.	9.0	112
28	A fluorescence resonance energy transfer (FRET) based "Turn-On" nanofluorescence sensor using a nitrogen-doped carbon dot-hexagonal cobalt oxyhydroxide nanosheet architecture and application to α -glucosidase inhibitor screening. <i>Biosensors and Bioelectronics</i> , 2016, 79, 728-735.	10.1	111
29	Platinum nanocatalysts loaded on graphene oxide-dispersed carbon nanotubes with greatly enhanced peroxidase-like catalysis and electrocatalysis activities. <i>Nanoscale</i> , 2014, 6, 8107-8116.	5.6	105
30	Fe ₃ O ₄ Nanozymes with Aptamer-Tuned Catalysis for Selective Colorimetric Analysis of ATP in Blood. <i>Analytical Chemistry</i> , 2019, 91, 14737-14742.	6.5	105
31	Ultrasensitive Electroanalysis of Low-Level Free MicroRNAs in Blood by Maximum Signal Amplification of Catalytic Silver Deposition Using Alkaline Phosphatase-Incorporated Gold Nanoclusters. <i>Analytical Chemistry</i> , 2014, 86, 10406-10414.	6.5	101
32	Copper-catalyzed highly selective direct hydrosulfonylation of alkynes with arylsulfinic acids leading to vinyl sulfones. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1861-1864.	2.8	97
33	Decarboxylative Alkynylation of β -Keto Acids and Oxamic Acids in Aqueous Media. <i>Organic Letters</i> , 2015, 17, 3054-3057.	4.6	97
34	Plasma-Assisted Controllable Doping of Nitrogen into MoS ₂ Nanosheets as Efficient Nanozymes with Enhanced Peroxidase-Like Catalysis Activity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17547-17556.	8.0	97
35	Recyclable enzyme mimic of cubic Fe ₃ O ₄ nanoparticles loaded on graphene oxide-dispersed carbon nanotubes with enhanced peroxidase-like catalysis and electrocatalysis. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4442-4448.	5.8	96
36	Silver-catalyzed decarboxylative acylfluorination of styrenes in aqueous media. <i>Chemical Communications</i> , 2014, 50, 7382.	4.1	94

#	ARTICLE	IF	CITATIONS
37	Silver Nanoclusters Encapsulated into Metal-Organic Frameworks with Enhanced Fluorescence and Specific Ion Accumulation toward the Microdot Array-Based Fluorimetric Analysis of Copper in Blood. <i>ACS Sensors</i> , 2018, 3, 441-450.	7.8	94
38	A piezoelectric immunosensor for the detection of α -fetoprotein using an interface of gold/hydroxyapatite hybrid nanomaterial. <i>Biomaterials</i> , 2007, 28, 2147-2154.	11.4	92
39	Metal-Free Direct Construction of Sulfonamides via Iodine-Mediated Coupling Reaction of Sodium Sulfinates and Amines at Room Temperature. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 987-992.	4.3	85
40	Molecular Iodine-Mediated Difunctionalization of Alkenes with Nitriles and Thiols Leading to β -Acetamido Sulfides. <i>Journal of Organic Chemistry</i> , 2016, 81, 2252-2260.	3.2	85
41	A protein A-based orientation-controlled immobilization strategy for antibodies using nanometer-sized gold particles and plasma-polymerized film. <i>Analytical Biochemistry</i> , 2004, 324, 219-226.	2.4	82
42	Electrochemical behavior and voltammetric determination of L-tryptophan and L-tyrosine using a glassy carbon electrode modified with single-walled carbon nanohorns. <i>Mikrochimica Acta</i> , 2014, 181, 445-451.	5.0	82
43	High-throughput colorimetric assays for mercury(II) in blood and wastewater based on the mercury-stimulated catalytic activity of small silver nanoparticles in a temperature-switchable gelatin matrix. <i>Chemical Communications</i> , 2014, 50, 9196-9199.	4.1	82
44	Direct difunctionalization of alkynes with sulfinic acids and molecular iodine: a simple and convenient approach to (E)- β -iodovinyl sulfones. <i>RSC Advances</i> , 2015, 5, 4416-4419.	3.6	82
45	Direct Z-scheme photocatalyst of hollow CoS _x @CdS polyhedron constructed by ZIF-67-templated one-pot solvothermal route: A signal-on photoelectrochemical sensor for mercury (II). <i>Chemical Engineering Journal</i> , 2020, 395, 125072.	12.7	81
46	Controllable fabrication of visible-light-driven CoS _x /CdS photocatalysts with direct Z-scheme heterojunctions for photocatalytic Cr(VI) reduction with high efficiency. <i>Chemical Engineering Journal</i> , 2020, 397, 125464.	12.7	80
47	Metal-free Oxidative Coupling of Aromatic Alkenes with Thiols Leading to α -Vinyl Sulfones. <i>Journal of Organic Chemistry</i> , 2017, 82, 6857-6864.	3.2	79
48	Iron-catalyzed direct difunctionalization of alkenes with dioxygen and sulfinic acids: a highly efficient and green approach to β -ketosulfones. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7678-7681.	2.8	77
49	Metal-Free Iodine-Catalyzed Direct Arylthiation of Substituted Anilines with Thiols. <i>Journal of Organic Chemistry</i> , 2015, 80, 6083-6092.	3.2	76
50	Selective solid-phase extraction and analysis of trace-level Cr(III), Fe(III), Pb(II), and Mn(II) Ions in wastewater using diethylenetriamine-functionalized carbon nanotubes dispersed in graphene oxide colloids. <i>Talanta</i> , 2016, 146, 358-363.	5.5	76
51	Bu ₄ Ni-catalyzed decarboxylative acyloxylation of an sp ³ C-H bond adjacent to a heteroatom with α -oxocarboxylic acids. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4308.	2.8	74
52	Growth and accelerated differentiation of mesenchymal stem cells on graphene oxide/poly-L-lysine composite films. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5461.	5.8	71
53	A novel immunochromatographic electrochemical biosensor for highly sensitive and selective detection of trichloropyridinol, a biomarker of exposure to chlorpyrifos. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2835-2840.	10.1	70
54	Biominerized gold-Hemin@MOF composites with peroxidase-like and gold catalysis activities: A high-throughput colorimetric immunoassay for α -fetoprotein in blood by ELISA and gold-catalytic silver staining. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 543-552.	7.8	70

#	ARTICLE	IF	CITATIONS
55	Copper-Catalyzed Selenylation of Imidazo[1,2- <i>a</i>]pyridines with Selenium Powder via a Radical Pathway. <i>Journal of Organic Chemistry</i> , 2017, 82, 2906-2913.	3.2	69
56	Metal-free molecular iodine-catalyzed direct sulfonylation of pyrazolones with sodium sulfinates leading to sulfonated pyrazoles at room temperature. <i>Organic Chemistry Frontiers</i> , 2017, 4, 26-30.	4.5	69
57	Copper-catalyzed oxidative condensation of α -oxocarboxylic acids with formamides: synthesis of α -ketoamides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4573.	2.8	68
58	Magnetically recoverable and reusable CuFe ₂ O ₄ nanoparticle-catalyzed synthesis of benzoxazoles, benzothiazoles and benzimidazoles using dioxygen as oxidant. <i>RSC Advances</i> , 2014, 4, 17832-17839.	3.6	68
59	A piezoelectric immunoagglutination assay for <i>Toxoplasma gondii</i> antibodies using gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2004, 19, 701-709.	10.1	66
60	An amperometric horseradish peroxidase inhibition biosensor based on a cysteamine self-assembled monolayer for the determination of sulfides. <i>Sensors and Actuators B: Chemical</i> , 2004, 102, 162-168.	7.8	65
61	Catalyst-free direct decarboxylative coupling of α -keto acids with thiols: a facile access to thioesters. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7323-7330.	2.8	64
62	An enzyme immobilization platform for biosensor designs of direct electrochemistry using flower-like ZnO crystals and nano-sized gold particles. <i>Journal of Electroanalytical Chemistry</i> , 2009, 627, 9-14.	3.8	62
63	Construction of Porous Tubular In ₂ S ₃ @In ₂ O ₃ with Plasma Treatment-Derived Oxygen Vacancies for Efficient Photocatalytic H ₂ O ₂ Production in Pure Water Via Two-Electron Reduction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25868-25878.	8.0	61
64	A novel sustainable strategy for the synthesis of phenols by magnetic CuFe ₂ O ₄ -catalyzed oxidative hydroxylation of arylboronic acids under mild conditions in water. <i>Tetrahedron</i> , 2014, 70, 3630-3634.	1.9	60
65	Copper-Catalyzed Regioselective Cleavage of C-X and C-H Bonds: A Strategy for Sulfur Dioxide Fixation. <i>Chemistry - A European Journal</i> , 2018, 24, 4423-4427.	3.3	60
66	Sacrificial agent-free photocatalytic H ₂ O ₂ evolution via two-electron oxygen reduction using a ternary α -Fe ₂ O ₃ /CQD@g-C ₃ N ₄ photocatalyst with broad-spectrum response. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18816-18825.	10.3	60
67	Nanopore-Based Selective Discrimination of MicroRNAs with Single-Nucleotide Difference Using Locked Nucleic Acid-Modified Probes. <i>Analytical Chemistry</i> , 2016, 88, 10540-10546.	6.5	59
68	Carboxylic-group-functionalized single-walled carbon nanohorns as peroxidase mimetics and their application to glucose detection. <i>Analyst</i> , 2015, 140, 6398-6403.	3.5	58
69	Metal-free iodine-mediated synthesis of vinyl sulfones at room temperature using water as solvent. <i>RSC Advances</i> , 2015, 5, 37013-37017.	3.6	58
70	Silver-Catalyzed Double-Decarboxylative Cross-Coupling of α -Keto Acids with Cinnamic Acids in Water: A Strategy for the Preparation of Chalcones. <i>Journal of Organic Chemistry</i> , 2015, 80, 3258-3263.	3.2	57
71	Silver-catalyzed direct spirocyclization of alkynes with thiophenols: a simple and facile approach to 3-thioazaspiro[4.5]trienones. <i>RSC Advances</i> , 2015, 5, 84657-84661.	3.6	57
72	A rapid and efficient strategy for creating super-hydrophobic coatings on various material substrates. <i>Journal of Materials Chemistry</i> , 2008, 18, 4442.	6.7	56

#	ARTICLE	IF	CITATIONS
73	Biomimetic photocatalytic sulfonation of alkenes to access β^2 -ketosulfones with single-atom iron site. <i>Green Chemistry</i> , 2020, 22, 230-237.	9.0	56
74	Immobilization of Enzymes on the Nano-Au Film Modified Glassy Carbon Electrode for the Determination of Hydrogen Peroxide and Glucose. <i>Electroanalysis</i> , 2004, 16, 736-740.	2.9	55
75	Synergetic Ag ₂ S and ZnS quantum dots as the sensitizer and recognition probe: A visible light-driven photoelectrochemical sensor for the "signal-on" analysis of mercury (II). <i>Journal of Hazardous Materials</i> , 2020, 387, 121715.	12.4	55
76	Metal-free iodine-catalyzed direct cross-dehydrogenative coupling (CDC) between pyrazoles and thiols. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1457-1461.	4.5	54
77	Near-infrared light-driven photoelectrochemical sensor for mercury (II) detection using bead-chain-like Ag@Ag ₂ S nanocomposites. <i>Chemical Engineering Journal</i> , 2021, 409, 128154.	12.7	52
78	Wide-Acidity-Range pH Fluorescence Probes for Evaluation of Acidification in Mitochondria and Digestive Tract Mucosa. <i>Analytical Chemistry</i> , 2017, 89, 8509-8516.	6.5	51
79	A potentiometric acetylcholinesterase biosensor based on plasma-polymerized film. <i>Sensors and Actuators B: Chemical</i> , 2005, 104, 186-190.	7.8	49
80	Palladium-Catalyzed Alkylarylation of Acrylamides with Unactivated Alkyl Halides. <i>Journal of Organic Chemistry</i> , 2016, 81, 860-867.	3.2	49
81	Self-assembled polymer nanocomposites for biomedical application. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 35, 36-41.	7.4	49
82	Layer-by-layer assembled graphene oxide composite films for enhanced mechanical properties and fibroblast cell affinity. <i>Journal of Materials Chemistry B</i> , 2014, 2, 325-331.	5.8	48
83	Copper-Catalyzed Domino Synthesis of Nitrogen Heterocycle-Fused Benzoimidazole and 1,2,4-Benzothiadiazine 1,1-Dioxide Derivatives. <i>ACS Combinatorial Science</i> , 2015, 17, 113-119.	3.8	48
84	High-Throughput and Sensitive Fluorimetric Strategy for MicroRNAs in Blood Using Wettable Microwells Array and Silver Nanoclusters with Red Fluorescence Enhanced by Metal Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23647-23656.	8.0	48
85	DMSO-promoted regioselective synthesis of sulfonylated pyrazoles via a radical pathway. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1367-1371.	4.5	47
86	A novel piezoelectric immunosensor for detection of carcinoembryonic antigen. <i>Talanta</i> , 2005, 67, 217-220.	5.5	46
87	ZnO Nanocomposites Modified by Hydrophobic and Hydrophilic Silanes with Dramatically Enhanced Tunable Fluorescence and Aqueous Ultrastability toward Biological Imaging Applications. <i>Scientific Reports</i> , 2015, 5, 8475.	3.3	46
88	Electrochemical-induced regioselective C-3 thiomethylation of imidazopyridines via a three-component cross-coupling strategy. <i>Green Chemistry</i> , 2020, 22, 1129-1133.	9.0	46
89	Lab-on-a-drop: biocompatible fluorescent nanoprobe of gold nanoclusters for label-free evaluation of phosphorylation-induced inhibition of acetylcholinesterase activity towards the ultrasensitive detection of pesticide residues. <i>Analyst</i> , 2014, 139, 4620-4628.	3.5	45
90	Direct difunctionalization of alkenes with sulfinic acids and NBS leading to β^2 -bromo sulfones. <i>Tetrahedron Letters</i> , 2015, 56, 1808-1811.	1.4	45

#	ARTICLE	IF	CITATIONS
91	Individually addressable microelectrode arrays fabricated with gold-coated pencil graphite particles for multiplexed and high sensitive impedance immunoassays. <i>Biosensors and Bioelectronics</i> , 2009, 25, 34-40.	10.1	44
92	Immunophenotyping of Acute Leukemia Using an Integrated Piezoelectric Immunosensor Array. <i>Analytical Chemistry</i> , 2004, 76, 2203-2209.	6.5	43
93	Q-Graphene-loaded metal organic framework nanocomposites with water-triggered fluorescence turn-on: fluorimetric test strips for directly sensing trace water in organic solvents. <i>Chemical Communications</i> , 2018, 54, 13595-13598.	4.1	43
94	The layer-by-layer assembly of polyelectrolyte functionalized graphene sheets: A potential tool for biosensing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 426, 6-11.	4.7	42
95	Iodine-catalyzed Direct Thiolation of Indoles with Thiols Leading to 3-Thioindoles Using Air as the Oxidant. <i>Catalysis Letters</i> , 2016, 146, 1743-1748.	2.6	42
96	Simultaneous nitrogen doping and Cu ₂ O oxidation by one-step plasma treatment toward nitrogen-doped Cu ₂ O@CuO heterostructure: An efficient photocatalyst for H ₂ O ₂ evolution under visible light. <i>Applied Surface Science</i> , 2020, 527, 146908.	6.1	42
97	A reusable piezoelectric immunosensor using antibody-adsorbed magnetic nanocomposite. <i>Journal of Immunological Methods</i> , 2008, 332, 103-111.	1.4	41
98	Metal-Free Catalytic Synthesis of Thiocarbamates Using Sodium Sulfinates as the Sulfur Source. <i>Journal of Organic Chemistry</i> , 2019, 84, 2976-2983.	3.2	41
99	Direct coupling of haloquinolines and sulfonyl chlorides leading to sulfonylated quinolines in water. <i>Tetrahedron Letters</i> , 2019, 60, 214-218.	1.4	41
100	Nanogold particle-enhanced oriented adsorption of antibody fragments for immunosensing platforms. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2210-2217.	10.1	40
101	Mesoporous Poly(melamine-formaldehyde): A Green and Recyclable Heterogeneous Organocatalyst for the Synthesis of Benzoxazoles and Benzothiazoles Using Dioxygen as Oxidant. <i>ChemCatChem</i> , 2014, 6, 3434-3439.	3.7	40
102	A novel low-cost method for Hg ⁰ removal from flue gas by visible-light-driven BiOX (X = Cl, Br, I) photocatalysts. <i>Catalysis Communications</i> , 2016, 87, 57-61.	3.3	40
103	Controllable doping of Fe atoms into MoS ₂ nanosheets towards peroxidase-like nanozyme with enhanced catalysis for colorimetric analysis of glucose. <i>Applied Surface Science</i> , 2022, 583, 152496.	6.1	39
104	A reusable capacitive immunosensor with a novel immobilization procedure based on 1,6-hexanedithiol and nano-Au self-assembled layers. <i>Sensors and Actuators B: Chemical</i> , 2005, 110, 327-334.	7.8	38
105	Mechanistic insight into water-modulated cycloisomerization of enynyl esters using an Au(⁺) catalyst. <i>Dalton Transactions</i> , 2015, 44, 5354-5363.	3.3	37
106	Metal-free direct construction of sulfenylated pyrazoles via the NaOH promoted sulfenylation of pyrazolones with aryl thiols. <i>RSC Advances</i> , 2016, 6, 51830-51833.	3.6	37
107	Copper-catalyzed domino synthesis of benzo[b]thiophene/imidazo[1,2-a]pyridines by sequential Ullmann-type coupling and intramolecular C(sp ²)-H thiolation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 66-70.	4.5	37
108	Doping Nitrogen into Q-Graphene by Plasma Treatment toward Peroxidase Mimics with Enhanced Catalysis. <i>Analytical Chemistry</i> , 2020, 92, 5152-5157.	6.5	37

#	ARTICLE	IF	CITATIONS
109	Copper-catalyzed cyanoalkylation of activated alkenes with AIBN: a convenient and efficient approach to cyano-containing oxindoles. RSC Advances, 2014, 4, 48535-48538.	3.6	36
110	H ₂ O-controlled selective thiocyanation and alkenylation of ketene dithioacetals under electrochemical oxidation. Green Chemistry, 2019, 21, 3597-3601.	9.0	36
111	A visible light-driven photoelectrochemical sensor for mercury (II) with "turn-on" signal output through in-situ formation of double type-II heterostructure using CdS nanowires and ZnS quantum dots. Chemical Engineering Journal, 2022, 441, 136073.	12.7	36
112	Metal-free n-Et ₄ NBr-catalyzed radical cyclization of disulfides and alkynes leading to benzothiophenes under mild conditions. RSC Advances, 2014, 4, 48547-48553.	3.6	35
113	In situ growth of CeO ₂ on g-C ₃ N ₄ nanosheets toward a spherical g-C ₃ N ₄ /CeO ₂ nanozyme with enhanced peroxidase-like catalysis: a selective colorimetric analysis strategy for mercury(II). Nanoscale, 2020, 12, 21440-21446.	5.6	35
114	Direct thiolation of methoxybenzenes with thiols under metal-free conditions by iodine catalysis. Tetrahedron Letters, 2015, 56, 4792-4795.	1.4	34
115	Metal-free direct difunctionalization of alkenes with I ₂ O ₅ and P(O)H compounds leading to β -iodophosphates. Organic Chemistry Frontiers, 2015, 2, 1356-1360.	4.5	34
116	Metal-free I ₂ O ₅ -mediated direct construction of sulfonamides from thiols and amines. Organic and Biomolecular Chemistry, 2017, 15, 4789-4793.	2.8	34
117	Design of organic/inorganic nanocomposites for ultrasensitive electrochemical detection of a cancer biomarker protein. Talanta, 2020, 212, 120794.	5.5	34
118	Turning on the Photoelectrochemical Responses of Cd Probe-Deposited g-C ₃ N ₄ Nanosheets by Nitrogen Plasma Treatment toward a Selective Sensor for H ₂ S. ACS Applied Materials & Interfaces, 2021, 13, 2052-2061.	8.0	34
119	Novel immunoassay for Toxoplasma gondii-specific immunoglobulin G using a silica nanoparticle-based biomolecular immobilization method. Analytica Chimica Acta, 2004, 501, 37-43.	5.4	33
120	A fluorometric microarray with ZnO substrate-enhanced fluorescence and suppressed "coffee-ring" effects for fluorescence immunoassays. Nanoscale, 2015, 7, 18453-18458.	5.6	33
121	In-situ encapsulating gold nanowires into hemin-coupled protein scaffolds through biomimetic assembly towards the nanocomposites with strong catalysis, electrocatalysis, and fluorescence properties. Nanoscale, 2017, 9, 16005-16011.	5.6	33
122	Label-Free Sensing of Human 8-Oxoguanine DNA Glycosylase Activity with a Nanopore. ACS Sensors, 2018, 3, 512-518.	7.8	33
123	Superwetttable Microwell Arrays Constructed by Photocatalysis of Silver-Doped-ZnO Nanorods for Ultrasensitive and High-Throughput Electroanalysis of Glutathione in Hela Cells. ACS Applied Materials & Interfaces, 2018, 10, 32038-32046.	8.0	33
124	Silver Nanoclusters with Specific Ion Recognition Modulated by Ligand Passivation toward Fluorimetric and Colorimetric Copper Analysis and Biological Imaging. Scientific Reports, 2016, 6, 20553.	3.3	32
125	Silver nanoclusters with enhanced fluorescence and specific ion recognition capability triggered by alcohol solvents: a highly selective fluorimetric strategy for detecting iodide ions in urine. Chemical Communications, 2017, 53, 9466-9469.	4.1	32
126	Electroreductive C3 Pyridylation of Quinoxalin-2(1H)-ones: An Effective Way to Access Bidentate Nitrogen Ligands. Organic Letters, 2021, 23, 1081-1085.	4.6	32

#	ARTICLE	IF	CITATIONS
127	A simple and novel colorimetric assay for tyrosinase and inhibitor screening using 3,3',5,5'-tetramethylbenzidine as a chromogenic probe. <i>Talanta</i> , 2017, 175, 457-462.	5.5	31
128	Probing glutathione reductase activity with graphene quantum dots and gold nanoparticles system. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 27-35.	7.8	31
129	Plasma-assisted doping of nitrogen into cobalt sulfide for loading cadmium sulfide: A direct Z-scheme heterojunction for efficiently photocatalytic Cr(VI) reduction under visible light. <i>Chemical Engineering Journal</i> , 2021, 417, 129222.	12.7	31
130	A novel biosensing interfacial design produced by assembling nano-Au particles on amine-terminated plasma-polymerized films. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 632-638.	3.7	30
131	Magnetic Copper Ferrite Nanoparticles: An Inexpensive, Efficient, Recyclable Catalyst for the Synthesis of Substituted Benzoxazoles via Ullmann-Type Coupling under Ligand-Free Conditions. <i>Synlett</i> , 2014, 25, 729-735.	1.8	29
132	A rapid, accurate and sensitive method with the new stable isotopic tags based on microwave-assisted dispersive liquid-liquid microextraction and its application to the determination of hydroxyl UV filters in environmental water samples. <i>Talanta</i> , 2017, 167, 242-252.	5.5	29
133	Synthesis of Substituted Naphtho[1,8- <i>bc</i>]thiopyrans by Sulfhydryl-Directed Rhodium-Catalyzed <i>peri</i> -Selective C-H Bond Activation and Cyclization of Naphthalene-1-thiols. <i>Organic Letters</i> , 2020, 22, 7825-7830.	4.6	29
134	Carbon nitride-doped melamine-silver adsorbents with peroxidase-like catalysis and visible-light photocatalysis: Colorimetric detection and detoxification removal of total mercury. <i>Journal of Hazardous Materials</i> , 2021, 408, 124978.	12.4	29
135	A piezoelectric immunoassay based on self-assembled monolayers of cystamine and polystyrene sulfonate for determination of <i>Schistosoma japonicum</i> antibodies. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 803-809.	3.7	28
136	Enzyme-catalyzed amplified immunoassay for the detection of <i>Toxoplasma gondii</i> -specific IgG using Faradaic impedance spectroscopy, CV and QCM. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1491-1499.	3.7	28
137	Investigation on the distribution and fate of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in a sewage-impacted bay. <i>Environmental Pollution</i> , 2015, 205, 186-198.	7.5	28
138	Mesoporous Silver-Melamine Nanowires Formed by Controlled Supramolecular Self-Assembly: A Selective Solid-State Electroanalysis for Probing Multiple Sulfides in Hyperhaline Media through the Specific Sulfide-Chloride Replacement Reactions. <i>Analytical Chemistry</i> , 2017, 89, 9552-9558.	6.5	28
139	A π - π fluorescence sensor for ascorbic acid based on graphene quantum dots via fluorescence resonance energy transfer. <i>Analytical Methods</i> , 2018, 10, 611-616.	2.7	28
140	Probing NAD ⁺ /NADH-dependent biocatalytic transformations based on oxidase mimics of MnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 896-903.	7.8	28
141	Development of quartz-crystal-microbalance-based immunosensor array for clinical immunophenotyping of acute leukemias. <i>Analytical Biochemistry</i> , 2006, 351, 69-76.	2.4	27
142	Au nanoparticle network-type thin films formed via mixed assembling and cross-linking route for biosensor application: Quartz crystal microbalance study. <i>Analytical Biochemistry</i> , 2007, 365, 1-6.	2.4	27
143	A universal amplified strategy for aptasensors: Enhancing sensitivity through allostery-triggered enzymatic recycling amplification. <i>Biosensors and Bioelectronics</i> , 2012, 38, 121-125.	10.1	27
144	High-throughput, selective, and sensitive colorimetry for free microRNAs in blood via exonuclease I digestion and hemin-G-quadruplex catalysis reactions based on a π -self-cleaning-functionalized microarray. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 198-204.	7.8	27

#	ARTICLE	IF	CITATIONS
145	A fluorescent assay for alkaline phosphatase activity based on inner filter effect by in-situ formation of fluorescent azamondardine. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127145.	7.8	27
146	Quartz crystal microbalance bioaffinity sensor for biotin based on mixed self-assembled monolayers and metastable molecular complex receptor. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1545-1552.	10.1	26
147	A Direct Electrochemical Biosensing Platform Constructed by Incorporating Carbon Nanotubes and Gold Nanoparticles onto Redox Poly(thionine) Film. <i>Analytical Sciences</i> , 2007, 23, 235-239.	1.6	26
148	“One-drop-of-blood” electroanalysis of lead levels in blood using a foam-like mesoporous polymer of melamine-formaldehyde and disposable screen-printed electrodes. <i>Analyst</i> , 2015, 140, 1832-1836.	3.5	26
149	A copper-catalyzed cascade reaction of o-bromoaryl isothiocyanates with isocyanides leading to benzo[d]imidazo[5,1-b]thiazoles under ligand-free conditions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 556-560.	4.5	26
150	Mineralizing gold-silver bimetal into hemin-melamine matrix: A nanocomposite nanozyme for visual colorimetric analysis of H ₂ O ₂ and glucose. <i>Analytica Chimica Acta</i> , 2019, 1092, 57-65.	5.4	26
151	Effective photocatalytic salicylic acid removal under visible light irradiation using Ag ₂ S/AgI-Bi ₂ S ₃ /BiOI with Z-scheme heterojunctions. <i>Applied Surface Science</i> , 2019, 481, 1335-1343.	6.1	26
152	Zeolitic imidazolate framework-8 for ratiometric fluorescence sensing tetracyclines in environmental water based on AIE effects. <i>Analytica Chimica Acta</i> , 2022, 1199, 339576.	5.4	26
153	Fluorimetric Mercury Test Strips with Suppressed “Coffee Stains” by a Bio-inspired Fabrication Strategy. <i>Scientific Reports</i> , 2016, 6, 36494.	3.3	25
154	Polymerizing dopamine onto Q-graphene scaffolds towards the fluorescent nanocomposites with high aqueous stability and enhanced fluorescence for the fluorescence analysis and imaging of copper ions. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 234-242.	7.8	25
155	Simple and label-free fluorescence detection of ascorbic acid in rat brain microdialysates in the presence of catecholamines. <i>New Journal of Chemistry</i> , 2018, 42, 3851-3856.	2.8	25
156	Magnetic mesoporous thiourea-formaldehyde resin as selective adsorbent: A simple and highly-sensitive electroanalysis strategy for lead ions in drinking water and milk by solid state-based anodic stripping. <i>Food Chemistry</i> , 2018, 239, 40-47.	8.2	25
157	Highly selective and reproducible electroanalysis for histidine in blood with turn-on responses at a potential approaching zero using tetrahedral copper metal organic frameworks. <i>Chemical Communications</i> , 2019, 55, 1271-1274.	4.1	25
158	Fabrication of test strips with gold-silver nanospheres and metal-organic frameworks: A fluorimetric method for sensing trace cysteine in hela cells. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127198.	7.8	25
159	Electrochemical-Induced Transfer Hydrogenation of Imidazopyridines with Secondary Amine as Hydrogen Donor. <i>Organic Letters</i> , 2020, 22, 8824-8828.	4.6	25
160	A novel immunosensor based on self-assembled chitosan/alginate multilayers for the detection of factor B. <i>Sensors and Actuators B: Chemical</i> , 2004, 99, 123-129.	7.8	24
161	Q-graphene-scaffolded covalent organic frameworks as fluorescent probes and sorbents for the fluorimetry and removal of copper ions. <i>Analytica Chimica Acta</i> , 2019, 1057, 88-97.	5.4	24
162	Fluorimetric evaluation of glutathione reductase activity and its inhibitors using carbon quantum dots. <i>Talanta</i> , 2016, 161, 769-774.	5.5	23

#	ARTICLE	IF	CITATIONS
163	Metal- and solvent-free, iodine-catalyzed cyclocondensation and C-H bond sulphenylation: A facile access to C-4 sulphenylated pyrazoles via a domino multicomponent reaction. <i>Tetrahedron</i> , 2017, 73, 2022-2029.	1.9	23
164	In situ quantification and evaluation of $\text{ClO}^-/\text{H}_2\text{S}$ homeostasis in inflammatory gastric tissue by applying a rationally designed dual-response fluorescence probe featuring a novel H^+/pH -activated mechanism. <i>Analyst</i> , 2017, 142, 1619-1627.	3.5	23
165	Recent Advances on the Photocatalytic and Electrocatalytic Thiocyanation Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1117.	1.3	23
166	Detection of catechin based on its electrochemical autoxidation. <i>Talanta</i> , 2005, 65, 511-517.	5.5	22
167	Oxone-mediated oxidative carbon-heteroatom bond cleavage: synthesis of benzoxazinones from benzoxazoles with α -oxocarboxylic acids. <i>RSC Advances</i> , 2014, 4, 8720.	3.6	22
168	Metal-free TBHP-mediated oxidative ring openings of 2-arylimidazopyridines via regioselective cleavage of C-C and C-N bonds. <i>RSC Advances</i> , 2015, 5, 100102-100105.	3.6	22
169	C-phycocyanin from <i>Spirulina maxima</i> as a Green Fluorescent Probe for the Highly Selective Detection of Mercury(II) in Seafood. <i>Food Analytical Methods</i> , 2017, 10, 1931-1939.	2.6	22
170	Fabrication of polyethyleneimine-functionalized reduced graphene oxide-hemin-bovine serum albumin (PEI-rGO-hemin-BSA) nanocomposites as peroxidase mimetics for the detection of multiple metabolites. <i>Analytica Chimica Acta</i> , 2019, 1070, 80-87.	5.4	22
171	A terbium(III)-functionalized zinc(II)-organic framework for fluorometric determination of phosphate. <i>Mikrochimica Acta</i> , 2020, 187, 84.	5.0	22
172	Hollow C@MoS ₂ nanotubes with Hg ²⁺ -triggered oxidase-like catalysis: A colorimetric method for detection of Hg ²⁺ ions in wastewater. <i>Sensors and Actuators B: Chemical</i> , 2022, 361, 131725.	7.8	22
173	Adsorbed BMP-2 in polyelectrolyte multilayer films for enhanced early osteogenic differentiation of mesenchymal stem cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 434, 110-117.	4.7	21
174	Magnetic copper ferrite nanoparticles/TEMPO catalyzed selective oxidation of activated alcohols to aldehydes under ligand- and base-free conditions in water. <i>RSC Advances</i> , 2014, 4, 64930-64935.	3.6	21
175	Doping Carbon Nitride Quantum Dots into Melamine-Silver Matrix: An Efficient Photocatalyst with Tunable Morphology and Photocatalysis for H_2O_2 Evolution under Visible Light. <i>ChemCatChem</i> , 2020, 12, 1512-1518.	3.7	21
176	Coating Fe ₃ O ₄ quantum dots with sodium alginate showing enhanced catalysis for capillary array-based rapid analysis of H ₂ O ₂ in milk. <i>Food Chemistry</i> , 2022, 380, 132188.	8.2	21
177	A reusable piezo-immunosensor with amplified sensitivity for ceruloplasmin based on plasma-polymerized film. <i>Talanta</i> , 2004, 62, 199-206.	5.5	20
178	Superhydrophobic surface-based magnetic electrochemical immunoassay for detection of <i>Schistosoma japonicum</i> antibodies. <i>Biosensors and Bioelectronics</i> , 2012, 33, 23-28.	10.1	20
179	Facile Access to Benzothiophenes through Metal-Free Iodine-Catalyzed Intermolecular Cyclization of Thiophenols and Alkynes. <i>Synlett</i> , 2015, 26, 1890-1894.	1.8	20
180	A highly specific and sensitive electroanalytical strategy for microRNAs based on amplified silver deposition by the synergic TiO ₂ photocatalysis and guanine photoreduction using charge-neutral probes. <i>Chemical Communications</i> , 2015, 51, 16131-16134.	4.1	20

#	ARTICLE	IF	CITATIONS
181	Fluorimetric and colorimetric analysis of total iron ions in blood or tap water using nitrogen-doped carbon dots with tunable fluorescence. <i>New Journal of Chemistry</i> , 2018, 42, 9676-9683.	2.8	20
182	A highly selective "turn-on" electroanalysis strategy with reduced copper metal-organic frameworks for sensing histamine and histidine. <i>Nanoscale</i> , 2019, 11, 17401-17406.	5.6	20
183	A visualized colorimetric detection strategy for heparin in serum using a metal-free polymer nanozyme. <i>Microchemical Journal</i> , 2019, 145, 864-871.	4.5	20
184	An electroanalysis strategy for glutathione in cells based on the displacement reaction route using melamine-copper nanocomposites synthesized by the controlled supermolecular self-assembly. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 89-95.	10.1	20
185	One-Pot Copper-Catalyzed Aerobic Decarboxylative Coupling of Phenylacetic Acids with <i>o</i> -Aminobenzenes and Dioxygen as the Oxidant Leading to Benzoxazoles and Benzothiazoles. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 969-973.	2.7	19
186	Polyhydric polymer-functionalized fluorescent probe with enhanced aqueous solubility and specific ion recognition: A test strips-based fluorimetric strategy for the rapid and visual detection of Fe ³⁺ ions. <i>Talanta</i> , 2017, 170, 306-313.	5.5	19
187	Transforming glucose into fluorescent graphene quantum dots via microwave radiation for sensitive detection of Al ³⁺ ions based on aggregation-induced enhanced emission. <i>Analyst</i> , 2020, 145, 6981-6986.	3.5	19
188	Electrochemical-Induced Hydrogenation of Electron-Deficient Internal Olefins and Alkynes with CH ₃ OH as Hydrogen Donor. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2104-2109.	4.3	19
189	Visible-light-promoted cascade cyclization towards benzo[<i>d</i>]imidazo[5,1- <i>b</i>]thiazoles under metal- and photocatalyst-free conditions. <i>Green Chemistry</i> , 2021, 23, 1286-1291.	9.0	19
190	Rapid, Simple, and Sensitive Immunoagglutination Assay with SiO ₂ Particles and Quartz Crystal Microbalance for Quantifying <i>Schistosoma japonicum</i> Antibodies. <i>Clinical Chemistry</i> , 2006, 52, 2065-2071.	3.2	18
191	Reconstituting redox active centers of heme-containing proteins with biomineralized gold toward peroxidase mimics with strong intrinsic catalysis and electrocatalysis for H ₂ O ₂ detection. <i>Biosensors and Bioelectronics</i> , 2017, 87, 1036-1043.	10.1	18
192	An urchin-like Ag ₃ PO ₄ /Pd/LaPO ₄ photocatalyst with Z-scheme heterojunction for enhanced hydrogen evolution. <i>Applied Surface Science</i> , 2019, 497, 143771.	6.1	18
193	Detection of antisperm antibody in human serum using a piezoelectric immunosensor based on mixed self-assembled monolayers. <i>Analytica Chimica Acta</i> , 2005, 540, 279-284.	5.4	17
194	Mussel-inspired fabrication of encoded polymer films for electrochemical identification. <i>Electrochemistry Communications</i> , 2009, 11, 1936-1939.	4.7	17
195	An efficient route to regioselective functionalization of benzo[<i>b</i>]thiophenes via palladium-catalyzed decarboxylative Heck coupling reactions: insights from experiment and computation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 895-904.	2.8	17
196	Polyhydric polymer-loaded pyrene composites as powerful adsorbents and fluorescent probes: highly efficient adsorption and test strips-based fluorimetric analysis of curcumin in urine and plant extracts. <i>Analyst</i> , 2018, 143, 392-395.	3.5	17
197	Bottom-Up Fabrication of a Sandwich-Like Carbon/Graphene Heterostructure with Built-In FeNC Dopants as Non-Noble Electrocatalyst for Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2020, 15, 432-439.	3.3	17
198	A highly selective and recyclable sensor for the electroanalysis of phosphothioate pesticides using silver-doped ZnO nanorods arrays. <i>Analytica Chimica Acta</i> , 2021, 1152, 338285.	5.4	17

#	ARTICLE	IF	CITATIONS
199	Sensitive, accurate and rapid detection of trace aliphatic amines in environmental samples with ultrasonic-assisted derivatization microextraction using a new fluorescent reagent for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1352, 8-19.	3.7	16
200	I2O5/DBU mediated direct α -phosphoryloxylation of ketones with H-phosphonates leading to α -hydroxyketone phosphates. <i>Tetrahedron</i> , 2015, 71, 6901-6906.	1.9	16
201	Amperometric Tyrosinase Biosensor Using Enzyme-labeled Au Colloids Immobilized on Cystamine/Chitosan Modified Gold Surface. <i>Analytical Letters</i> , 2004, 37, 1079-1091.	1.8	15
202	Iron-catalyzed three-component tandem process: a novel and convenient synthetic route to quinoline-2,4-dicarboxylates from arylamines, glyoxylic esters, and α -ketoesters. <i>Tetrahedron</i> , 2013, 69, 10747-10751.	1.9	15
203	Direct cross-coupling of aryl alkynyl iodides with arylsulfinic acids leading to alkynyl sulfones under catalyst-free conditions. <i>Tetrahedron Letters</i> , 2017, 58, 4799-4802.	1.4	15
204	A label-free fluorimetric detection of biothiols based on the oxidase-like activity of Ag ⁺ ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 20-25.	3.9	15
205	A Naphthalimide-based NDQ Photocatalyst for Sulfonation of Alkenes to Access α -ketosulfones Under Visible Light. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3456-3461.	2.4	15
206	Synthesis of Polysubstituted Phenols by Rhodium-catalyzed C [~] H/Diazo Coupling and Tandem Annulation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1855-1860.	4.3	15
207	Highly selective fluorometric detection of para-nitrophenol from its isomers by nitrogen-doped graphene quantum dots. <i>Microchemical Journal</i> , 2021, 168, 106389.	4.5	15
208	A novel biosensing interfacial design based on the assembled multilayers of the oppositely charged polyelectrolytes. <i>Analytica Chimica Acta</i> , 2005, 532, 137-144.	5.4	14
209	Piezoelectric immunoassay for complement C4 based on a Nafion-modified interface for antibody immobilization. <i>Journal of Immunological Methods</i> , 2005, 299, 1-8.	1.4	14
210	Metal-Free Direct Hydrosulfonylation of Azodicarboxylates with Sulfinic Acids Leading to Sulfonylhydrazine Derivatives. <i>Synthetic Communications</i> , 2015, 45, 1574-1584.	2.1	14
211	A high-throughput fluorimetric microarray with enhanced fluorescence and suppressed "coffee-ring" effects for the detection of calcium ions in blood. <i>Scientific Reports</i> , 2016, 6, 38602.	3.3	14
212	Super-hydrophobic Silver-Doped TiO ₂ @ Polycarbonate Coatings Created on Various Material Substrates with Visible-Light Photocatalysis for Self-Cleaning Contaminant Degradation. <i>Scientific Reports</i> , 2017, 7, 42932.	3.3	14
213	Direct Iodosulfonylation of Alkyl ynones with Sulfonylhydrazides and Iodine Pentoxide Leading to Multisubstituted α,β -Enones. <i>Synlett</i> , 2018, 29, 830-834.	1.8	14
214	Transition-metal-free KI-catalyzed regioselective sulfenylation of 4-anilinocoumarins using Bunte salts. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8015-8019.	2.8	14
215	A selective colorimetric strategy for probing dopamine and levodopa through the mussel-inspired enhancement of Fe ₃ O ₄ catalysis. <i>Chemical Communications</i> , 2019, 55, 12008-12011.	4.1	14
216	Coating silver metal-organic frameworks onto nitrogen-doped porous carbons for the electrochemical sensing of cysteine. <i>Mikrochimica Acta</i> , 2020, 187, 493.	5.0	14

#	ARTICLE	IF	CITATIONS
217	One-pot fabrication of nanozyme with 2D/1D heterostructure by in-situ growing MoS ₂ nanosheets onto single-walled carbon nanotubes with enhanced catalysis for colorimetric detection of glutathione. <i>Analytica Chimica Acta</i> , 2022, 1221, 340083.	5.4	14
218	Immunophenotyping of Acute Leukemias Using a Quartz Crystal Microbalance and Monoclonal Antibody-Coated Magnetic Microspheres. <i>Analytical Chemistry</i> , 2006, 78, 2571-2578.	6.5	13
219	Synthesis of 2-Aryl Benzothiazoles via K ₂ S ₂ O ₈ -Mediated Oxidative Condensation of Benzothiazoles with Benzylamines. <i>Synlett</i> , 2013, 24, 1549-1554.	1.8	13
220	Simple and fast determination of catecholamines in pharmaceutical samples using Ag+@3,3',5,5'-tetramethylbenzidine as a colorimetric probe. <i>Analytical Methods</i> , 2015, 7, 6785-6790.	2.7	13
221	Sensitive fluorescence "turn-on" detection of bleomycin based on a superquenched perylene-DNA complex. <i>RSC Advances</i> , 2015, 5, 86849-86854.	3.6	13
222	Copper-catalyzed decarboxylative stereospecific amidation of cinnamic acids with N-fluorobenzenesulfonimide. <i>RSC Advances</i> , 2016, 6, 72361-72365.	3.6	13
223	Highly selective electroanalysis for chloride ions by conductance Signal outputs of solid-state AgCl electrochemistry using silver-melamine nanowires. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127058.	7.8	13
224	A selective colorimetric and efficient removal strategy for mercury (II) using mesoporous silver-melamine nanocomposites synthesized by controlled supramolecular self-assembly. <i>Journal of Hazardous Materials</i> , 2020, 388, 121798.	12.4	13
225	A fluorimetric testing strip for the visual evaluation of mercury in blood using copper nanoclusters with DMSO-enhanced fluorescence and stability. <i>Nanoscale</i> , 2020, 12, 24079-24084.	5.6	13
226	Nitrogen plasma-mediated deposition of silver onto MoS ₂ towards robust nanozyme with enhanced catalysis for colorimetric assay of hydrogen sulfide in aquaculture water. <i>Applied Surface Science</i> , 2022, 597, 153686.	6.1	13
227	Development of ultrasonic-assisted closed in-syringe extraction and derivatization for the determination of labile abietic acid and dehydroabietic acid in cosmetics. <i>Journal of Chromatography A</i> , 2014, 1371, 20-29.	3.7	12
228	Crosslinking catalysis-active center of hemin on the protein scaffold toward peroxidase mimic with powerful catalysis. <i>RSC Advances</i> , 2016, 6, 47595-47599.	3.6	12
229	A capillary-based fluorimetric platform for the evaluation of glucose in blood using gold nanoclusters and glucose oxidase in the ZIF-8 matrix. <i>Analyst</i> , The, 2020, 145, 5273-5279.	3.5	12
230	A highly sensitive and visible-light-driven photoelectrochemical sensor for chlorpyrifos detection using hollow Co ₉ S ₈ @CdS heterostructures. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130719.	7.8	12
231	Nitrocellulose strip array assembled on superhydrophobic surface: An aqueous solution diffusion-localized platform for multianalyte immunogold staining assays. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3272-3277.	10.1	11
232	The Application of Assembled Inorganic and Organic Hybrid Nanoarchitecture of Prussian Blue/Polymers/Graphene in Glucose Biosensing. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 275-281.	3.7	11
233	Highly sensitive and selective fluorescence detection of Hg(II) ions based on R-phycoerythrin from <i>Porphyra yezoensis</i> . <i>RSC Advances</i> , 2016, 6, 114685-114689.	3.6	11
234	NBS/DBU mediated one-pot synthesis of α -acyloxyketones from benzylic secondary alcohols and carboxylic acids. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10998-11001.	2.8	11

#	ARTICLE	IF	CITATIONS
235	Multifunctional Nanocomposite Films for Synergistic Delivery of bFGF and BMP-2. ACS Omega, 2017, 2, 899-909.	3.5	11
236	A sandwiched electroanalysis method for probing Anthrax DNAs based on glucose-induced gold growth and catalytic coupling of tyramine using gold-mineralized glucose oxidase. Sensors and Actuators B: Chemical, 2018, 261, 441-450.	7.8	11
237	A sensitive and selective electroanalysis strategy for histidine using the wettable well electrodes modified with graphene quantum dot-scaffolded melamine and copper nanocomposites. Nanoscale, 2019, 11, 2126-2130.	5.6	11
238	A phosphorylation-sensitive tyrosine-tailored magnetic particle for electrochemically probing free organophosphates in blood. Analyst, The, 2014, 139, 5466-5471.	3.5	10
239	Nanocomposite plasters for the treatment of superficial tumors by chemo-photothermal combination therapy. International Journal of Nanomedicine, 2018, Volume 13, 6235-6247.	6.7	10
240	A magnet-renewable electroanalysis strategy for hydrogen sulfide in aquaculture freshwater using magnetic silver metal-organic frameworks. Analytica Chimica Acta, 2022, 1195, 339450.	5.4	10
241	A plasma-polymerized film for capacitance immunosensing. Biosensors and Bioelectronics, 2004, 20, 841-847.	10.1	9
242	Aspects of recent development of immunosensors. , 2008, , 237-260.		9
243	Tunable swelling of polyelectrolyte multilayers in cell culture media for modulating NIH-3T3 cells adhesion. Journal of Biomedical Materials Research - Part A, 2014, 102, 4071-4077.	4.0	9
244	Simultaneous absorbance-ratiometric, fluorimetric, and colorimetric analysis and biological imaging of α -ketoglutaric acid based on a special sensing mechanism. Sensors and Actuators B: Chemical, 2017, 241, 1035-1042.	7.8	9
245	A fluorimetric test strip with suppressed "Coffee Ring Effect" for selective mercury ion analysis. Analyst, The, 2022, 147, 2633-2639.	3.5	9
246	Cavity length and stripe width dependent lasing characteristics of InAs/InP(1 0 0) quantum dot lasers. Infrared Physics and Technology, 2016, 75, 51-55.	2.9	8
247	Determination of three phenoxyacid herbicides in environmental water samples by the application of dispersive liquid-liquid microextraction coupled with micellar electrokinetic chromatography. Open Chemistry, 2013, 11, 394-403.	1.9	7
248	<i>In situ</i> creation of ZnO@CdS nanoflowers on ITO electrodes for sensitive photoelectrochemical detection of copper ions in blood. Journal of Materials Chemistry B, 2021, 9, 5869-5876.	5.8	7
249	A selective electroanalysis and photocatalytic removal strategy for pesticide residues using urchin-like LaPO ₄ @Ag. Electrochimica Acta, 2022, 410, 140039.	5.2	7
250	Water-soluble non-conjugated polymer dots with strong green fluorescence for sensitive detection of organophosphate pesticides. Analytica Chimica Acta, 2022, 1206, 339792.	5.4	7
251	Improved Method for the Extraction and Determination of Bromophenols in Seafoods by High-Performance Liquid Chromatography with Fluorescence Detection. Journal of Agricultural and Food Chemistry, 2012, 60, 10985-10990.	5.2	6
252	Accurate Analysis and Evaluation of Acidic Plant Growth Regulators in Transgenic and Nontransgenic Edible Oils with Facile Microwave-Assisted Extraction "Derivatization. Journal of Agricultural and Food Chemistry, 2015, 63, 8058-8067.	5.2	6

#	ARTICLE	IF	CITATIONS
253	Catalyst-Free Regioselective C-3 Nitrosation of Imidazopyridines with tert-Butyl Nitrite under Neutral Conditions. <i>Synthesis</i> , 2015, 48, 122-130.	2.3	4
254	Electrochemical behavior and voltammetric determination of dihydronicotinamide adenine dinucleotide using a glassy carbon electrode modified with single-walled carbon nanohorns. <i>Ionics</i> , 2015, 21, 2911-2917.	2.4	4
255	Encapsulating chromogenic reaction substrates with porous hydrogel scaffolds onto arrayed capillary tubes toward a visual and high-throughput colorimetric strategy for rapid occult blood tests. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1159-1165.	5.8	4
256	Synergic TiO_2 photocatalysis and guanine photoreduction for silver deposition amplification: an ultrasensitive and high-throughput visualized colorimetric analysis strategy for anthrax DNAs in blood using a wettable microwells array. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7503-7510.	5.8	4
257	Wavelength tuning of InAs quantum dot laser by micromirror device. <i>Journal of Crystal Growth</i> , 2015, 425, 373-375.	1.5	3
258	Fabricating a wettable microwells array onto a nitrogen plasma-treated ITO substrate: high-throughput fluorimetric platform for selective sensing of ammonia in blood using polymer-stabilized NH_2 -MIL-125. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5998-6005.	5.8	3
259	Iridium Oxide Film-Enhanced Impedance Immunosensor for Rapid Detection of Carcinoembryonic Antigen. <i>Chinese Journal of Chemistry</i> , 2007, 25, 1288-1293.	4.9	2
260	Bleomycin-Fe(II) agent with potentiality for treating drug-resistant H1N1 influenza virus: A study using electrochemical RNA beacons. <i>Analytica Chimica Acta</i> , 2021, 1180, 338862.	5.4	2
261	L-Cysteine Modulated ZIF for Deriving Nitrogen-Doped Porous Carbon: A Highly Efficient and Stable Electrocatalyst for Oxygen Reduction Reactions. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0