

Hua Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

9,613
citations

55
h-index

82
g-index

296
ext. papers

10,915
ext. citations

6.2
avg. IF

6.5
L-index

#	Paper	IF	Citations
258	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	6.7	3
257	Coating FeO quantum dots with sodium alginate showing enhanced catalysis for capillary array-based rapid analysis of HO in milk.. <i>Food Chemistry</i> , 2022 , 380, 132188	8.5	1
256	Zeolitic imidazolate framework-8 for ratiometric fluorescence sensing tetracyclines in environmental water based on AIE effects.. <i>Analytica Chimica Acta</i> , 2022 , 1199, 339576	6.6	0
255	A selective electroanalysis and photocatalytic removal strategy for pesticide residues using urchin-like LaPO ₄ @Ag. <i>Electrochimica Acta</i> , 2022 , 410, 140039	6.7	0
254	A magnet-renewable electroanalysis strategy for hydrogen sulfide in aquaculture freshwater using magnetic silver metal-organic frameworks.. <i>Analytica Chimica Acta</i> , 2022 , 1195, 339450	6.6	0
253	Water-soluble non-conjugated polymer dots with strong green fluorescence for sensitive detection of organophosphate pesticides.. <i>Analytica Chimica Acta</i> , 2022 , 1206, 339792	6.6	0
252	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	8.5	0
251	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	14.7	0
250	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	6.7	0
249	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	5.6	5
248	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	6.6	8
247	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	12.8	6
246	Construction of Porous Tubular InS@InO with Plasma Treatment-Derived Oxygen Vacancies for Efficient Photocatalytic HO Production in Pure Water Via Two-Electron Reduction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25868-25878	9.5	10
245	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	14.7	17
244	Turning on the Photoelectrochemical Responses of Cd Probe-Deposited g-CN Nanosheets by Nitrogen Plasma Treatment toward a Selective Sensor for HS. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2052-2061	9.5	11
243	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-MIL-125. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 5998-6005	7.3	1
242	creation of ZnO@CdS nanoflowers on ITO electrodes for sensitive photoelectrochemical detection of copper ions in blood. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 5869-5876	7.3	0

241	Electroreductive C3 Pyridylation of Quinoxalin-2(1)-ones: An Effective Way to Access Bidentate Nitrogen Ligands. <i>Organic Letters</i> , 2021 , 23, 1081-1085	6.2	13
240	Synthesis of Polysubstituted Phenols by Rhodium-Catalyzed C ₆ H ₅ /Diazo Coupling and Tandem Annulation. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 1855-1860	5.6	7
239	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	14.7	9
238	Highly selective fluorometric detection of para-nitrophenol from its isomers by nitrogen-doped graphene quantum dots. <i>Microchemical Journal</i> , 2021 , 168, 106389	4.8	5
237	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	6.6	0
236	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	8.5	2
235	Visible-light-promoted cascade cyclization towards benzo[d]imidazo[5,1-b]thiazoles under metal- and photocatalyst-free conditions. <i>Green Chemistry</i> , 2021 , 23, 1286-1291	10	10
234	Electrochemical-Induced Transfer Hydrogenation of Imidazopyridines with Secondary Amine as Hydrogen Donor. <i>Organic Letters</i> , 2020 , 22, 8824-8828	6.2	11
233	Simultaneous nitrogen doping and Cu ₂ O oxidization 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	6.7	15
232	Doping Nitrogen into Q-Graphene by Plasma Treatment toward Peroxidase Mimics with Enhanced Catalysis. <i>Analytical Chemistry</i> , 2020 , 92, 5152-5157	7.8	19
231	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, The</i> , 2020 , 145, 5273-5279	5	5
230	Design of organic/inorganic nanocomposites for ultrasensitive electrochemical detection of a cancer biomarker protein. <i>Talanta</i> , 2020 , 212, 120794	6.2	12
229	Electrochemical-induced regioselective C-3 thiomethylation of imidazopyridines via a three-component cross-coupling strategy. <i>Green Chemistry</i> , 2020 , 22, 1129-1133	10	29
228	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	4.5	9
227	Plasma-Assisted Controllable Doping of Nitrogen into MoS Nanosheets as Efficient Nanozymes with Enhanced Peroxidase-Like Catalysis Activity. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17547-17556	9.5	43
226	A Naphthalimide-Based ND-O-EAC Photocatalyst for Sulfonation of Alkenes to Access Ketosulfones Under Visible Light. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 3456-3461	3.2	7
225	Recent Advances on the Photocatalytic and Electrocatalytic Thiocyanation Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 1117	3	12
224	Direct Z-scheme photocatalyst of hollow Co _{Sx} @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	14.7	42

223	Controllable fabrication of visible-light-driven CoSx/CdS photocatalysts with direct Z-scheme heterojunctions for photocatalytic Cr(VI) reduction with high efficiency. <i>Chemical Engineering Journal</i> , 2020 , 397, 125464	14.7	40
222	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	5.2	10
221	Biomimetic photocatalytic sulfonation of alkenes to access β -ketosulfones with single-atom iron site. <i>Green Chemistry</i> , 2020 , 22, 230-237	10	37
220	A terbium(III)-functionalized zinc(II)-organic framework for fluorometric determination of phosphate. <i>Mikrochimica Acta</i> , 2020 , 187, 84	5.8	11
219	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	12.8	8
218	Synergetic AgS 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	12.8	35
217	growth of CeO on g-CN nanosheets toward a spherical g-CN/CeO nanozyme with enhanced peroxidase-like catalysis: a selective colorimetric analysis strategy for mercury(II). <i>Nanoscale</i> , 2020 , 12, 21440-21446	7.7	12
216	Synthesis of Substituted Naphtho[1,8-]thiopyrans by Sulfhydryl-Directed Rhodium-Catalyzed -Selective C-H Bond Activation and Cyclization of Naphthalene-1-thiols. <i>Organic Letters</i> , 2020 , 22, 7825-7830	6.2	14
215	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	7.7	5
214	Sacrificial agent-free photocatalytic H ₂ O ₂ evolution via two-electron oxygen reduction using a ternary 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	13	28
213	Coating silver metal-organic frameworks onto nitrogen-doped porous carbons for the electrochemical sensing of cysteine. <i>Mikrochimica Acta</i> , 2020 , 187, 493	5.8	4
212	Transforming glucose into fluorescent graphene quantum dots microwave radiation for sensitive detection of Al ions based on aggregation-induced enhanced emission. <i>Analyst, The</i> , 2020 , 145, 6981-6986	5.6	6
211	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	8.5	15
210	A fluorescent assay for alkaline phosphatase activity based on inner filter effect by in-situ formation of fluorescent azamonnardine. <i>Sensors and Actuators B: Chemical</i> , 2020 , 302, 127145	8.5	15
209	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	7.7	13
208	A selective colorimetric strategy for probing dopamine and levodopa through the mussel-inspired enhancement of FeO catalysis. <i>Chemical Communications</i> , 2019 , 55, 12008-12011	5.8	9
207	Mineralizing gold-silver bimetal into hemin-melamine matrix: A nanocomposite nanozyme for visual colorimetric analysis of HO and glucose. <i>Analytica Chimica Acta</i> , 2019 , 1092, 57-65	6.6	20
206	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	5.8	14

205	A sensitive and selective electroanalysis strategy for histidine using the wettable well electrodes modified with graphene quantum dot-scaffolded melamine and copper nanocomposites. <i>Nanoscale</i> , 2019 , 11, 2126-2130	7.7	7
204	H ₂ O-controlled selective thiocyanation and alkenylation of ketene dithioacetals under electrochemical oxidation. <i>Green Chemistry</i> , 2019 , 21, 3597-3601	10	23
203	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	6.7	19
202	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	6.6	12
201	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	8.5	6
200	FeO Nanozymes with Aptamer-Tuned Catalysis for Selective Colorimetric Analysis of ATP in Blood. <i>Analytical Chemistry</i> , 2019 , 91, 14737-14742	7.8	62
199	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	6.7	10
198	Metal-Free Catalytic Synthesis of Thiocarbamates Using Sodium Sulfinates as the Sulfur Source. <i>Journal of Organic Chemistry</i> , 2019 , 84, 2976-2983	4.2	35
197	A visualized colorimetric detection strategy for heparin in serum using a metal-free polymer nanozyme. <i>Microchemical Journal</i> , 2019 , 145, 864-871	4.8	14
196	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	6.6	19
195	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	11.8	14
194	Direct coupling of haloquinolines and sulfonyl chlorides leading to sulfonylated quinolines in water. <i>Tetrahedron Letters</i> , 2019 , 60, 214-218	2	40
193	Probing NAD ⁺ /NADH-dependent biocatalytic transformations based on oxidase mimics of MnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 896-903	8.5	20
192	Self-assembled polymer nanocomposites for biomedical application. <i>Current Opinion in Colloid and Interface Science</i> , 2018 , 35, 36-41	7.6	37
191	Probing glutathione reductase activity with graphene quantum dots and gold nanoparticles system. <i>Sensors and Actuators B: Chemical</i> , 2018 , 263, 27-35	8.5	28
190	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	3.6	19
189	Direct Iodosulfonylation of Alkylones with Sulfonylhydrazides and Iodine Pentoxide Leading to Multisubstituted α -Enones. <i>Synlett</i> , 2018 , 29, 830-834	2.2	12
188	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	9.2	66

187	Label-Free Sensing of Human 8-Oxoguanine DNA Glycosylase Activity with a Nanopore. <i>ACS Sensors</i> , 2018 , 3, 512-518	9.2	23
186	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	4.8	55
185	A Turn-on Fluorescence sensor for ascorbic acid based on graphene quantum dots via fluorescence resonance energy transfer. <i>Analytical Methods</i> , 2018 , 10, 611-616	3.2	19
184	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	3.6	14
183	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	8.5	52
182	A sandwiched electroanalysis method for probing Anthrax DNAs based on glucose-induced gold growth and catalytic coupling of tyramine using gold-mineralized glucose oxidase. <i>Sensors and Actuators B: Chemical</i> , 2018 , 261, 441-450	8.5	10
181	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	8.5	21
180	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	4.4	12
179	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, The</i> , 2018 , 143, 392-395	5	13
178	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	5.8	28
177	Transition-metal-free KI-catalyzed regioselective sulfenylation of 4-anilinocoumarins using Bunte salts. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 8015-8019	3.9	8
176	Synergic TiO 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	7.3	3
175	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	8.3	113
174	Nanocomposite plasters for the treatment of superficial tumors by chemo-photothermal combination therapy. <i>International Journal of Nanomedicine</i> , 2018 , 13, 6235-6247	7.3	9
173	Metal-Free C(sp)-H/N-H Cross-Dehydrogenative Coupling of Quinoxalinones with Aliphatic Amines under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2018 , 20, 7125-7130	6.2	161
172	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	9.5	23
171	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	9.5	37
170	Copper-Catalyzed Selenylation of Imidazo[1,2-a]pyridines with Selenium Powder via a Radical Pathway. <i>Journal of Organic Chemistry</i> , 2017 , 82, 2906-2913	4.2	55

169	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	4.9	12
168	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	2.4	18
167	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	6.2	21
166	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 ions. <i>Talanta</i> , 2017 , 170, 306-313	6.2	16
165	DMSO-promoted regioselective synthesis of sulfenylated pyrazoles via a radical pathway. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1367-1371	5.2	36
164	A novel dual-ratiometric-response fluorescent probe for SO ₂ /ClO ₂ detection in cells and in vivo and its application in exploring the dichotomous role of SO ₂ under the ClO ₂ induced oxidative stress. <i>Biomaterials</i> , 2017 , 133, 82-93	15.6	111
163	Metal-free IO-mediated direct construction of sulfonamides from thiols and amines. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 4789-4793	3.9	24
162	Visible-light-induced selective synthesis of sulfoxides from alkenes and thiols using air as the oxidant. <i>Green Chemistry</i> , 2017 , 19, 3520-3524	10	95
161	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	8.5	87
160	Metal-free Oxidative Coupling of Aromatic Alkenes with Thiols Leading to (E)-Vinyl Sulfones. <i>Journal of Organic Chemistry</i> , 2017 , 82, 6857-6864	4.2	65
159	In situ quantification and evaluation of ClO ₂ /HS 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	5	20
158	Multifunctional Nanocomposite Films for Synergistic Delivery of bFGF and BMP-2. <i>ACS Omega</i> , 2017 , 2, 899-909	3.9	9
157	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	3.4	13
156	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	7.3	3
155	In-site 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	7.7	26
154	Visible-light-enabled spirocyclization of alkynes leading to 3-sulfonyl and 3-sulphenyl azaspiro[4,5]trienones. <i>Green Chemistry</i> , 2017 , 19, 5608-5613	10	111
153	Visible light-induced C-H sulfenylation using sulfinic acids. <i>Green Chemistry</i> , 2017 , 19, 4785-4791	10	95
152	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	5.8	29

151	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	6.2	24
150	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	7.8	23
149	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	2	11
148	Wide-Acidity-Range pH Fluorescence Probes for Evaluation of Acidification in Mitochondria and Digestive Tract Mucosa. <i>Analytical Chemistry</i> , 2017 , 89, 8509-8516	7.8	41
147	Simultaneous absorbance-ratiometric, fluorimetric, and colorimetric analysis and biological imaging of α -ketoglutaric acid based on a special sensing mechanism. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 1035-1042	8.5	8
146	Reconstituting redox active centers of heme-containing proteins with biomineralized gold toward peroxidase mimics with strong intrinsic catalysis and electrocatalysis for HO detection. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 1036-1043	11.8	15
145	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	5.2	61
144	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, 358-63	6.2	70
143	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	8.5	23
142	Metal-free iodine-catalyzed direct cross-dehydrogenative coupling (CDC) between pyrazoles and thiols. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 1457-1461	5.2	43
141	Visible-light initiated direct oxysulfonylation of alkenes with sulfonic acids leading to α -ketosulfones. <i>Green Chemistry</i> , 2016 , 18, 5630-5634	10	111
140	Copper-catalyzed decarboxylative stereospecific amidation of cinnamic acids with N-fluorobenzenesulfonimide. <i>RSC Advances</i> , 2016 , 6, 72361-72365	3.7	10
139	Fluorimetric evaluation of glutathione reductase activity and its inhibitors using carbon quantum dots. <i>Talanta</i> , 2016 , 161, 769-774	6.2	23
138	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	4.9	28
137	NBS/DBU mediated one-pot synthesis of α -cyloxyketones from benzylic secondary alcohols and carboxylic acids. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 10998-11001	3.9	6
136	Recent advances in catalytic decarboxylative acylation reactions via a radical process. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 7380-91	3.9	109
135	Facile and Sensitive Fluorescence Sensing of Alkaline Phosphatase Activity with Photoluminescent Carbon Dots Based on Inner Filter Effect. <i>Analytical Chemistry</i> , 2016 , 88, 2720-6	7.8	261
134	Palladium-Catalyzed Alkylarylation of Acrylamides with Unactivated Alkyl Halides. <i>Journal of Organic Chemistry</i> , 2016 , 81, 860-7	4.2	36

133	Copper-catalyzed domino synthesis of benzo[b]thiophene/imidazo[1,2-a]pyridines by sequential Ullmann-type coupling and intramolecular C(sp ²)–S thiolation. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 66-70	5.2	29
132	Molecular Iodine-Mediated Difunctionalization of Alkenes with Nitriles and Thiols Leading to β -Acetamido Sulfides. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2252-60	4.2	71
131	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	5.2	19
130	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 β -glucosidase inhibitor screening. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 728-35	11.8	90
129	An efficient route to regioselective functionalization of benzo[b]thiophenes via palladium-catalyzed decarboxylative Heck coupling reactions: insights from experiment and computation. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 895-904	3.9	10
128	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	2.8	40
127	Fluorimetric Mercury Test Strips with Suppressed "Coffee Stains" by a Bio-inspired Fabrication Strategy. <i>Scientific Reports</i> , 2016 , 6, 36494	4.9	17
126	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	3.7	8
125	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	4.9	9
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123	Crosslinking catalysis-active center of hemin on the protein scaffold toward peroxidase mimic with powerful catalysis. <i>RSC Advances</i> , 2016 , 6, 47595-47599	3.7	9
122	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	3.7	31
121	Cavity length and stripe width dependent lasing characteristics of InAs/InP(1 0 0) quantum dot lasers. <i>Infrared Physics and Technology</i> , 2016 , 75, 51-55	2.7	8
120	Nanopore-Based Selective Discrimination of MicroRNAs with Single-Nucleotide Difference Using Locked Nucleic Acid-Modified Probes. <i>Analytical Chemistry</i> , 2016 , 88, 10540-10546	7.8	47
119	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	3.2	30
118	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, 1550-6	4.2	118
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116	Direct difunctionalization of alkenes with sulfinic acids and NBS leading to β -bromo sulfones. <i>Tetrahedron Letters</i> , 2015 , 56, 1808-1811	2	42

115	Carboxylic-group-functionalized single-walled carbon nanohorns as peroxidase mimetics and their application to glucose detection. <i>Analyst, The</i> , 2015 , 140, 6398-403	5	49
114	Investigation on the distribution and fate of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in a sewage-impacted bay. <i>Environmental Pollution</i> , 2015 , 205, 186-98	9.3	22
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110	Wavelength tuning of InAs quantum dot laser by micromirror device. <i>Journal of Crystal Growth</i> , 2015 , 425, 373-375	1.6	3
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108	Direct thiolation of methoxybenzenes with thiols under metal-free conditions by iodine catalysis. <i>Tetrahedron Letters</i> , 2015 , 56, 4792-4795	2	31
107	Metal-free iodine-mediated synthesis of vinyl sulfones at room temperature using water as solvent. <i>RSC Advances</i> , 2015 , 5, 37013-37017	3.7	52
106	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	3.2	9
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