

Hua Wang

List of Publications by Year in descending order

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261
papers

12,208
citations

19608

61
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42291

92
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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.	3.2	329
2	Copper-catalyzed direct oxysulfonylation of alkenes with dioxygen and sulfonylhydrazides leading to Î²-ketosulfones. <i>Chemical Communications</i> , 2013, 49, 10239.	2.2	252
3	Metal-Free C(sp ²)â€“H/Nâ€“H Cross-Dehydrogenative Coupling of Quinoxalinones with Aliphatic Amines under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2018, 20, 7125-7130.	2.4	213
4	Rapid, Selective, and Ultrasensitive Fluorimetric Analysis of Mercury and Copper Levels in Blood Using Bimetallic Goldâ€“Silver Nanoclusters with â€œSilver Effectâ€•Enhanced Red Fluorescence. <i>Analytical Chemistry</i> , 2014, 86, 11714-11721.	3.2	210
5	Decarboxylative Acylation of Cyclic Enamides with Î±-Oxocarboxylic Acids by Palladium-Catalyzed Câ€“H Activation at Room Temperature. <i>Organic Letters</i> , 2012, 14, 4358-4361.	2.4	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.	2.2	181
7	Metal-free oxidative hydroxyalkylation of activated alkenes by direct sp ³ Câ€“H functionalization of alcohols. <i>Chemical Communications</i> , 2013, 49, 7540.	2.2	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.	4.6	153
9	Catalyst-Free Regioselective C-3 Thiocyanation of Imidazopyridines. <i>Journal of Organic Chemistry</i> , 2015, 80, 11073-11079.	1.7	150
10	Silverâ€“Catalyzed Decarboxylative Acylation of Acrylamides with Î±-Oxocarboxylic Acids in Aqueous Media. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2222-2226.	2.1	149
11	Silver-catalyzed oxidative coupling/cyclization of acrylamides with 1,3-dicarbonyl compounds. <i>Chemical Communications</i> , 2013, 49, 10370-10372.	2.2	148
12	Metal-Free Visible-Light-Induced Câ€“H/Câ€“H Cross-Dehydrogenative-Coupling of Quinoxalin-2(H)-ones with Simple Ethers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17252-17257.	3.2	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.	4.6	145
14	Recent advances in catalytic decarboxylative acylation reactions via a radical process. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7380-7391.	1.5	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.	4.0	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.	5.7	136
17	Silver-Mediated Radical Cyclization of Alkynoates and Î±-Keto Acids Leading to Coumarins via Cascade Double Câ€“C Bond Formation. <i>Journal of Organic Chemistry</i> , 2015, 80, 1550-1556.	1.7	134
18	Magnetic Electrochemical Immunoassays with Quantum Dot Labels for Detection of Phosphorylated Acetylcholinesterase in Plasma. <i>Analytical Chemistry</i> , 2008, 80, 8477-8484.	3.2	128

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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.	1.7	125
20	Visible-light initiated direct oxysulfonylation of alkenes with sulfinic acids leading to Î²-ketosulfones. <i>Green Chemistry</i> , 2016, 18, 5630-5634.	4.6	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.	1.7	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.	1.7	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.	2.4	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.	4.6	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.	2.4	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.	4.0	115
27	Visible light-induced C-H sulfenylation using sulfinic acids. <i>Green Chemistry</i> , 2017, 19, 4785-4791.	4.6	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 Î±-glucosidase inhibitor screening. <i>Biosensors and Bioelectronics</i> , 2016, 79, 728-735.	5.3	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.	2.8	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.	3.2	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.	3.2	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.	1.5	97
33	Decarboxylative Alkynylation of Î±-Keto Acids and Oxamic Acids in Aqueous Media. <i>Organic Letters</i> , 2015, 17, 3054-3057.	2.4	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.	4.0	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.	2.9	96
36	Silver-catalyzed decarboxylative acylfluorination of styrenes in aqueous media. <i>Chemical Communications</i> , 2014, 50, 7382.	2.2	94

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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.	4.0	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.	5.7	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.	2.1	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.	1.7	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.	1.1	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.	2.5	82
43	High-throughput colorimetric assays for mercury (Hg^{2+}) 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.	2.2	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.	1.7	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.	6.6	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.	6.6	80
47	Metal-free Oxidative Coupling of Aromatic Alkenes with Thiols Leading to (E)-Vinyl Sulfones. <i>Journal of Organic Chemistry</i> , 2017, 82, 6857-6864.	1.7	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.	1.5	77
49	Metal-Free Iodine-Catalyzed Direct Arylthiation of Substituted Anilines with Thiols. <i>Journal of Organic Chemistry</i> , 2015, 80, 6083-6092.	1.7	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.	2.9	76
51	Bu_4NI -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.	1.5	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.	2.9	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.	5.3	70
54	Biomimerized gold-Hemin@MOF composites with peroxidase-like and gold catalysis activities: A high-throughput colorimetric immunoassay for alpha-fetoprotein in blood by ELISA and gold-catalytic silver staining. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 543-552.	4.0	70

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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.	1.7	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.	2.3	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.	1.5	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.	1.7	68
59	A piezoelectric immunoagglutination assay for <i>Toxoplasma gondii</i> antibodies using gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2004, 19, 701-709.	5.3	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.	4.0	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.	1.5	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.	1.9	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.	4.0	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.	1.0	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.	1.7	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.	5.2	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.	3.2	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.	1.7	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.	1.7	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.	1.7	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.	1.7	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

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73	Biomimetic photocatalytic sulfonation of alkenes to access β -ketosulfones with single-atom iron site. <i>Green Chemistry</i> , 2020, 22, 230-237.	4.6	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.	1.5	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.	6.5	55
76	Metal-free iodine-catalyzed direct cross-dehydrogenative coupling (CDC) between pyrazoles and thiols. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1457-1461.	2.3	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.	6.6	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.	3.2	51
79	A potentiometric acetylcholinesterase biosensor based on plasma-polymerized film. <i>Sensors and Actuators B: Chemical</i> , 2005, 104, 186-190.	4.0	49
80	Palladium-Catalyzed Alkylarylation of Acrylamides with Unactivated Alkyl Halides. <i>Journal of Organic Chemistry</i> , 2016, 81, 860-867.	1.7	49
81	Self-assembled polymer nanocomposites for biomedical application. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 35, 36-41.	3.4	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.	2.9	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.	4.0	48
85	DMSO-promoted regioselective synthesis of sulfenylated pyrazoles via a radical pathway. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1367-1371.	2.3	47
86	A novel piezoelectric immunosensor for detection of carcinoembryonic antigen. <i>Talanta</i> , 2005, 67, 217-220.	2.9	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.	1.6	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.	4.6	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> , The, 2014, 139, 4620-4628.	1.7	45
90	Direct difunctionalization of alkenes with sulfinic acids and NBS leading to β -bromo sulfones. <i>Tetrahedron Letters</i> , 2015, 56, 1808-1811.	0.7	45

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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.	5.3	44
92	Immunophenotyping of Acute Leukemia Using an Integrated Piezoelectric Immunosensor Array. <i>Analytical Chemistry</i> , 2004, 76, 2203-2209.	3.2	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.	2.2	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.	2.3	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.	1.4	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.	3.1	42
97	A reusable piezoelectric immunosensor using antibody-adsorbed magnetic nanocomposite. <i>Journal of Immunological Methods</i> , 2008, 332, 103-111.	0.6	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.	1.7	41
99	Direct coupling of haloquinolines and sulfonyl chlorides leading to sulfonylated quinolines in water. <i>Tetrahedron Letters</i> , 2019, 60, 214-218.	0.7	41
100	Nanogold particle-enhanced oriented adsorption of antibody fragments for immunosensing platforms. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2210-2217.	5.3	40
101	Mesoporous Poly(melamine-formaldehyde): A Green and Recyclable Heterogeneous Organocatalyst for the Synthesis of Benzoxazoles and Benzothiazoles Using Dioxide as Oxidant. <i>ChemCatChem</i> , 2014, 6, 3434-3439.	1.8	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.	1.6	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.	3.1	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.	4.0	38
105	Mechanistic insight into water-modulated cycloisomerization of enynyl esters using an Au catalyst. <i>Dalton Transactions</i> , 2015, 44, 5354-5363.	1.6	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.	1.7	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.	2.3	37
108	Doping Nitrogen into Q-Graphene by Plasma Treatment toward Peroxidase Mimics with Enhanced Catalysis. <i>Analytical Chemistry</i> , 2020, 92, 5152-5157.	3.2	37

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109	Copper-catalyzed cyanoalkylation of activated alkenes with AIBN: a convenient and efficient approach to cyano-containing oxindoles. <i>RSC Advances</i> , 2014, 4, 48535-48538.	1.7	36
110	H ₂ O-controlled selective thiocyanation and alkenylation of ketene dithioacetals under electrochemical oxidation. <i>Green Chemistry</i> , 2019, 21, 3597-3601.	4.6	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. <i>Chemical Engineering Journal</i> , 2022, 441, 136073.	6.6	36
112	Metal-free n-Et ₄ NBr-catalyzed radical cyclization of disulfides and alkynes leading to benzothiophenes under mild conditions. <i>RSC Advances</i> , 2014, 4, 48547-48553.	1.7	35
113	<i>In situ</i> 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). <i>Nanoscale</i> , 2020, 12, 21440-21446.	2.8	35
114	Direct thiolation of methoxybenzenes with thiols under metal-free conditions by iodine catalysis. <i>Tetrahedron Letters</i> , 2015, 56, 4792-4795.	0.7	34
115	Metal-free direct difunctionalization of alkenes with I ₂ O ₅ and P(O)H compounds leading to β -iodophosphates. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1356-1360.	2.3	34
116	Metal-free I ₂ O ₅ -mediated direct construction of sulfonamides from thiols and amines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4789-4793.	1.5	34
117	Design of organic/inorganic nanocomposites for ultrasensitive electrochemical detection of a cancer biomarker protein. <i>Talanta</i> , 2020, 212, 120794.	2.9	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. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2052-2061.	4.0	34
119	Novel immunoassay for <i>Toxoplasma gondii</i> -specific immunoglobulin G using a silica nanoparticle-based biomolecular immobilization method. <i>Analytica Chimica Acta</i> , 2004, 501, 37-43.	2.6	33
120	A fluorometric microarray with ZnO substrate-enhanced fluorescence and suppressed "coffee-ring" effects for fluorescence immunoassays. <i>Nanoscale</i> , 2015, 7, 18453-18458.	2.8	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. <i>Nanoscale</i> , 2017, 9, 16005-16011.	2.8	33
122	Label-Free Sensing of Human 8-Oxoguanine DNA Glycosylase Activity with a Nanopore. <i>ACS Sensors</i> , 2018, 3, 512-518.	4.0	33
123	Superwetable Microwell Arrays Constructed by Photocatalysis of Silver-Doped-ZnO Nanorods for Ultrasensitive and High-Throughput Electroanalysis of Glutathione in Hela Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32038-32046.	4.0	33
124	Silver Nanoclusters with Specific Ion Recognition Modulated by Ligand Passivation toward Fluorimetric and Colorimetric Copper Analysis and Biological Imaging. <i>Scientific Reports</i> , 2016, 6, 20553.	1.6	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. <i>Chemical Communications</i> , 2017, 53, 9466-9469.	2.2	32
126	Electroreductive C3 Pyridylation of Quinoxalin-2(1 <i>H</i>)-ones: An Effective Way to Access Bidentate Nitrogen Ligands. <i>Organic Letters</i> , 2021, 23, 1081-1085.	2.4	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.	2.9	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.	4.0	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.	6.6	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.	1.9	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.	1.0	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.	2.9	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.	2.4	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.	6.5	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.	1.9	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.	1.9	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.	3.7	28
138	Mesoporous Silver-Melamine Nanowires Formed by Controlled Supermolecular 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.	3.2	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.	1.3	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.	4.0	28
141	Development of quartz-crystal-microbalance-based immunosensor array for clinical immunophenotyping of acute leukemias. <i>Analytical Biochemistry</i> , 2006, 351, 69-76.	1.1	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.	1.1	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.	5.3	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 self-cleaning functionalized microarray. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 198-204.	4.0	27

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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.	4.0	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.	5.3	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.	0.8	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> , The, 2015, 140, 1832-1836.	1.7	26
149	A copper-catalyzed cascade reaction of o-bromoarylisothiocyanates with isocyanides leading to benzo[d]imidazo[5,1-b]thiazoles under ligand-free conditions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 556-560.	2.3	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.	2.6	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.	3.1	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.	2.6	26
153	Fluorimetric Mercury Test Strips with Suppressed “Coffee Stains” by a Bio-inspired Fabrication Strategy. <i>Scientific Reports</i> , 2016, 6, 36494.	1.6	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.	4.0	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.	1.4	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.	4.2	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.	2.2	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.	4.0	25
159	Electrochemical-Induced Transfer Hydrogenation of Imidazopyridines with Secondary Amine as Hydrogen Donor. <i>Organic Letters</i> , 2020, 22, 8824-8828.	2.4	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.	4.0	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.	2.6	24
162	Fluorimetric evaluation of glutathione reductase activity and its inhibitors using carbon quantum dots. <i>Talanta</i> , 2016, 161, 769-774.	2.9	23

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163	Metal- and solvent-free, iodine-catalyzed cyclocondensation and C-H bond sulphenylation: A facile access to C-4 sulfenylated pyrazoles via a domino multicomponent reaction. <i>Tetrahedron</i> , 2017, 73, 2022-2029.	1.0	23
164	In situ quantification and evaluation of ClO ⁻ /H ₂ S homeostasis in inflammatory gastric tissue by applying a rationally designed dual-response fluorescence probe featuring a novel H ⁺ -activated mechanism. <i>Analyst</i> , 2017, 142, 1619-1627.	1.7	23
165	Recent Advances on the Photocatalytic and Electrocatalytic Thiocyanation Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1117.	0.6	23
166	Detection of catechin based on its electrochemical autoxidation. <i>Talanta</i> , 2005, 65, 511-517.	2.9	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.	1.7	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.	1.7	22
169	C-phycoerythrin 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.	1.3	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.	2.6	22
171	A terbium(III)-functionalized zinc(II)-organic framework for fluorometric determination of phosphate. <i>Mikrochimica Acta</i> , 2020, 187, 84.	2.5	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.	4.0	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.	2.3	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.	1.7	21
175	Doping Carbon Nitride Quantum Dots into Melamine-Silver Matrix: An Efficient Photocatalyst with Tunable Morphology and Photocatalysis for H ₂ O ₂ Evolution under Visible Light. <i>ChemCatChem</i> , 2020, 12, 1512-1518.	1.8	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.	4.2	21
177	A reusable piezo-immunosensor with amplified sensitivity for ceruloplasmin based on plasma-polymerized film. <i>Talanta</i> , 2004, 62, 199-206.	2.9	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.	5.3	20
179	Facile Access to Benzothiophenes through Metal-Free Iodine-Catalyzed Intermolecular Cyclization of Thiophenols and Alkynes. <i>Synlett</i> , 2015, 26, 1890-1894.	1.0	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.	2.2	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.	1.4	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.	2.8	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.	2.3	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.	5.3	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.	1.3	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.	2.9	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.	1.7	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.	2.1	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.	4.6	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.	1.5	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.	5.3	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.	3.1	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.	2.6	17
194	Mussel-inspired fabrication of encoded polymer films for electrochemical identification. <i>Electrochemistry Communications</i> , 2009, 11, 1936-1939.	2.3	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.	1.5	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.	1.7	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.	1.7	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.	2.6	17

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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.	1.8	16
200	I ₂ O ₅ /DBU mediated direct α -phosphoryloxylation of ketones with H-phosphonates leading to α -hydroxyketone phosphates. <i>Tetrahedron</i> , 2015, 71, 6901-6906.	1.0	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.	1.0	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.	1.0	15
203	Direct cross-coupling of aryl alkynyl iodides with arylsulfonic acids leading to alkynyl sulfones under catalyst-free conditions. <i>Tetrahedron Letters</i> , 2017, 58, 4799-4802.	0.7	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.	2.0	15
205	A Naphthalimide-based ND ₂ O ₂ Photocatalyst for Sulfonation of Alkenes to Access α -ketosulfones Under Visible Light. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3456-3461.	1.2	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.	2.1	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.	2.3	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.	2.6	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.	0.6	14
210	Metal-Free Direct Hydrosulfonylation of Azodicarboxylates with Sulfonic Acids Leading to Sulfonylhydrazine Derivatives. <i>Synthetic Communications</i> , 2015, 45, 1574-1584.	1.1	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.	1.6	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.	1.6	14
213	Direct Iodosulfonylation of Alkynones with Sulfonylhydrazides and Iodine Pentoxide Leading to Multisubstituted α,β -Enones. <i>Synlett</i> , 2018, 29, 830-834.	1.0	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.	1.5	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.	2.2	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.	2.5	14

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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.	2.6	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.	3.2	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.	1.0	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.	1.3	13
221	Sensitive fluorescence "turn-on" detection of bleomycin based on a superquenched perylene-DNA complex. <i>RSC Advances</i> , 2015, 5, 86849-86854.	1.7	13
222	Copper-catalyzed decarboxylative stereospecific amidation of cinnamic acids with N-fluorobenzenesulfonimide. <i>RSC Advances</i> , 2016, 6, 72361-72365.	1.7	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.	4.0	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.	6.5	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.	2.8	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.	3.1	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.	1.8	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.	1.7	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> , 2020, 145, 5273-5279.	1.7	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.	4.0	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.	5.3	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.	1.9	11
233	Highly sensitive and selective fluorescence detection of Hg ²⁺ ions based on R-phycoerythrin from <i>Porphyra yezoensis</i> . <i>RSC Advances</i> , 2016, 6, 114685-114689.	1.7	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.	1.5	11

#	ARTICLE	IF	CITATIONS
235	Multifunctional Nanocomposite Films for Synergistic Delivery of bFGF and BMP-2. ACS Omega, 2017, 2, 899-909.	1.6	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.	4.0	11
237	A sensitive and selective electroanalysis strategy for histidine using the wetttable well electrodes modified with graphene quantum dot-scaffolded melamine and copper nanocomposites. Nanoscale, 2019, 11, 2126-2130.	2.8	11
238	A phosphorylation-sensitive tyrosine-tailored magnetic particle for electrochemically probing free organophosphates in blood. Analyst, The, 2014, 139, 5466-5471.	1.7	10
239	Nanocomposite plasters for the treatment of superficial tumors by chemo-photothermal combination therapy. International Journal of Nanomedicine, 2018, Volume 13, 6235-6247.	3.3	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.	2.6	10
241	A plasma-polymerized film for capacitance immunosensing. Biosensors and Bioelectronics, 2004, 20, 841-847.	5.3	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.	2.1	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.	4.0	9
245	A fluorimetric test strip with suppressed "Coffee Ring Effect" for selective mercury ion analysis. Analyst, The, 2022, 147, 2633-2639.	1.7	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.	1.3	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.	1.0	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.	2.9	7
249	A selective electroanalysis and photocatalytic removal strategy for pesticide residues using urchin-like LaPO ₄ @Ag. Electrochimica Acta, 2022, 410, 140039.	2.6	7
250	Water-soluble non-conjugated polymer dots with strong green fluorescence for sensitive detection of organophosphate pesticides. Analytica Chimica Acta, 2022, 1206, 339792.	2.6	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.	2.4	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.	2.4	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.	1.2	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.	1.2	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.	2.9	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.	2.9	4
257	Wavelength tuning of InAs quantum dot laser by micromirror device. <i>Journal of Crystal Growth</i> , 2015, 425, 373-375.	0.7	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.	2.9	3
259	Iridium Oxide Film-Enhanced Impedance Immunosensor for Rapid Detection of Carcinoembryonic Antigen. <i>Chinese Journal of Chemistry</i> , 2007, 25, 1288-1293.	2.6	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.	2.6	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, .	0.7	0