

Huawen Huang

List of Publications by Citations

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180
papers

6,138
citations

45
h-index

67
g-index

199
ext. papers

7,951
ext. citations

6.1
avg, IF

6.7
L-index

#	Paper	IF	Citations
180	Transition metal-catalyzed C-H functionalization of N-oxyenamine internal oxidants. <i>Chemical Society Reviews</i> , 2015 , 44, 1155-71	58.5	426
179	Recent advances of 1,2,3,5-tetrakis(carbazol-9-yl)-4,6-dicyanobenzene (4CzIPN) in photocatalytic transformations. <i>Chemical Communications</i> , 2019 , 55, 5408-5419	5.8	236
178	TBHP/I2-mediated domino oxidative cyclization for one-pot synthesis of polysubstituted oxazoles. <i>Organic Letters</i> , 2010 , 12, 5561-3	6.2	159
177	Conversion of pyridine to imidazo[1,2-a]pyridines by copper-catalyzed aerobic dehydrogenative cyclization with oxime esters. <i>Organic Letters</i> , 2013 , 15, 6254-7	6.2	149
176	O-Acyl oximes: versatile building blocks for N-heterocycle formation in recent transition metal catalysis. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 1519-30	3.9	135
175	Internal Oxidant-Triggered Aerobic Oxygenation and Cyclization of Indoles under Copper Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 307-11	16.4	134
174	Chemoselective cross-coupling reaction of sodium sulfinates with phenols under aqueous conditions. <i>Green Chemistry</i> , 2016 , 18, 1538-1546	10	98
173	Copper-Catalyzed Intermolecular Oxidative Cyclization of Halo-alkynes: Synthesis of 2-Halo-substituted Imidazo[1,2-a]pyridines, Imidazo[1,2-a]pyrazines and Imidazo[1,2-a]pyrimidines. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 2263-2273	5.6	97
172	Copper-catalyzed oxidative [2 + 2 + 1] cycloaddition: regioselective synthesis of 1,3-oxazoles from internal alkynes and nitriles. <i>Chemical Science</i> , 2012 , 3, 3463	9.4	94
171	Visible-Light Induced Radical Perfluoroalkylation/Cyclization Strategy To Access 2-Perfluoroalkylbenzothiazoles/Benzoselenazoles by EDA Complex. <i>Organic Letters</i> , 2019 , 21, 4019-4024	6.2	86
170	Metal-free synthesis of 2-aminobenzothiazoles via aerobic oxidative cyclization/dehydrogenation of cyclohexanones and thioureas. <i>Organic Letters</i> , 2013 , 15, 2604-7	6.2	84
169	Indole-to-Carbazole Strategy for the Synthesis of Substituted Carbazoles under Metal-Free Conditions. <i>Organic Letters</i> , 2016 , 18, 5384-5387	6.2	84
168	Copper-catalyzed formal C-N bond cleavage of aromatic methylamines: assembly of pyridine derivatives. <i>Journal of Organic Chemistry</i> , 2013 , 78, 3774-82	4.2	83
167	A Three-Component Approach to 3,5-Diaryl-1,2,4-thiadiazoles under Transition-Metal-Free Conditions. <i>Organic Letters</i> , 2016 , 18, 2196-9	6.2	83
166	Silver-catalyzed decarboxylative radical cascade cyclization toward benzimidazo[2,1-a]isoquinolin-6(5H)-ones. <i>Chemical Communications</i> , 2019 , 55, 2861-2864	5.8	78
165	K ⁺ pre-intercalated manganese dioxide with enhanced Zn ²⁺ diffusion for high rate and durable aqueous zinc-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20806-20812	13	76
164	Assembly of 2-Arylbenzothiazoles through Three-Component Oxidative Annulation under Transition-Metal-Free Conditions. <i>Organic Letters</i> , 2017 , 19, 4576-4579	6.2	75

163	Copper-Catalyzed Oxidative C(sp ³)-H Functionalization for Facile Synthesis of 1,2,4-Triazoles and 1,3,5-Triazines from Amidines. <i>Organic Letters</i> , 2015 , 17, 2894-7	6.2	72
162	Catalytic dehydrogenative aromatization: an alternative route to functionalized arenes. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 279-287	5.2	72
161	Metal-Free Assembly of Polysubstituted Pyridines from Oximes and Acroleins. <i>Journal of Organic Chemistry</i> , 2016 , 81, 1499-505	4.2	68
160	Bromide-Promoted Visible-Light-Induced Reductive Minisci Reaction with Aldehydes. <i>ACS Catalysis</i> , 2020 , 10, 154-159	13.1	66
159	Thiophene-Fused Heteroaromatic Systems Enabled by Internal Oxidant-Induced Cascade Bis-Heteroannulation. <i>Organic Letters</i> , 2018 , 20, 4917-4920	6.2	64
158	Efficient 2-sulfolmethyl quinoline formation from 2-methylquinolines and sodium sulfinates under transition-metal free conditions. <i>Chemical Communications</i> , 2015 , 51, 652-4	5.8	63
157	A Visible-Light-Promoted Metal-Free Strategy towards Arylphosphonates: Organic-Dye-Catalyzed Phosphorylation of Arylhydrazines with Trialkylphosphites. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 4807-4813	5.6	63
156	Copper-Catalyzed Three-Component One-Pot Synthesis of Aryl Sulfides with Sulfur Powder under Aqueous Conditions. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 3881-3886	5.6	60
155	Copper-Catalyzed Radical Cascade Cyclization To Access 3-Sulfonated Indenones with the AIE Phenomenon. <i>Journal of Organic Chemistry</i> , 2018 , 83, 14419-14430	4.2	60
154	Silver-Catalyzed Radical Cascade Cyclization toward 1,5-/1,3-Dicarbonyl Heterocycles: An Atom-/Step-Economical Strategy Leading to Chromenopyridines and Isoxazole-/Pyrazole-Containing Chroman-4-Ones. <i>Organic Letters</i> , 2018 , 20, 6157-6160	6.2	58
153	Silver-catalyzed decarboxylative cascade radical cyclization of tert-carboxylic acids and o-(allyloxy)arylaldehydes towards chroman-4-one derivatives. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2925-2929	5.3	57
152	Practical Synthesis of Polysubstituted Imidazoles via Iodine-Catalyzed Aerobic Oxidative Cyclization of Aryl Ketones and Benzylamines. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 170-180	5.6	56
151	Efficient pyrido[1,2-a]benzimidazole formation from 2-aminopyridines and cyclohexanones under metal-free conditions. <i>Green Chemistry</i> , 2016 , 18, 667-671	10	55
150	One-Pot Cascade Synthesis of Substituted Carbazoles from Indoles, Ketones, and Alkenes Using Oxygen as the Oxidant. <i>Journal of Organic Chemistry</i> , 2017 , 82, 2935-2942	4.2	54
149	Metal-Free Visible-Light Promoted Radical Cyclization to Access Perfluoroalkyl-Substituted Benzimidazo[2,1-a]isoquinolin-6(5H)-ones and Indolo[2,1-a]isoquinolin-6(5H)-ones. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 5176-5181	5.6	53
148	Ionic Liquid from Vitamin B1 Analogue and Heteropolyacid: A Recyclable Heterogeneous Catalyst for Dehydrative Coupling in Organic Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3727-3732	8.3	52
147	Phosphorus Radical-Initiated Cascade Reaction To Access 2-Phosphoryl-Substituted Quinoxalines. <i>Journal of Organic Chemistry</i> , 2018 , 83, 11727-11735	4.2	52
146	4CzIPN-Bu-Catalyzed Proton-Coupled Electron Transfer for Photosynthesis of Phosphorylated -Heteroaromatics. <i>Journal of the American Chemical Society</i> , 2021 , 143, 964-972	16.4	51

145	Visible-Light-Promoted Transition-Metal-Free Approach toward Phosphoryl-Substituted Dihydroisoquinolones via Cascade Phosphorylation/Cyclization of N-Allylbenzamides. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 3712-3717	5.6	50
144	Palladium-Catalyzed C?C Coupling of Aryl Halides with Isocyanides: An Alternative Method for the Stereoselective Synthesis of (3E)-(Imino)isoindolin-1-ones and (3E)-(Imino)thiaisoindoline 1,1-Dioxides. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 2288-2300	5.6	50
143	Copper-catalyzed one-pot three-component thioamination of 1,4-naphthoquinone. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1476-1480	5.2	48
142	Metal-free oxidative cyclization of 2-aminobenzothiazoles and cyclic ketones enabled by the combination of elemental sulfur and oxygen. <i>Green Chemistry</i> , 2017 , 19, 4294-4298	10	48
141	Visible-light-mediated photoredox decarbonylative Minisci-type alkylation with aldehydes under ambient air conditions. <i>Green Chemistry</i> , 2019 , 21, 5512-5516	10	48
140	Recent advances in visible-light-mediated organic transformations in water. <i>Green Chemistry</i> , 2021 , 23, 232-248	10	48
139	Unveiling the Advances of Nanostructure Design for Alloy-Type Potassium-Ion Battery Anodes via In Situ TEM. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14504-14510	16.4	47
138	Transition-Metal-Free N-O Reduction of Oximes: A Modular Synthesis of Fluorinated Pyridines. <i>Organic Letters</i> , 2017 , 19, 3743-3746	6.2	47
137	Synthesis of 2,4-diarylsubstituted-pyridines through a Ru-catalyzed four component reaction. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4404-7	3.9	45
136	Palladium-catalyzed sequential C-N/C-O bond formations: synthesis of oxazole derivatives from amides and ketones. <i>Organic Letters</i> , 2014 , 16, 5906-9	6.2	45
135	Metal-organic frameworks derived hollow NiS ₂ spheres encased in graphene layers for enhanced sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14077-14082	13	45
134	Solvent-controlled highly regio-selective thieno[2,3-b]indole formation under metal-free conditions. <i>Green Chemistry</i> , 2017 , 19, 5553-5558	10	44
133	Recyclable Perovskite as Heterogeneous Photocatalyst for Aminomethylation of Imidazo-Fused Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 2143-2149	5.6	44
132	Metal-free sulfonyl radical-initiated cascade cyclization to access sulfonated indolo[1,2-a]quinolines. <i>Chemical Communications</i> , 2019 , 55, 12615-12618	5.8	44
131	Copper-Catalyzed C4-H Regioselective Phosphorylation/Trifluoromethylation of Free 1-Naphthylamines. <i>Organic Letters</i> , 2019 , 21, 486-489	6.2	44
130	Metal-organic framework derived yolk-shell NiS/carbon spheres for lithium-sulfur batteries with enhanced polysulfide redox kinetics. <i>Chemical Communications</i> , 2019 , 55, 3243-3246	5.8	43
129	Three-Component Thieno[2,3-b]indole Synthesis from Indoles, Alkenes or Alkynes and Sulfur Powder under Metal-Free Conditions. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 4300-4304	5.6	41
128	Applications of H-phosphonates for C element bond formation. <i>Pure and Applied Chemistry</i> , 2019 , 91, 33-41	2.1	41

127	Acyl Radicals from β -Keto Acids: Metal-Free Visible-Light-Promoted Acylation of Heterocycles. <i>Organic Letters</i> , 2021 , 23, 2976-2980	6.2	40
126	Photo-/electrocatalytic functionalization of quinoxalin-2(1H)-ones. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1921-1943	11.3	39
125	Visible light-induced recyclable g-C ₃ N ₄ catalyzed thiocyanation of C(sp ²) π bonds in sustainable solvents. <i>Green Chemistry</i> , 2021 , 23, 3677-3682	10	38
124	Selectivity Control in Ruthenium(II)-Catalyzed C-H/N-O Activation with Alkynyl Bromides. <i>Organic Letters</i> , 2017 , 19, 4620-4623	6.2	37
123	Tri-Functional Elemental Sulfur Enabling Bis-Heteroannulation of Methyl Ketoximes with Methyl N-Heteroarenes. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 591-596	5.6	37
122	One-Pot Synthesis of 2,3,5-Trisubstituted Thiophenes through Three-Component Assembly of Arylacetaldehydes, Elemental Sulfur, and 1,3-Dicarbonyls. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 796-800	5.6	36
121	Recyclable [email-protected]3N ₄ -Catalyzed Hydroxylation of Aryl Boronic Acids in Water under Visible Light: Synthesis of Phenols under Ambient Conditions and Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2682-2687	8.3	35
120	Three-Component Cascade Bis-heteroannulation of Aryl or Vinyl Methylketoxime Acetates toward Thieno[3,2-]isoquinolines. <i>Organic Letters</i> , 2019 , 21, 8630-8634	6.2	35
119	Visible-Light-Induced Metal-Free Synthesis of 2-Phosphorylated Thioflavones in Water. <i>ChemSusChem</i> , 2020 , 13, 298-303	8.3	35
118	Catalyst- and additive-free annulation/aromatization leading to benzothiazoles and naphthothiazoles. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 3060-3064	5.2	34
117	Three-component bis-heterocycliation for synthesis of 2-aminobenzo[4,5]thieno[3,2-d]thiazoles. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 1146-1150	5.2	34
116	Manganese(II/III/I)-Catalyzed C π Arylations in Continuous Flow. <i>ACS Catalysis</i> , 2018 , 8, 4402-4407	13.1	34
115	Aerobic Oxidative Functionalization of Indoles. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 3795-3823	5.6	32
114	Ce(III)-Containing tungstotellurate(VI) with a sandwich structure: an efficient Lewis acid/Base catalyst for the condensation cyclization of 1,3-diketones with hydrazines/hydrazides or diamines. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2472-2477	6.8	32
113	Radical Reactions for the Synthesis of 3-Substituted Chroman-4-ones. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 1588-1597	3.2	32
112	An External-Catalyst-Free Trifluoromethylation/Cyclization Strategy To Access Trifluoromethylated-Dihydroisoquinolinones/Indolines with Togni Reagent II. <i>Organic Letters</i> , 2019 , 21, 1863-1867	6.2	31
111	A Four-Component Reaction for the Synthesis of β -Quinoline Allylic Sulfones under Iron Catalysis. <i>Journal of Organic Chemistry</i> , 2018 , 83, 10420-10429	4.2	31
110	LiBr-Promoted Photoredox Minisci-Type Alkylations of Quinolines with Ethers. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 5643-5647	5.6	31

109	Modular Synthesis of Carbazole-Based Conjugated Molecules through a One-Pot Annulation/Dehydrogenation Sequence. <i>Journal of Organic Chemistry</i> , 2017 , 82, 11182-11191	4.2	30
108	CuI/SnCl ₂ Co-Catalyzed Four-Component Reaction of Ketones, Amines, Alkynes, and Carbon Dioxide. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 5665-5667	3.2	30
107	6E Electrocyclization in water: microwave-assisted synthesis of polyheterocyclic-fused quinoline-2-thiones. <i>Green Chemistry</i> , 2020 , 22, 4445-4449	10	29
106	Ethylene Glycol: A Green Solvent for Visible Light-Promoted Aerobic Transition Metal-Free Cascade Sulfonation/Cyclization Reaction. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 2609-2614	5.6	29
105	Elemental Sulfur-Promoted Aerobic Cyclization of Ketones and Aliphatic Amines for Synthesis of Tetrasubstituted Imidazoles. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 4017-4022	5.6	29
104	Silver-Catalyzed Radical Cascade Cyclization of Unactivated Alkenes towards Cyclopenta[c]quinolines. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 4483-4488	5.6	29
103	Palladium-Catalyzed Sequential Formation of C-C Bonds: Efficient Assembly of 2-Substituted and 2,3-Disubstituted Quinolines. <i>Angewandte Chemie</i> , 2012 , 124, 7404-7408	3.6	29
102	Photoinduced Decatungstate-Catalyzed C-H Functionalization. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 3620	3	29
101	Synthesis of o-Arylenediamines through Elemental Sulfur-Promoted Aerobic Dehydrogenative Aromatization of Cyclohexanones with Arylamines. <i>Organic Letters</i> , 2018 , 20, 5470-5473	6.2	28
100	Copper-catalyzed aerobic oxygenative cross dehydrogenative coupling of methyl ketones with para-CBr of primary anilines. <i>Green Chemistry</i> , 2017 , 19, 619-622	10	28
99	MnCl-Catalyzed C-H Alkylation on Azine Heterocycles. <i>Organic Letters</i> , 2019 , 21, 571-574	6.2	27
98	Unveiling the Advances of Nanostructure Design for Alloy-Type Potassium-Ion Battery Anodes via In Situ TEM. <i>Angewandte Chemie</i> , 2020 , 132, 14612-14618	3.6	26
97	Base-Promoted [3+2]-Annulation of Oxime Esters and Aldehydes for Rapid Isoxazoline Formation. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 3102-3107	5.6	26
96	Synthesis of polysubstituted pyridines from oxime acetates using NHI as a dual-function promoter. <i>Organic and Biomolecular Chemistry</i> , 2017 , 16, 124-129	3.9	26
95	A cascade approach to fused indolizinones through Lewis acid-copper(I) relay catalysis. <i>Chemical Communications</i> , 2013 , 49, 3351-3	5.8	25
94	Phosphomolybdic acid as a bifunctional catalyst for Friedel-Crafts type dehydrative coupling reaction. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4450	3.1	25
93	Four-component thiazole formation from simple chemicals under metal-free conditions. <i>Green Chemistry</i> , 2019 , 21, 986-990	10	24
92	A Three-Component Strategy for Benzoselenophene Synthesis under Metal-Free Conditions Using Selenium Powder. <i>Organic Letters</i> , 2019 , 21, 3518-3522	6.2	24

91	Palladium-catalyzed phthalazinone synthesis using paraformaldehyde as carbon source. <i>Organic Letters</i> , 2014 , 16, 5324-7	6.2	24
90	Internal Oxidant-Triggered Aerobic Oxygenation and Cyclization of Indoles under Copper Catalysis. <i>Angewandte Chemie</i> , 2016 , 128, 315-319	3.6	24
89	Recent Advances in Organocatalyst-Mediated Benzannulation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 4010-4026	5.6	23
88	Palladium-catalyzed oxidative C-N bond coupling involving a solvent-controlled regioselective bromination process. <i>Journal of Organic Chemistry</i> , 2014 , 79, 7005-11	4.2	23
87	Mn(III)-Mediated Regioselective 6-endo-trig Radical Cyclization of o-Vinylaryl Isocyanides to Access 2-Functionalized Quinolines. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 688-694	5.6	23
86	Palladium-Catalyzed 3-Aryl-5-acyl-1,2,4-thiadiazole Formation from Ketones, Amidines, and Sulfur Powder. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 1604-1607	3.2	22
85	Chemoselective metal-free indole arylation with cyclohexanones. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 2738-2743	5.2	22
84	Visible Light-Induced Aerobic Oxidation of Indoles: One-Pot Formation of 4-Quinolones at Room Temperature. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 711-714	3	22
83	LiBr-promoted photoredox neutral Minisci hydroxyalkylations of quinolines with aldehydes. <i>Green Chemistry</i> , 2020 , 22, 8233-8237	10	22
82	Arylaminoethyl Radical-Initiated Cascade Annulation Reaction of Quinoxalin-2(1H)-ones Catalyzed by Recyclable Photocatalyst Perovskite. <i>Organic Letters</i> , 2020 , 22, 6960-6965	6.2	22
81	Nitriles as radical acceptors in radical cascade reactions. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 445-465	5.2	22
80	Regioselectivity Control in the Oxidative Formal [3 + 2] Annulations of Ketoxime Acetates and Tetrahydroisoquinolines. <i>Organic Letters</i> , 2019 , 21, 8239-8243	6.2	21
79	A metal-free visible-light-promoted phosphorylation/cyclization reaction in water towards 3-phosphorylated benzothiophenes. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1884-1889	5.2	21
78	Palladium-catalyzed N-arylsulfonamide formation from arylsulfonyl hydrazides and nitroarenes. <i>RSC Advances</i> , 2016 , 6, 13010-13013	3.7	21
77	Copper-Catalyzed Three-Component Domino Cyclization for the Synthesis of 4-Aryl-5-(arythio)-2-(trifluoromethyl)oxazoles. <i>Organic Letters</i> , 2019 , 21, 8533-8536	6.2	21
76	Visible-Light-Induced Phosphorylation of Imidazo-Fused Heterocycles under Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2020 , 85, 14744-14752	4.2	21
75	Metal- and base-free synthesis of imidazo[1,2-a]pyridines through elemental sulfur-initiated oxidative annulation of 2-aminopyridines and aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 4227-4230	3.9	21
74	Concise synthesis of ketoallyl sulfones through an iron-catalyzed sequential four-component assembly. <i>Green Chemistry</i> , 2018 , 20, 973-977	10	20

73	Visible-light-induced metal-free cascade cyclization of N-arylpropiolamides to 3-phosphorylated, trifluoromethylated and thiocyanated azaspiro[4.5]trienones. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 760-766	5.2	20
72	Metal-Free Photosynthesis of Alkylated Benzimidazo[2,1-]isoquinoline-6(5)-ones and Indolo[2,1-]isoquinolin-6(5)-ones in PEG-200. <i>Journal of Organic Chemistry</i> , 2021 , 86, 9055-9066	4.2	19
71	Piperidine Promoted Direct Sulfenylation of 2-Naphthol with Aryl Thiols under Aqueous Conditions. <i>ChemistrySelect</i> , 2017 , 2, 428-431	1.8	17
70	The cyclopropylimine rearrangement/Povarov reaction cascade for the assembly of pyrrolo[3,2-c]quinoline derivatives. <i>Green Chemistry</i> , 2016 , 18, 3503-3506	10	17
69	Metal-Free Double Csp-H Bond Functionalization: Strategy for Synthesizing Benzo[a]carbazoles from 2-Arylindoles and Acetophenones/Alkynes. <i>Organic Letters</i> , 2019 , 21, 3687-3691	6.2	16
68	Silver-mediated radical phosphorylation/cyclization of N-allylbenzamides to access phosphoryl-substituted dihydroisoquinolones. <i>New Journal of Chemistry</i> , 2019 , 43, 12221-12224	3.6	16
67	Palladium-Catalyzed Oxidative Direct ortho-C-H Acylation of Arenes with Aldehydes under Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 7919-7925	3.2	16
66	Recent Advances in Sulfur-Containing Heterocycle Formation via Direct C-H Sulfuration with Elemental Sulfur. <i>Synlett</i> , 2021 , 32, 142-158	2.2	16
65	Photocatalytic aerobic α -haloalkylation/annulation of carbonyls with mercaptobenzimidazoles. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 4979-4983	3.9	15
64	Visible-light-promoted organic dye-catalyzed sulfidation and phosphorylation of arylhydrazines toward aromatic sulfides and diarylphosphoryl hydrazides. <i>New Journal of Chemistry</i> , 2019 , 43, 13642-13646	3.6	15
63	Palladium-Catalyzed Aerobic Benzannulation of Amines, Benzaldehydes, and β -Dicarbonyls. <i>Organic Letters</i> , 2019 , 21, 7489-7492	6.2	14
62	Copper-catalyzed oxidative cyclization of arylamides and β -diketones: new synthesis of 2,4,5-trisubstituted oxazoles. <i>RSC Advances</i> , 2015 , 5, 8002-8005	3.7	14
61	Copper(0)/PPh-Mediated Bisheteroannulations of α -Nitroalkynes with Methylketoximes Accessing Pyrazo-Fused Pseudoindoxyls. <i>Organic Letters</i> , 2020 , 22, 6117-6121	6.2	14
60	Three-component 2-aryl substituted benzothiophene formation under transition-metal free conditions. <i>RSC Advances</i> , 2016 , 6, 41751-41754	3.7	14
59	Functionalization of imidazo[1,2-a]pyridines via radical reactions. <i>New Journal of Chemistry</i> , 2021 , 45, 9302-9314	3.6	14
58	Copper-Catalyzed Formal [3 + 3] Annulations of Arylketoximes and α -Fluorobenzaldehydes: An Entry to Quinoline Compounds. <i>Organic Letters</i> , 2021 , 23, 936-942	6.2	13
57	Three-Component Cascade Synthesis of Carbazoles through [1s,6s] Sigmatropic Shift under Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3121-3131	4.2	12
56	Hydroarylation of Activated Alkenes Enabled by Proton-Coupled Electron Transfer. <i>ACS Catalysis</i> , 2021 , 11, 4422-4429	13.1	12

55	Aerobic C α -C β Bond Cleavage of Indoles by Visible-Light Photoredox Catalysis with Ru(bpy) $_3$ 2+. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 6652-6659	3.2	11
54	Base-Promoted Three-Component One-Pot Synthesis of 3- (Thiomethyl)indoles with Paraformaldehyde under Aqueous Conditions. <i>Synlett</i> , 2018 , 29, 2693-2696	2.2	11
53	Visible-light-induced aerobic oxidative desulfurization of 2-mercaptobenzimidazoles via a sulfinyl radical. <i>Green Chemistry</i> , 2020 , 22, 5594-5598	10	10
52	Chiral Imidazoline Ligands and Their Applications in Metal-Catalyzed Asymmetric Synthesis <i>Chinese Journal of Chemistry</i> , 2021 , 39, 488-514	4.9	10
51	Mild and ambient annulations for pyrrole synthesis from amines and arylacetaldehydes. <i>RSC Advances</i> , 2016 , 6, 7011-7014	3.7	9
50	Metal-Free Three-Component Selenopheno[2,3-b]indole Formation through Double C α -Selenylation with Selenium Powder. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 5351-5356	5.6	9
49	A Type of Atypical AIEgen Used for One-Photon/Two-Photon Targeted Imaging in Live Cells.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 505-511	4.1	9
48	Photocatalytic transition-metal-free direct 3-alkylation of 2-aryl-2H-indazoles in dimethyl carbonate. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 3286-3291	5.2	9
47	Visible-light-driven Cadogan reaction. <i>Chinese Chemical Letters</i> , 2021 , 32, 2582-2586	8.1	9
46	Copper(I)/Lewis acid triggered ring-opening coupling reaction of cyclopropenes with nitriles. <i>RSC Advances</i> , 2015 , 5, 26335-26338	3.7	8
45	Metal-free synthesis of indolo[2,3-b]indoles through aerobic cascade dehydrogenative aromatization/oxidative annulation. <i>Green Synthesis and Catalysis</i> , 2021 , 2, 78-81	9.3	8
44	Regioselective three-component synthesis of 1,2-diarylindoles from cyclohexanones, β -hydroxyketones and anilines under transition-metal-free conditions. <i>Chemical Communications</i> , 2019 , 55, 4079-4082	5.8	7
43	Three-component synthesis of 1,4-benzothiazines via iodide-catalyzed aerobic C-H sulfuration with elemental sulfur. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 3234-3238	3.9	7
42	Elemental Sulfur-Promoted Aerobic Dehydrogenative Aromatization of Cyclohexanones with Amines. <i>Journal of Organic Chemistry</i> , 2020 , 85, 9415-9423	4.2	7
41	Brønsted acid-promoted thiazole synthesis under metal-free conditions using sulfur powder as the sulfur source.. <i>RSC Advances</i> , 2020 , 10, 3931-3935	3.7	7
40	Iodine-promoted stereoselective amidosulfonylation of electron-deficient alkynes.. <i>RSC Advances</i> , 2018 , 8, 23319-23322	3.7	7
39	Aerobic C(sp 3) α oxidation and oxygenation of quaternarized quinolines and pyridines by visible-light-induced photocatalysis. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1671-1678	5.2	6
38	Transition-metal-free sulfonylations of methylthiolated alkynones to synthesize 3-sulfonylated thioflavones. <i>New Journal of Chemistry</i> , 2020 , 44, 14786-14790	3.6	6

37	NaI/PPH-Mediated Photochemical Reduction and Amination of Nitroarenes. <i>Organic Letters</i> , 2021 , 23, 5349-5353	6.2	6
36	Metal-Free Synthesis and Photophysical Properties of 1,2,4-Triarylpyrroles. <i>Journal of Organic Chemistry</i> , 2021 , 86, 110-127	4.2	6
35	Realizing Fast Diffusion Kinetics Based on Three-Dimensional Ordered Macroporous CuS@C for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36982-36991	9.5	6
34	Radical Cascade Reactions of β -Unsaturated Hydrazones/Oximes. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 4640	5.6	6
33	Visible-light-promoted catalyst-/additive-free synthesis of aroylated heterocycles in a sustainable solvent. <i>Green Chemistry</i> ,	10	5
32	Divergent g-C ₃ N ₄ -catalyzed Reactions of Quinoxalin-2(1H)-ones with N-Aryl Glycines under Visible Light: Solvent-Controlled Hydroaminomethylation and Annulation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 ,	8.3	5
31	Redox-neutral decarboxylative photocyclization of anthranilic acids. <i>Green Chemistry</i> , 2020 , 22, 8243-8247	4	4
30	Selective Formation of 2-(2-Aminophenyl)benzothiazoles via Copper-Catalyzed Aerobic C-C Bond Cleavage of Isatins. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 1663-1668	5.6	4
29	Visible-light-induced direct 3-ethoxycarbonylmethylation of 2-aryl-2H-indazoles in water. <i>Organic Chemistry Frontiers</i> ,	5.2	4
28	Recyclable Carbon Nitride Nanosheet-Photocatalyzed Aminomethylation of Imidazo[1,2-a]pyridines in Green Solvent. <i>Chinese Journal of Chemistry</i> ,	4.9	4
27	Visible Light-Promoted Recyclable Carbon Nitride-Catalyzed Dioxygenation of β -Unsaturated Oximes. <i>Advanced Synthesis and Catalysis</i> ,	5.6	4
26	Concise synthesis of -thiomethyl benzoimidazoles through base-promoted sequential multicomponent assembly.. <i>RSC Advances</i> , 2019 , 9, 30570-30574	3.7	4
25	Perovskite as Recyclable Photocatalyst for Annulation Reaction of -Sulfonyl Ketimines.. <i>Organic Letters</i> , 2021 ,	6.2	4
24	Ce(III)/Photoassisted Synthesis of Amides from Carboxylic Acids and Isocyanates.. <i>Organic Letters</i> , 2022 ,	6.2	3
23	Polymerization-Enhanced Photocatalysis for the Functionalization of C(sp ³)-Bonds. <i>ACS Catalysis</i> , 2022 , 12, 126-134	13.1	3
22	Base-controlled divergent synthesis of vinyl sulfones from (benzylsulfonyl)benzenes and paraformaldehyde. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 3527-3535	3.9	2
21	Synthesis of β -Ketosulfone from Sodium Sulfinat and Aryl Ethyl Ketone/Indanone. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 4749	3	2
20	Copper-catalyzed three-component -alkylation of quinazolinones and azoles.. <i>Organic and Biomolecular Chemistry</i> , 2022 ,	3.9	2

19	Visible-light- and bromide-mediated photoredox Minisci alkylation of N-heteroarenes with ester acetates. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 9177-9181	3.9	2
18	Anthraquinone-Based Covalent Organic Framework Nanosheets with Ordered Porous Structures for Highly Reversible Sodium Storage. <i>Energy & Fuels</i> , 2021 , 35, 1851-1858	4.1	2
17	On Topological Analysis of Graphite Carbon Nitride via Degree Based Coindices. <i>Polycyclic Aromatic Compounds</i> , 2020 , 1-15	1.3	2
16	Plasmonic Cu NPs-embedded phenothiazine benzene with tunable bonding units for superior photocatalytic CO ₂ reduction. <i>Applied Surface Science</i> , 2021 , 550, 149361	6.7	2
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13	Oxidative α -cyloxylation of acetals with cyclic diacyl peroxides. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 3091-3101	5.2	2
12	Photoredox Cyclization of α -Arylacrylamides for Synthesis of Dihydroquinolinones.. <i>Organic Letters</i> , 2021 ,	6.2	2
11	Metal-/catalyst-free one-pot three-component thioamination of 1,4-naphthoquinone in a sustainable solvent. <i>New Journal of Chemistry</i> ,	3.6	1
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9	Application of α -Keto Acids in Metal-Free Photocatalysis. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 4575	3	1
8	Visible Light-Induced Aerobic Oxidative Dehydrogenative Coupling of Thiophenols. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 4704	3	1
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