

# Hua Wang

## List of Publications by Year in descending order

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261  
papers

12,208  
citations

22548

61  
h-index

48101

92  
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296  
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296  
docs citations

296  
times ranked

11829  
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 $\beta$ -ketosulfones. <i>Chemical Communications</i> , 2013, 49, 10239.	2.2	252
3	Metal-Free C(sp <sup>2</sup> ) $\rightarrow$ H/N $\rightarrow$ 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 Gold-Silver Nanoclusters with $\alpha$ -Silver Effect-Enhanced Red Fluorescence. <i>Analytical Chemistry</i> , 2014, 86, 11714-11721.	3.2	210
5	Decarboxylative Acylation of Cyclic Enamides with $\beta$ -Oxocarboxylic Acids by Palladium-Catalyzed C-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 <sup>3</sup> C-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	Silver-Catalyzed Decarboxylative Acylation of Acrylamides with $\beta$ -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 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.	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 <sub>2</sub> /ClO <sup>•</sup> detection in cells and in vivo and its application in exploring the dichotomous role of SO <sub>2</sub> under the ClO <sup>•</sup> induced oxidative stress. <i>Biomaterials</i> , 2017, 133, 82-93.	5.7	136
17	Silver-Mediated Radical Cyclization of Alkynoates and $\beta$ -Keto Acids Leading to Coumarins via Cascade Double C-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 Langloisâ€™ Reagent Leading to CF <sub>3</sub> -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 <sub>3</sub> O <sub>4</sub> 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 <sub>2</sub> Nanosheets as Efficient Nanozymes with Enhanced Peroxidase-Like Catalysis Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17547-17556.	4.0	97
35	Recyclable enzyme mimic of cubic Fe <sub>3</sub> O <sub>4</sub> 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 $\alpha$ -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 $\beta$ -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(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.	2.2	82
44	Direct difunctionalization of alkynes with sulfinic acids and molecular iodine: a simple and convenient approach to (E)- $\beta$ -iodovinyl sulfones. <i>RSC Advances</i> , 2015, 5, 4416-4419.	1.7	82
45	Direct Z-scheme photocatalyst of hollow CoS <sub>x</sub> @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 <sub>x</sub> /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 $\beta$ -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 <sub>4</sub> Ni-catalyzed decarboxylative acyloxylation of an sp <sup>3</sup> C-H bond adjacent to a heteroatom with $\alpha$ -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 $\alpha$ -oxocarboxylic acids with formamides: synthesis of $\alpha$ -ketoamides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4573.	1.5	68
58	Magnetically recoverable and reusable CuFe <sub>2</sub> O <sub>4</sub> 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 $\alpha$ -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 <sub>2</sub> S <sub>3</sub> @In <sub>2</sub> O <sub>3</sub> with Plasma Treatment-Derived Oxygen Vacancies for Efficient Photocatalytic H <sub>2</sub> O <sub>2</sub> Production in Pure Water Via Two-Electron Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 25868-25878.	4.0	61
64	A novel sustainable strategy for the synthesis of phenols by magnetic CuFe <sub>2</sub> O <sub>4</sub> -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 <sub>2</sub> O <sub>2</sub> evolution via two-electron oxygen reduction using a ternary $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> /CQD@g-C <sub>3</sub> N <sub>4</sub> 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 $\alpha$ -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 $\beta^2$ -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 <sub>2</sub> 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 <sub>2</sub> 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 &amp; 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> , 2014, 139, 4620-4628.	1.7	45
90	Direct difunctionalization of alkenes with sulfinic acids and NBS leading to $\beta^2$ -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 <sub>2</sub> O oxidation by one-step plasma treatment toward nitrogen-doped Cu <sub>2</sub> O@CuO heterostructure: An efficient photocatalyst for H <sub>2</sub> O <sub>2</sub> 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 <sup>0</sup> 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 <sub>2</sub> 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 <sup>2</sup> )-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 <sub>2</sub> 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 <sub>4</sub> 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 <sub>2</sub> on g-C <sub>3</sub> N <sub>4</sub> nanosheets toward a spherical g-C <sub>3</sub> N <sub>4</sub> /CeO <sub>2</sub> 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 <sub>2</sub> O <sub>5</sub> and P(O)H compounds leading to $\beta$ -iodophosphates. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1356-1360.	2.3	34
116	Metal-free I <sub>2</sub> O <sub>5</sub> -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 <sub>3</sub> N <sub>4</sub> Nanosheets by Nitrogen Plasma Treatment toward a Selective Sensor for H <sub>2</sub> S. <i>ACS Applied Materials &amp; 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
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