

Alkyl Carbonâ€“Carbon Bond Formation by Nickel/Pho

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A metal-free desulfurizing radical reductive C–C coupling of thiols and alkenes. <i>Chemical Communications</i> , 2019, 55, 10583-10586.	2.2	25
2	Visible-Light Reductive Cyclization of Nonactivated Alkyl Chlorides. <i>Synlett</i> , 2019, 30, 1496-1507.	1.0	2
3	Photoredox-Catalyzed Cyclopropanation of 1,1-Disubstituted Alkenes via Radical–Polar Crossover Process. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4215-4221.	2.1	36
4	Photochemical Asymmetric Nickel-Catalyzed Acyl Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16854-16858.	7.2	86
5	Photochemical Asymmetric Nickel-Catalyzed Acyl Cross-Coupling. <i>Angewandte Chemie</i> , 2019, 131, 17010-17014.	1.6	28
6	Visible-Light-Driven Intermolecular Reductive Ene–Yne Coupling by Iridium/Cobalt Dual Catalysis for C(sp ³)–C(sp ²) Bond Formation. <i>Chemistry - A European Journal</i> , 2019, 25, 15746-15750.	1.7	19
7	Visible-Light-Induced Oxidation/[3 + 2] Cycloaddition/Oxidative Aromatization to Construct Benzo[<i>a</i>]carbazoles from 1,2,3,4-Tetrahydronaphthalene and Arylhydrazine Hydrochlorides. <i>Organic Letters</i> , 2019, 21, 7179-7183.	2.4	15
8	Visible-light-induced radical cascade cyclization of oxime esters and aryl isonitriles: synthesis of cyclopenta[<i>b</i>]quinoxalines. <i>Chemical Communications</i> , 2019, 55, 11900-11903.	2.2	32
9	Mechanisms of Nickel-Catalyzed Cross-Coupling Reactions. <i>Trends in Chemistry</i> , 2019, 1, 830-844.	4.4	329
10	Metal-supported and -assisted stereoselective cooperative photoredox catalysis. <i>Dalton Transactions</i> , 2019, 48, 15338-15357.	1.6	13
11	Site-Selective Catalytic Deaminative Alkylation of Unactivated Olefins. <i>Journal of the American Chemical Society</i> , 2019, 141, 16197-16201.	6.6	169
12	Photoredox catalyzed C(sp ³)–C(sp) coupling of dihydropyridines and alkynylbenziodoxolones. <i>Tetrahedron Letters</i> , 2019, 60, 151230.	0.7	12
13	Nickel-catalyzed alkyl–alkyl cross-coupling reactions of non-activated secondary alkyl bromides with aldehydes as alkyl carbanion equivalents. <i>Chemical Communications</i> , 2019, 55, 2793-2796.	2.2	21
14	Ni/Photoredox-Dual-Catalyzed Functionalization of 1-Thiosugars. <i>Organic Letters</i> , 2019, 21, 5132-5137.	2.4	32
15	On-DNA Decarboxylative Arylation: Merging Photoredox with Nickel Catalysis in Water. <i>ACS Combinatorial Science</i> , 2019, 21, 588-597.	3.8	72
16	Semiheterogeneous Dual Nickel/Photocatalytic (Thio)etherification Using Carbon Nitriles. <i>Organic Letters</i> , 2019, 21, 5331-5334.	2.4	92
17	Dual Photoredox/Nickel-Catalyzed Three-Component Carbofunctionalization of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12286-12290.	7.2	131
18	Dual Photoredox/Nickel-Catalyzed Three-Component Carbofunctionalization of Alkenes. <i>Angewandte Chemie</i> , 2019, 131, 12414-12418.	1.6	34

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19	Hantzsch esters: an emerging versatile class of reagents in photoredox catalyzed organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6936-6951.	1.5	236
20	meta-Selective C-H Activation of Arenes at Room Temperature Using Visible Light: Dual-Function Ruthenium Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 9931-9935.	1.6	35
21	Selective, Intermolecular Alkylarylation of Alkenes via Photoredox/Nickel Dual Catalysis. <i>Organic Letters</i> , 2019, 21, 4771-4776.	2.4	103
22	Radical coupling from alkyl amines. <i>Nature Catalysis</i> , 2019, 2, 473-476.	16.1	58
23	Site-Selective, Remote sp ³ C-H Carboxylation Enabled by the Merger of Photoredox and Nickel Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 9001-9005.	1.7	78
24	Dual nickel- and photoredox-catalyzed reductive cross-coupling of aryl vinyl halides and unactivated tertiary alkyl bromides. <i>Chemical Communications</i> , 2019, 55, 5918-5921.	2.2	40
25	Nickel-Catalyzed Cross-Coupling of Umpolung Carbonyls and Alkyl Halides. <i>Journal of Organic Chemistry</i> , 2019, 84, 6312-6322.	1.7	21
26	Semi-heterogene duale Nickel-Photokatalyse mit Kohlenstoffnitriden: Veresterung von Carbonsäuren mit Arylhalogeniden. <i>Angewandte Chemie</i> , 2019, 131, 9676-9681.	1.6	20
27	Semi-heterogeneous Dual Nickel/Photocatalysis using Carbon Nitrides: Esterification of Carboxylic Acids with Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9575-9580.	7.2	108
28	Allylation of aldehydes by dual photoredox and nickel catalysis. <i>Chemical Communications</i> , 2019, 55, 6838-6841.	2.2	40
29	meta-Selective C-H Activation of Arenes at Room Temperature Using Visible Light: Dual-Function Ruthenium Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9826-9830.	7.2	135
30	Photoredox Catalysis Enables Access to N-Functionalized 2,1-Borazonaphthalenes. <i>Organic Letters</i> , 2019, 21, 2880-2884.	2.4	14
31	Deaminative Reductive Cross-Electrophile Couplings of Alkylpyridinium Salts and Aryl Bromides. <i>Organic Letters</i> , 2019, 21, 2941-2946.	2.4	118
32	Merging Catalysis in Single Electron Steps with Photoredox Catalysis: Efficient and Sustainable Radical Chemistry. <i>ACS Catalysis</i> , 2019, 9, 3208-3212.	5.5	65
33	A Redox-Active Nickel Complex that Acts as an Electron Mediator in Photochemical Giese Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4953-4957.	7.2	101
34	Ni(I)-X Complexes Bearing a Bulky β -Diimine Ligand: Synthesis, Structure, and Superior Catalytic Performance in the Hydrogen Isotope Exchange in Pharmaceuticals. <i>Journal of the American Chemical Society</i> , 2019, 141, 5034-5044.	6.6	92
36	Three-Component Olefin Dicarbofunctionalization Enabled by Nickel/Photoredox Dual Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 20069-20078.	6.6	162
37	Synergistic visible light photoredox catalysis. <i>Physical Sciences Reviews</i> , 2019, 5, .	0.8	3

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38	Forging C(sp ³)–C(sp ³) Bonds with Carbon-Centered Radicals in the Synthesis of Complex Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 2800-2813.	6.6	111
39	The Persistent Radical Effect in Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 74-108.	7.2	466
40	Der "Persistent Radical Effect" in der organischen Chemie. <i>Angewandte Chemie</i> , 2020, 132, 74-110.	1.6	92
41	Visible-Light-Mediated Regioselective Allylation, Benzylation, and Silylation of Methylene-Malononitriles via Photoredox-Induced Radical Cation Fragmentation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1459-1465.	1.2	28
42	Dual Photoredox/Nickel-Catalyzed Conversion of Aryl Halides to Aryl Aminooxetanes: Computational Evidence for a Substrate-Dependent Switch in Mechanism. <i>ACS Catalysis</i> , 2020, 10, 405-411.	5.5	38
43	Pyridinium Salts as Redox-Active Functional Group Transfer Reagents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9264-9280.	7.2	192
44	Photochemical Strategies for Carbon-Heteroatom Bond Formation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1379-1392.	1.2	44
45	Pyridiniumsalze als redoxaktive Reagenzien zur "bertragung funktioneller Gruppen. <i>Angewandte Chemie</i> , 2020, 132, 9350-9366.	1.6	27
46	Vitamin B ₁₂ Enables Consecutive Generation of Acyl and Alkyl Radicals from One Reagent. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1567-1571.	1.2	14
47	Site-Selective 1,2-Dicarbonylfunctionalization of Vinyl Boronates through Dual Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 4400-4404.	1.6	25
48	1,2-Amino Alcohols via Cr/Photoredox Dual-Catalyzed Addition of α -Amino Carbanion Equivalents to Carbonyls. <i>Journal of the American Chemical Society</i> , 2020, 142, 2168-2174.	6.6	87
49	Direct photochemical cross-coupling between aliphatic acids and BF ₃ /K salts. <i>Chemical Communications</i> , 2020, 56, 1294-1297.	2.2	10
50	Continuous Flow Enables Metallaphotoredox Catalysis in a Medicinal Chemistry Setting: Accelerated Optimization and Library Execution of a Reductive Coupling between Benzylic Chlorides and Aryl Bromides. <i>Organic Letters</i> , 2020, 22, 410-416.	2.4	33
51	Photoredox Ni-Catalyzed Branch-Selective Reductive Coupling of Aldehydes with 1,3-Dienes. <i>ACS Catalysis</i> , 2020, 10, 1528-1534.	5.5	55
52	Reactor Technology Concepts for Flow Photochemistry. <i>ChemPhotoChem</i> , 2020, 4, 235-254.	1.5	62
53	Visible-Light-Induced Nickel-Catalyzed Cross-Coupling with Alkylzirconocenes from Unactivated Alkenes. <i>Chem</i> , 2020, 6, 675-688.	5.8	57
54	Site-Selective 1,2-Dicarbonylfunctionalization of Vinyl Boronates through Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4370-4374.	7.2	115
55	Decarboxylative Conjunctive Cross-coupling of Vinyl Boronic Esters using Metallaphotoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4375-4379.	7.2	101

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56	Dialkylation of 1,3-Dienes by Dual Photoredox and Chromium Catalysis. <i>ACS Catalysis</i> , 2020, 10, 1621-1627.	5.5	116
57	Modulation of Acridinium Organophotoredox Catalysts Guided by Photophysical Studies. <i>ACS Catalysis</i> , 2020, 10, 210-215.	5.5	51
58	Bromide-Promoted Visible-Light-Induced Reductive Minisci Reaction with Aldehydes. <i>ACS Catalysis</i> , 2020, 10, 154-159.	5.5	102
59	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie</i> , 2020, 132, 5787-5795.	1.6	14
60	Regioselective Hydroalkylation and Arylalkylation of Alkynes by Photoredox/Nickel Dual Catalysis: Application and Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5738-5746.	7.2	81
61	General Access to <i>C</i> -Centered Radicals: Combining a Bioinspired Photocatalyst with Boronic Acids in Aqueous Media. <i>ACS Catalysis</i> , 2020, 10, 12727-12737.	5.5	47
62	Visible-Light Photocatalysis as an Enabling Technology for Drug Discovery: A Paradigm Shift for Chemical Reactivity. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2120-2130.	1.3	63
63	Shining Light on C-S Bonds: Recent Advances in C-C Bond Formation Reactions via C-S Bond Cleavage under Photoredox Catalysis. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3637-3659.	1.7	30
64	Copper-catalyzed oxidative decarboxylative alkylation of cinnamic acids with 4-alkyl-1,4-dihydropyridines. <i>Chemical Communications</i> , 2020, 56, 14055-14058.	2.2	20
65	One-Step Radical Cross Coupling Between Benzyl Alcohols and Alkenyl Halides Using Ni/Ti/Mn System. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5622-5626.	2.1	11
66	Transition Metal-Catalyzed Organic Reactions under Visible Light: Recent Developments and Future Perspectives. <i>ACS Catalysis</i> , 2020, 10, 9170-9196.	5.5	226
67	New Redox Strategies in Organic Synthesis by Means of Electrochemistry and Photochemistry. <i>ACS Central Science</i> , 2020, 6, 1317-1340.	5.3	270
68	Selective 1,2-Aryl-Aminoalkylation of Alkenes Enabled by Metallaphotoredox Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 18066-18072.	1.6	12
69	General Method for Enantioselective Three-Component Carboarylation of Alkenes Enabled by Visible-Light Dual Photoredox/Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 20390-20399.	6.6	136
70	Multireference Description of Nickel-Aryl Homolytic Bond Dissociation Processes in Photoredox Catalysis. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9915-9922.	1.1	23
71	Dual Catalytic Strategy for Forging sp^2 - sp^3 and sp^3 - sp^3 Architectures via I^2 -Scission of Aliphatic Alcohol Derivatives. <i>Journal of the American Chemical Society</i> , 2020, 142, 20594-20599.	6.6	81
72	Generation of Alkyl Radicals: From the Tyranny of Tin to the Photon Democracy. <i>Chemical Reviews</i> , 2020, 120, 9790-9833.	23.0	241
73	Light Up the Transition Metal-Catalyzed Single-Electron Allylation. <i>Trends in Chemistry</i> , 2020, 2, 764-775.	4.4	27

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74	BI-OAc-Accelerated C3 ^α H Alkylation of Quinoxalin-2(1 <i>H</i>)-ones under Visible-Light Irradiation. <i>Organic Letters</i> , 2020, 22, 5984-5989.	2.4	101
75	Metal catalyst-free photo-induced alkyl C ^α O bond borylation. <i>Chemical Communications</i> , 2020, 56, 10219-10222.	2.2	17
76	Redox ^α Neutral Nickel(II) Catalysis: Hydroarylation of Unactivated Alkenes with Arylboronic Acids. <i>Angewandte Chemie</i> , 2020, 132, 20579-20584.	1.6	7
77	Redox ^α Neutral Nickel(II) Catalysis: Hydroarylation of Unactivated Alkenes with Arylboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20399-20404.	7.2	40
78	Boracene-based alkylborate enabled Ni/Ir hybrid catalysis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6598-6601.	1.5	11
79	Room-Temperature Synthesis of Isoindolone Spirosuccinimides: Merger of Visible-Light Photocatalysis and Cobalt-Catalyzed C ^α H Activation. <i>Journal of Organic Chemistry</i> , 2020, 85, 15287-15304.	1.7	34
80	Direct Enantioselective C(sp ³) ^α H Acylation for the Synthesis of $\hat{\pm}$ -Amino Ketones. <i>Journal of the American Chemical Society</i> , 2020, 142, 19058-19064.	6.6	110
81	Mechanistic Insight into the Photoredox-Nickel-HAT Triple Catalyzed Arylation and Alkylation of $\hat{\pm}$ -Amino C _{sp³} ^α H Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 16942-16952.	6.6	69
82	Late stage C ^α H functionalization <i>via</i> chalcogen and pnictogen salts. <i>Chemical Science</i> , 2020, 11, 10047-10060.	3.7	45
83	Visible-Light-Accelerated Pd-Catalyzed Cascade Addition/Cyclization of Arylboronic Acids to $\hat{1}^3$ - and $\hat{1}^2$ -Ketodinitriles for the Construction of 3-Cyanopyridines and 3-Cyanopyrrole Analogues. <i>Journal of Organic Chemistry</i> , 2020, 85, 12482-12504.	1.7	22
84	Harnessing Radical Chemistry via Electrochemical Transition Metal Catalysis. <i>IScience</i> , 2020, 23, 101796.	1.9	29
85	Carbon-Carbon Cross-Coupling Reactions. , 2020, , 143-162.		1
86	Emerging Concepts in Carbon Nitride Organic Photocatalysis. <i>ChemPlusChem</i> , 2020, 85, 2499-2517.	1.3	47
87	Flow Photochemistry as a Tool in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, 16952-16974.	1.7	77
88	Generation of Alkyl Radical through Direct Excitation of Boracene-Based Alkylborate. <i>Journal of the American Chemical Society</i> , 2020, 142, 9938-9943.	6.6	69
89	Catalytic and Photochemical Strategies to Stabilized Radicals Based on Anomeric Nucleophiles. <i>Journal of the American Chemical Society</i> , 2020, 142, 11102-11113.	6.6	39
90	Evidence for Photocatalyst Involvement in Oxidative Additions of Nickel-Catalyzed Carboxylate <i>α</i> -Arylations. <i>Journal of the American Chemical Society</i> , 2020, 142, 11042-11049.	6.6	46
91	Nickel-Catalyzed Sonogashira C(sp) ^α C(sp ²) Coupling through Visible-Light Sensitization. <i>Journal of Organic Chemistry</i> , 2020, 85, 9201-9212.	1.7	46

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92	Advances in the Synthesis of Imine-Containing Azaarene Derivatives via Photoredox Catalysis. <i>ChemCatChem</i> , 2020, 12, 4471-4489.	1.8	41
93	Dual aminoquinolate diarylboron and nickel catalysed metallaphotoredox platform for carbon-oxygen bond construction. <i>Chemical Communications</i> , 2020, 56, 8273-8276.	2.2	40
94	Nickel-Catalyzed Enantioselective Reductive Cross-Coupling Reactions. <i>ACS Catalysis</i> , 2020, 10, 8237-8246.	5.5	362
95	The Synthesis of Chiral Allyl Carbamates via Merger of Photoredox and Nickel Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3213-3222.	2.1	13
96	Developments in Photoredox/Nickel Dual-Catalyzed 1,2-Difunctionalizations. <i>Chem</i> , 2020, 6, 1327-1339.	5.8	173
97	Automated radial synthesis of organic molecules. <i>Nature</i> , 2020, 579, 379-384.	13.7	140
98	Visible Light Induced Cyclization to Spiro[indene] Skeletons from Functionalized Alkylidienecyclopropanes. <i>Organic Letters</i> , 2020, 22, 2494-2499.	2.4	13
99	³ d-d Excited States of Ni(II) Complexes Relevant to Photoredox Catalysis: Spectroscopic Identification and Mechanistic Implications. <i>Journal of the American Chemical Society</i> , 2020, 142, 5800-5810.	6.6	168
100	Competing H ₂ versus Intramolecular C-H Activation at a Dinuclear Nickel Complex via Metal-Metal Cooperative Oxidative Addition. <i>Journal of the American Chemical Society</i> , 2020, 142, 6717-6728.	6.6	17
101	Silyl Radical Mediated Cross-Electrophile Coupling of <i>N</i> -Acyl-imides with Alkyl Bromides under Photoredox/Nickel Dual Catalysis. <i>Organic Letters</i> , 2020, 22, 2240-2245.	2.4	36
102	Visible-light-induced photocatalyst-free C-3 functionalization of indoles with diethyl bromomalonate. <i>Green Chemistry</i> , 2020, 22, 2543-2548.	4.6	24
103	Titanocenes as Photoredox Catalysts Using Green-Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9355-9359.	7.2	62
104	Dual Catalytic Platform for Enabling sp ³ C-H Arylation and Alkylation of Benzamides. <i>ACS Catalysis</i> , 2020, 10, 4671-4676.	5.5	94
105	Expanding the Medicinal Chemist Toolbox: Comparing Seven C(sp ²)-C(sp ³) Cross-Coupling Methods by Library Synthesis. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 597-604.	1.3	117
106	Recent advances in photoredox and nickel dual-catalyzed cascade reactions: pushing the boundaries of complexity. <i>Chemical Science</i> , 2020, 11, 4051-4064.	3.7	241
107	Titanocenes as Photoredox Catalysts Using Green-Light Irradiation. <i>Angewandte Chemie</i> , 2020, 132, 9441-9445.	1.6	21
108	Mechanisms of Nickel-Catalyzed Coupling Reactions and Applications in Alkene Functionalization. <i>Accounts of Chemical Research</i> , 2020, 53, 906-919.	7.6	261
109	Ni-Catalyzed Allylic Dearomatization Reaction of \hat{I}^2 -Naphthols with Allylic Alcohols. <i>Organic Letters</i> , 2020, 22, 3297-3301.	2.4	22

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110	<i>Ortho</i> C–H arylation of arenes at room temperature using visible light ruthenium C–H activation. <i>Chemical Science</i> , 2020, 11, 4439-4443.	3.7	49
111	The Dark Side of Photocatalysis: One Thousand Ways to Close the Cycle. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2783-2806.	1.2	35
112	Upgrading ketone synthesis direct from carboxylic acids and organohalides. <i>Nature Communications</i> , 2020, 11, 3312.	5.8	65
113	11. Synergistic visible light photoredox catalysis. , 2020, , 245-284.		4
114	Photoredox Generation of Sulfonyl Radicals and Coupling with Electron Deficient Olefins. <i>Organic Letters</i> , 2020, 22, 5746-5748.	2.4	25
115	Selective 1,2-Aryl-Aminoalkylation of Alkenes Enabled by Metallaphotoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17910-17916.	7.2	52
116	Visible-Light-Mediated Intermolecular Radical Conjugate Addition for the Construction of Vicinal Quaternary Carbon Centers. <i>Organic Letters</i> , 2020, 22, 5401-5406.	2.4	29
117	Chemistry glows green with photoredox catalysis. <i>Nature Communications</i> , 2020, 11, 803.	5.8	231
118	Amide Synthesis by Nickel/Photoredox-Catalyzed Direct Carbamoylation of (Hetero)Aryl Bromides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5248-5253.	7.2	81
119	Decarboxylative Consecutive Cross-Coupling of Vinyl Boronic Esters using Metallaphotoredox Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 4405-4409.	1.6	24
120	Nickel-Catalyzed Arylative Additions on 2-Alkynyl-N-Arylsulfonylanilides to Construct Functionalized Indoles. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 744-748.	1.2	7
121	Bromomethyl Silicate: A Robust Methylene Transfer Reagent for Radical-Polar Crossover Cyclopropanation of Alkenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1778-1781.	1.2	23
122	Photoredox-Mediated Net-Neutral Radical/Polar Crossover Reactions. <i>Israel Journal of Chemistry</i> , 2020, 60, 281-293.	1.0	108
123	The Merger of Photoredox and Cobalt Catalysis. <i>Trends in Chemistry</i> , 2020, 2, 410-426.	4.4	114
124	Amide Synthesis by Nickel/Photoredox-Catalyzed Direct Carbamoylation of (Hetero)Aryl Bromides. <i>Angewandte Chemie</i> , 2020, 132, 5286-5291.	1.6	29
125	Photo-Ni-Dual-Catalytic C(sp ²)–C(sp ³) Cross-Coupling Reactions with Mesoporous Graphitic Carbon Nitride as a Heterogeneous Organic Semiconductor Photocatalyst. <i>ACS Catalysis</i> , 2020, 10, 3526-3532.	5.5	63
126	Multifunctional Building Blocks Compatible with Photoredox-Mediated Alkylation for DNA-Encoded Library Synthesis. <i>Organic Letters</i> , 2020, 22, 1046-1051.	2.4	57
127	Synthesis of Monofluoroalkenes through Visible-Light-Promoted Defluorinative Alkylation of gem-Difluoroalkenes with 4-Alkyl-1,4-dihydropyridines. <i>Organic Letters</i> , 2020, 22, 1542-1546.	2.4	53

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128	A Metallaphotoredox Method for the Expansion of Benzyl SAR on Electron-Deficient Amines. <i>Organic Letters</i> , 2020, 22, 1052-1055.	2.4	17
129	Catalyst-Free <i>N</i> -Deoxygenation by Photoexcitation of Hantzsch Ester. <i>Organic Letters</i> , 2020, 22, 1316-1320.	2.4	35
130	Nickel-catalyzed Suzuki Coupling of Cycloalkyl Silyl Peroxides with Boronic Acids. <i>Journal of Organic Chemistry</i> , 2020, 85, 7515-7525.	1.7	27
131	Upscaling Photoredox Cross-Coupling Reactions in Batch Using Immersion-Well Reactors. <i>Organic Process Research and Development</i> , 2020, 24, 1185-1193.	1.3	21
132	Late-stage oxidative C(sp ³)–H methylation. <i>Nature</i> , 2020, 580, 621-627.	13.7	125
133	Sequential C=O decarboxylative vinylation/C–H arylation of cyclic oxalates <i>via</i> a nickel-catalyzed multicomponent radical cascade. <i>Chemical Science</i> , 2020, 11, 4904-4910.	3.7	53
134	Visible Light-Driven Radical-Mediated C–C Bond Cleavage/Functionalization in Organic Synthesis. <i>Chemical Reviews</i> , 2021, 121, 506-561.	23.0	638
135	Dumbbell-Shaped 2,2'-Bipyridines: Controlled Metal Monochelation and Application to Ni-Catalyzed Cross-Couplings. <i>Chemistry - A European Journal</i> , 2021, 27, 2289-2293.	1.7	5
136	Stereinduction in Metallaphotoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1714-1726.	7.2	161
137	Stereinduktion in der Metallaphotoredoxkatalyse. <i>Angewandte Chemie</i> , 2021, 133, 1738-1750.	1.6	24
138	N-heterocyclic carbene-catalyzed radical reactions. <i>Science China Chemistry</i> , 2021, 64, 7-16.	4.2	87
139	Visible-Light-Promoted Metal-Free Synthesis of (Hetero)Aromatic Nitriles from C(sp ³)–H Bonds**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2439-2445.	7.2	39
140	Catalytic Photoredox Allylation of Aldehydes Promoted by a Cobalt Complex. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1105-1111.	2.1	27
141	Solar and visible-light active nano Ni/g-C ₃ N ₄ photocatalyst for carbon monoxide (CO) and ligand-free carbonylation reactions. <i>Catalysis Science and Technology</i> , 2021, 11, 956-969.	2.1	12
142	Reagent and Catalyst Capsules: A Chemical Delivery System for Reaction Screening and Parallel Synthesis. <i>Journal of Organic Chemistry</i> , 2021, 86, 1357-1370.	1.7	18
143	A General Approach to Intermolecular Olefin Hydroacylation through Light-Induced HAT Initiation: An Efficient Synthesis of Long-Chain Aliphatic Ketones and Functionalized Fatty Acids. <i>Chemistry - A European Journal</i> , 2021, 27, 4412-4419.	1.7	7
144	Cooperative photoredox and palladium catalysis: recent advances in various functionalization reactions. <i>Catalysis Science and Technology</i> , 2021, 11, 742-767.	2.1	30
145	Visible-Light-Promoted Metal-Free Synthesis of (Hetero)Aromatic Nitriles from C(sp ³)–H Bonds**. <i>Angewandte Chemie</i> , 2021, 133, 2469-2475.	1.6	3

#	ARTICLE	IF	CITATIONS
146	Emerging Organometallic Methods for the Synthesis of α -Branched (Hetero)aryl, Alkenyl, and Alkyl Glycosides: α -H Functionalization and Dual Photoredox Approaches. <i>Chemistry - A European Journal</i> , 2021, 27, 491-511.	1.7	52
147	Mechanistic Studies on Propargyl α -Alcohol α -Tethered α -Alkylidenecyclopropane with Aryldiazonium Salt Initiated by Visible Light. <i>Chinese Journal of Chemistry</i> , 2021, 39, 295-300.	2.6	7
148	Photoredox-mediated hydroalkylation and hydroarylation of functionalized olefins for DNA-encoded library synthesis. <i>Chemical Science</i> , 2021, 12, 12036-12045.	3.7	40
149	Metallaphotoredox catalysis for multicomponent coupling reactions. <i>Green Chemistry</i> , 2021, 23, 5379-5393.	4.6	64
150	Photochemistry in Flow for Drug Discovery. <i>Topics in Medicinal Chemistry</i> , 2021, , 71-119.	0.4	1
151	Catalytic three-component dicarbofunctionalization reactions involving radical capture by nickel. <i>Chemical Society Reviews</i> , 2021, 50, 10836-10856.	18.7	154
152	Merging radical-polar crossover/cycloisomerization processes: access to polyfunctional furans enabled by metallaphotoredox catalysis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1732-1738.	2.3	13
153	Decarboxylative 1,4-carbocyanation of 1,3-enynes to access tetra-substituted allenes <i>via</i> copper/photoredox dual catalysis. <i>Chemical Science</i> , 2021, 12, 11316-11321.	3.7	51
154	Visible-Light-Induced Direct α -H Radical Trifluoroethylation of Coumarins with 1,1,1-Trifluoro-2-iodoethane ($\text{CF}_3\text{CH}_2\text{I}$). <i>Journal of Organic Chemistry</i> , 2021, 86, 2772-2783.	1.7	25
155	Organic reactions in aqueous media catalyzed by nickel. <i>Green Chemistry</i> , 2021, 23, 6273-6300.	4.6	24
156	A highly stable all-in-one photocatalyst for aryl etherification: the Ni^{II} embedded covalent organic framework. <i>Green Chemistry</i> , 2021, 23, 5797-5805.	4.6	47
157	Photoredox/nickel dual-catalyzed regioselective alkylation of propargylic carbonates for trisubstituted allenes. <i>Chemical Communications</i> , 2021, 57, 9390-9393.	2.2	9
158	Quantitative Thermodynamic and Kinetic Parameters of Radical. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 3892.	0.6	2
159	Regiodivergent sulfonylarylation of 1,3-enynes <i>via</i> nickel/photoredox dual catalysis. <i>Chemical Science</i> , 2021, 12, 13564-13571.	3.7	54
160	Synthetic and Mechanistic Implications of Chlorine Photoelimination in Nickel/Photoredox $\text{C}(\text{sp}^3)\text{-H}$ Cross-Coupling. <i>Accounts of Chemical Research</i> , 2021, 54, 988-1000.	7.6	144
161	Photoactive electron donor-acceptor complex platform for Ni-mediated $\text{C}(\text{sp}^3)\text{-C}(\text{sp}^2)$ bond formation. <i>Chemical Science</i> , 2021, 12, 5450-5457.	3.7	91
162	New Bidentate N-Sulfonyl-Substituted Aromatic Amines as Chelate Ligand Backbones: Pd Catalyst Generation in C-C Coupling via In Situ and Precatalyst Modes. <i>Australian Journal of Chemistry</i> , 2021, 74, 101.	0.5	0
163	Organic-photoredox-catalyzed three-component sulfonylative pyridylation of styrenes. <i>RSC Advances</i> , 2021, 11, 142-146.	1.7	16

#	ARTICLE	IF	CITATIONS
164	Photocatalytic (Het)arylation of C(sp ³)â€“H Bonds with Carbon Nitride. ACS Catalysis, 2021, 11, 1593-1603.	5.5	74
165	Photoinduced 1,2-dicarbofunctionalization of alkenes with organotrifluoroborate nucleophiles via radical/polar crossover. Chemical Science, 2021, 12, 9189-9195.	3.7	36
166	Reductive hydrobenzylation of terminal alkynes via photoredox and nickel dual catalysis. Chemical Communications, 2021, 57, 9414-9417.	2.2	16
167	Synthesis of chiral branched allylamines through dual photoredox/nickel catalysis. Organic and Biomolecular Chemistry, 2021, 19, 8578-8585.	1.5	5
168	Application of the stabilization effect of a silyl group in radical-polar crossover reactions enabled by photoredox-neutral catalysis. Organic Chemistry Frontiers, 2021, 8, 5303-5309.	2.3	10
169	Photoredox/nickel-catalyzed hydroacylation of ethylene with aromatic acids. Chemical Communications, 2021, 57, 9064-9067.	2.2	15
170	Visible-Light-Induced Tertiary C(sp ³)â€“H Sulfonylation: An Approach to Tertiary Sulfones. Organic Letters, 2021, 23, 1163-1168.	2.4	14
171	Photoredox Allylation Reactions Mediated by Bismuth in Aqueous Conditions. European Journal of Organic Chemistry, 2021, 2021, 1624-1627.	1.2	15
172	Visible-Light Promoted Câ€“O Bond Formation with an Integrated Carbon Nitrideâ€“Nickel Heterogeneous Photocatalyst. Angewandte Chemie - International Edition, 2021, 60, 8494-8499.	7.2	61
173	Visible-Light Promoted Câ€“O Bond Formation with an Integrated Carbon Nitrideâ€“Nickel Heterogeneous Photocatalyst. Angewandte Chemie, 2021, 133, 8575-8580.	1.6	2
174	Metal-Free Î±-C(sp ³)â€“H Arylation of Amines via a Photoredox Catalytic Radicalâ€“Radical Cross-Coupling Process. Organic Letters, 2021, 23, 2846-2852.	2.4	26
175	Challenges and Opportunities in Multicatalysis. ACS Catalysis, 2021, 11, 3891-3915.	5.5	149
176	Developments in Photoredox-Mediated Alkylation for DNA-Encoded Libraries. Trends in Chemistry, 2021, 3, 161-175.	4.4	34
177	Dual Palladium/Photoredox-Catalyzed Enantioselective and Regioselective Decarboxylative Hydroaminoalkylation of Allenes. ACS Catalysis, 2021, 11, 3343-3350.	5.5	27
178	Photocatalytic Dehydroxymethylative Arylation by Synergistic Cerium and Nickel Catalysis. Journal of the American Chemical Society, 2021, 143, 4896-4902.	6.6	71
179	Emerging concepts in photocatalytic organic synthesis. IScience, 2021, 24, 102209.	1.9	109
180	Stereo- and Regioselective cis-Hydrophosphorylation of 1,3-Enynes Enabled by the Visible-Light Irradiation of NiCl ₂ (PPh ₃) ₂ . Organic Letters, 2021, 23, 2981-2987.	2.4	24
181	Dual Ni/photoredox-catalyzed asymmetric cross-coupling to access chiral benzylic boronic esters. Nature Communications, 2021, 12, 1646.	5.8	64

#	ARTICLE	IF	CITATIONS
182	Photoredox/Nickel Dual Catalytic Cross-Coupling of Potassium Thiomethyltrifluoroborates with Aryl and Heteroaryl Bromides. <i>Journal of Organic Chemistry</i> , 2021, 86, 6937-6942.	1.7	0
183	Broadly versus Barely Variable Complex Chromophores of Planar Nickel(II) from $\hat{\text{I}}^3\text{-N,N}\hat{\text{A}}^2\text{,C}$ and $\hat{\text{I}}^3\text{-N,N}\hat{\text{A}}^2\text{,O}$ Donor Platforms. <i>Organometallics</i> , 2021, 40, 1163-1177.	1.1	8
184	Highly Regio- and Enantioselective Reductive Coupling of Alkynes and Aldehydes via Photoredox Cobalt Dual Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 7306-7313.	6.6	74
185	Three-Component Aminoarylation of Electron-Rich Alkenes by Merging Photoredox with Nickel Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14399-14404.	7.2	43
186	Recyclable, Bifunctional Metallaphotocatalysts for $\text{C}\hat{\text{A}}^{\sim}\text{S}$ Cross-Coupling Reactions. <i>ChemPhotoChem</i> , 2021, 5, 716-720.	1.5	6
187	Three-Component Aminoarylation of Electron-Rich Alkenes by Merging Photoredox with Nickel Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 14520-14525.	1.6	10
188	Accessing Aliphatic Amines in $\text{C}\hat{\text{A}}^{\sim}\text{C}$ Cross-Couplings by Visible Light/Nickel Dual Catalysis. <i>Organic Letters</i> , 2021, 23, 4250-4255.	2.4	12
189	Manganese-Mediated Direct Functionalization of Hantzsch Esters with Alkyl Iodides via an Aromatization-Deaomatization Strategy. <i>Organic Letters</i> , 2021, 23, 4002-4007.	2.4	10
191	Recent Advances in Organic Synthesis Using Light-Mediated $\text{N}\hat{\text{A}}^{\sim}\text{H}$ Heterocyclic Carbene Catalysis. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4603-4610.	1.2	17
192	Nickel-Catalyzed Radical Migratory Coupling Enables C-2 Arylation of Carbohydrates. <i>Journal of the American Chemical Society</i> , 2021, 143, 8590-8596.	6.6	36
193	$\text{Ti}(\text{O}iPr)_4$ -Enabled Dual Photoredox and Nickel-Catalyzed Arylation and Alkenylation of Cyclopropanols. <i>Organic Letters</i> , 2021, 23, 5452-5456.	2.4	12
194	Photoinduced Transition-Metal-Free Alkynylation of Alkyl Pinacol Boronates. <i>CCS Chemistry</i> , 2021, 3, 1718-1728.	4.6	28
195	Asymmetric benzylic $\text{C}(\text{sp}^3)\hat{\text{A}}^{\sim}\text{H}$ acylation via dual nickel and photoredox catalysis. <i>Nature Communications</i> , 2021, 12, 3536.	5.8	63
196	Visible-Light-Induced Homolysis of Earth-Abundant Metal-Substrate Complexes: A Complementary Activation Strategy in Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21100-21115.	7.2	190
197	The Application of Pulse Radiolysis to the Study of Ni(I) Intermediates in Ni-Catalyzed Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 9332-9337.	6.6	65
198	Dual Nickel- and Photoredox-Catalyzed Reductive Cross-Coupling to Access Chiral Trifluoromethylated Alkanes. <i>Organic Letters</i> , 2021, 23, 4683-4687.	2.4	35
199	Catalyst-Free Decarbonylative Trifluoromethylthiolation Enabled by Electron Donor-Acceptor Complex Photoactivation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3507-3520.	2.1	38
200	Durch sichtbares Licht induzierte Homolyse unedler, gut verfügbarer Metallsubstratkomplexe: Eine komplementäre Aktivierungsstrategie in der Photoredoxkatalyse. <i>Angewandte Chemie</i> , 2021, 133, 21268-21284.	1.6	9

#	ARTICLE	IF	CITATIONS
201	Cobalt Catalyst Determines Regioselectivity in Ring Opening of Epoxides with Aryl Halides. <i>Journal of the American Chemical Society</i> , 2021, 143, 9368-9376.	6.6	44
202	Photo-Induced <i>ortho</i> -C-H Borylation of Arenes through In Situ Generation of Rhodium(II) Ate Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 11325-11331.	6.6	30
203	Strategic Use of Visible-Light Photoredox Catalysis in Natural Product Synthesis. <i>Chemical Reviews</i> , 2022, 122, 1717-1751.	23.0	199
204	Generation of Functionalized Alkyl Radicals via the Direct Photoexcitation of 2,2-(Pyridine-2,6-diyl)diphenol-Based Borates. <i>Organic Letters</i> , 2021, 23, 5865-5870.	2.4	21
205	Cooperative Photoredox- and Nickel-Catalyzed Alkylative Cyclization Reactions of Alkynes with 4-Alkyl-1,4-dihydropyridines. <i>Journal of Organic Chemistry</i> , 2021, 86, 12577-12590.	1.7	15
206	Late-stage C-H functionalization offers new opportunities in drug discovery. <i>Nature Reviews Chemistry</i> , 2021, 5, 522-545.	13.8	341
207	Recent advances in radical chemistry proceeding through pro-aromatic radicals. <i>CheM</i> , 2021, 7, 2060-2100.	5.8	69
208	Unlocking the Accessibility of Alkyl Radicals from Boronic Acids through Solvent-Assisted Organophotoredox Activation. <i>ACS Catalysis</i> , 2021, 11, 10862-10870.	5.5	35
209	Photoredox catalysis in nickel-catalyzed C-H functionalization. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2209-2259.	1.3	23
210	Enantioselective Reductive Homocoupling of Allylic Acetates Enabled by Dual Photoredox/Palladium Catalysis: Access to <i>C</i> ₂ -Symmetrical 1,5-Dienes. <i>Journal of the American Chemical Society</i> , 2021, 143, 12836-12846.	6.6	27
211	Visible-Light-Induced Palladium-Catalyzed Selective Defluoroarylation of Trifluoromethylarenes with Arylboronic Acids. <i>Journal of the American Chemical Society</i> , 2021, 143, 13971-13979.	6.6	99
212	Mechanistic study on the photo carboxylation of benzylic C-H bonds by xanthone and Ni(0) catalysts. <i>Molecular Catalysis</i> , 2021, 514, 111785.	1.0	3
213	Pyrene-Decoration of a Chromium(0) Tris(diisocyanide) Enhances Excited State Delocalization: A Strategy to Improve the Photoluminescence of 3d ⁶ Metal Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 15800-15811.	6.6	44
214	Photoredox Heterobimetallic Dual Catalysis Using Engineered Covalent Organic Frameworks. <i>ACS Catalysis</i> , 2021, 11, 12344-12354.	5.5	59
215	Saturated Boronic Acids, Boronates, and Trifluoroborates: An Update on Their Synthetic and Medicinal Chemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 15277-15326.	1.7	45
216	Photocatalysis in the Life Science Industry. <i>Chemical Reviews</i> , 2022, 122, 2907-2980.	23.0	183
217	Quantitative Estimation of the Hydrogen-Atom-Donating Ability of 4-Substituted Hantzsch Ester Radical Cations. <i>ACS Omega</i> , 2021, 6, 23621-23629.	1.6	11
218	Emerging Building Blocks for Medicinal Chemistry: Recent Synthetic Advances. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6478-6510.	1.2	57

#	ARTICLE	IF	CITATIONS
219	Mechanisms, challenges, and opportunities of dual Ni⁰-catalyzed C(sp²)-C(sp³) cross-couplings. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, e1573.	6.2	20
220	Visible-light-induced 3d transition metal-catalysis: A focus on C-H bond functionalization. Current Opinion in Green and Sustainable Chemistry, 2021, 32, 100539.	3.2	7
221	Highly chemoselective deoxygenation of N-heterocyclic N-oxides under transition metal-free conditions. Organic and Biomolecular Chemistry, 2021, 19, 3735-3742.	1.5	6
222	TMSOTf-mediated synthesis of skipped dienes through the addition of olefins to imines and semicyclic N,O-acetals. Organic and Biomolecular Chemistry, 2021, 19, 7883-7893.	1.5	4
223	Modular access to 1,2-allenyl ketones based on a photoredox-catalysed radical-polar crossover process. Organic and Biomolecular Chemistry, 2021, 19, 8502-8506.	1.5	11
224	Radical 1,2-addition of bromoarenes to alkynes via dual photoredox and nickel catalysis. Organic Chemistry Frontiers, 2021, 8, 2924-2931.	2.3	15
225	Photocatalytic Dearomative Intermolecular [2 + 2] Cycloaddition of Heterocycles for Building Molecular Complexity. Journal of Organic Chemistry, 2021, 86, 1730-1747.	1.7	45
226	Modular, Self-Assembling Metallaphotocatalyst for Cross-Couplings Using the Full Visible-Light Spectrum. ACS Catalysis, 2020, 10, 13269-13274.	5.5	21
227	Remote Nickel-Catalyzed Cross-Coupling Arylation via Proton-Coupled Electron Transfer-Enabled C-C Bond Cleavage. Journal of the American Chemical Society, 2020, 142, 3532-3539.	6.6	125
228	Remote C-C bond formation via visible light photoredox-catalyzed intramolecular hydrogen atom transfer. Organic and Biomolecular Chemistry, 2020, 18, 4519-4532.	1.5	87
229	Radical addition-polar termination cascade: efficient strategy for photoredox-neutral-catalysed cyclopropanation and Giese-type reactions of alkenyl N-methyliminodiacetyl boronates. Organic Chemistry Frontiers, 2020, 7, 1588-1592.	2.3	18
230	Photoinduced strategies towards strained molecules. Organic Chemistry Frontiers, 2020, 7, 2531-2537.	2.3	44
231	General and selective synthesis of primary amines using Ni-based homogeneous catalysts. Chemical Science, 2020, 11, 4332-4339.	3.7	29
232	Defluoroborylation Reactions of Fluoroarenes. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2019, 77, 883-894.	0.0	5
233	Modular Enantioselective Synthesis of cis-Cyclopropanes through Self-Sensitized Stereoselective Photodecarboxylation with Benzothiazolines. ACS Catalysis, 2021, 11, 13312-13319.	5.5	17
234	Divergent Aminocarbonylations of Alkynes Enabled by Photoredox/Nickel Dual Catalysis**. Angewandte Chemie, 0, , .	1.6	4
235	Stereodivergent Synthesis of Both Z- and E-Alkenes by Photoinduced, Ni-Catalyzed Enantioselective C(sp³)-H Alkenylation. ACS Catalysis, 2021, 11, 13567-13574.	5.5	43
236	Additive-Free, Visible-Light-Enabled Decarboxylative Alkylation of Enamides. Organic Letters, 2021, 23, 8262-8266.	2.4	21

#	ARTICLE	IF	CITATIONS
237	Nickel-Catalyzed Etherification of Phenols and Aryl Halides through Visible-Light-Induced Energy Transfer. <i>Organic Letters</i> , 2021, 23, 8327-8332.	2.4	25
238	Dual Photoredox/Nickel-Catalyzed 1,4-Sulfonylation of 1,3-Enynes with Sulfinate Salts and Aryl Halides: Entry into Tetrasubstituted Allenes. <i>Organic Letters</i> , 2021, 23, 8455-8459.	2.4	33
239	Na ₂ S ₂ O ₈ -Mediated Tandem One-Pot Construction of 3,3-Disubstituted 3,4-Dihydroquinoxalin-2(1H)-ones with 4-Alkyl-1,4-dihydropyridines as Alkyl Radical Sources. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	4
240	Divergent Aminocarbonylations of Alkynes Enabled by Photoredox/Nickel Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26511-26517.	7.2	37
241	Nickel-Mediated Photoreductive Cross Coupling of Carboxylic Acid Derivatives for Ketone Synthesis**. <i>Chemistry - A European Journal</i> , 2021, 27, 18168-18174.	1.7	12
242	Visible-Light-Promoted Cross-Coupling of <i>N</i> -Alkylpyridinium Salts and Nitrostyrenes. <i>Organic Letters</i> , 2021, 23, 8705-8710.	2.4	12
243	Enantioselective ¹² C(sp ³)-H arylation of amides via synergistic nickel and photoredox catalysis. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9407-9409.	1.5	7
244	Pyridines and Their Benzo Derivatives: Reactivity of Reduced Compounds. , 2020, , 92-92.		0
245	Mechanistic Understanding of Arylation vs Alkylation of Aliphatic C _{sp3} -H Bonds by Decatungstate-Nickel Catalysis. <i>ACS Catalysis</i> , 2021, 11, 13973-13982.	5.5	15
246	Acetylation of alcohols and amines under visible light irradiation: diacetyl as an acylation reagent and photosensitizer. <i>Organic Chemistry Frontiers</i> , 2022, 9, 311-319.	2.3	5
247	Decarbonylative cascade cyclization of ortho-cyanoarylacrylamides with pivaldehyde: Access to tert-butyl containing quinolone-2,4(1H,3H)-diones. <i>Tetrahedron</i> , 2022, 103, 132547.	1.0	2
248	Enabling Metallophotoredox Catalysis in Parallel Solution-Phase Synthesis Using Disintegrating Reagent Tablets. <i>Journal of Organic Chemistry</i> , 2021, 86, 16535-16547.	1.7	5
249	Metal-Free Tandem One-Pot Construction of 3,3-Disubstituted 3,4-Dihydroquinoxalin-2(1H)-ones under Visible-Light Photoredox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 658-664.	2.1	6
250	Tunable and Practical Homogeneous Organic Reductants for Cross-Electrophile Coupling. <i>Journal of the American Chemical Society</i> , 2021, 143, 21024-21036.	6.6	23
251	Photons or Electrons? A Critical Comparison of Electrochemistry and Photoredox Catalysis for Organic Synthesis. <i>Chemical Reviews</i> , 2022, 122, 2487-2649.	23.0	210
252	Photochemistry at Scale: Wireless Light Emitters Drive Sustainability in Process Research & Development. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	5
253	Progress in Visible-Light Catalyzed C-F Bond Functionalization of gem-Difluoroalkenes. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 4192.	0.6	8
254	Selective 1,4-arylsulfonation of 1,3-enynes via photoredox/nickel dual catalysis. <i>Organic Chemistry Frontiers</i> , 2022, 9, 788-794.	2.3	14

#	ARTICLE	IF	CITATIONS
255	Using Data Science To Guide Aryl Bromide Substrate Scope Analysis in a Ni/Photoredox-Catalyzed Cross-Coupling with Acetals as Alcohol-Derived Radical Sources. <i>Journal of the American Chemical Society</i> , 2022, 144, 1045-1055.	6.6	74
256	C–C Bond Formation Through Cross-Electrophile Coupling Reactions. , 2022, , 89-119.		1
257	Nickel-catalysed cross-electrophile coupling of aryl bromides and primary alkyl bromides. <i>RSC Advances</i> , 2022, 12, 3569-3572.	1.7	1
258	Switchable Divergent Synthesis Using Photocatalysis. <i>ACS Catalysis</i> , 2022, 12, 1857-1878.	5.5	62
259	Radical Carbonyl Umpolung Arylation via Dual Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 1899-1909.	6.6	47
260	Nickel and Palladium Catalysis: Stronger Demand than Ever. <i>ACS Catalysis</i> , 2022, 12, 1180-1200.	5.5	77
261	Microenvironment modulation of cuprous cluster enables inert aryl chlorides activation in single-molecule metallaphotoredox amination. <i>Journal of Catalysis</i> , 2022, 405, 313-321.	3.1	3
262	Allylic C(sp ³)–H arylation of olefins via ternary catalysis. , 2022, 1, 59-68.		22
263	Light-Promoted Dearomative Cross-Coupling of Heteroarene Salts and Aryl Iodides via Nickel Catalysis. <i>ACS Catalysis</i> , 2022, 12, 1818-1829.	5.5	7
264	Recent Advances in Photoredox/Nickel Dual-Catalyzed Difunctionalization of Alkenes and Alkynes. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 1.	0.6	24
265	Nickel-Catalyzed Arylative Cyclizations of Alkyne- and Allene-Tethered Electrophiles using Arylboron Reagents. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	22
266	A nickel/organoboron catalyzed metallaphotoredox platform for C(sp ²)–P and C(sp ²)–S bond construction. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1070-1076.	2.3	11
267	Transition-metal-free alkylation strategy: facile access to alkylated oxindoles via alkyl transfer. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1958-1968.	1.5	9
268	Irradiation with UV Light Accelerates the Migita–Kosugi–Stille Coupling Reaction in Air. <i>Chemistry Letters</i> , 2022, 51, 124-126.	0.7	1
269	Photocatalytic Synthesis of Diarylmethyl Silanes via 1,6-Conjugate Addition of Silyl Radicals to <i>o</i> -Quinone Methides. <i>Journal of Organic Chemistry</i> , 2022, 87, 3567-3576.	1.7	16
270	Highly selective synthesis of all-carbon tetrasubstituted alkenes by deoxygenative alkenylation of carboxylic acids. <i>Nature Communications</i> , 2022, 13, 10.	5.8	58
271	Visible-Light-Initiated Hydroxyoxygenation of Unactivated Alkenes: A Strategy for Anti-Markovnikov Hydrofunctionalization. <i>ACS Catalysis</i> , 2022, 12, 2499-2504.	5.5	11
272	Asymmetric β^2 -arylation of cyclopropanols enabled by photoredox and nickel dual catalysis. <i>Chemical Science</i> , 2022, 13, 3020-3026.	3.7	4

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273	Enantioselective synthesis of cyclic β -aminoboronates via copper-catalyzed dearomative borylation of 4-quinolinols. <i>Chemical Communications</i> , 2022, 58, 3677-3680.	2.2	2
274	Visible-light-induced, autopromoted nickel-catalyzed three-component arylsulfonation of 1,3-enynes and mechanistic insights. <i>Science China Chemistry</i> , 2022, 65, 753-761.	4.2	15
275	Catalytic cleavage and functionalization of bulky and inert Csp^3-Csp^3 bonds via a relayed proton-coupled electron transfer strategy. <i>Cell Reports Physical Science</i> , 2022, 3, 100763.	2.8	10
276	d^{10} Metal-Catalyzed Alkyl-Alkyl Cross-Coupling Enabled by a Redox-Active Ligand. <i>ACS Catalysis</i> , 2022, 12, 3094-3099.	5.5	16
277	Organophotoredox/Ni-Cocatalyzed Allylation of Allenes: Regio- and Diastereoselective Access to Homoallylic Alcohols. <i>ACS Catalysis</i> , 2022, 12, 3249-3255.	5.5	19
278	Visible light-driven efficient palladium catalyst turnover in oxidative transformations within confined frameworks. <i>Nature Communications</i> , 2022, 13, 928.	5.8	23
279	Oxidative Addition of Aryl Halides to a Ni(I)-Bipyridine Complex. <i>Journal of the American Chemical Society</i> , 2022, 144, 5575-5582.	6.6	60
280	Regio-, Diastereo-, and Enantioselective Decarboxylative Hydroaminoalkylation of Dienol Ethers Enabled by Dual Palladium/Photoredox Catalysis. <i>Angewandte Chemie</i> , 0, , .	1.6	1
281	Sustainable Thioetherification via Electron Donor-Acceptor Photoactivation Using Thianthrenium Salts. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
282	Dual Cobalt/Organophotoredox Catalysis for Diastereo- and Regioselective 1,2-Difunctionalization of 1,3-Diene Surrogates Creating Quaternary Carbon Centers. <i>ACS Catalysis</i> , 2022, 12, 3651-3659.	5.5	21
283	Photoinduced Merging with Copper or Nickel-Catalyzed 1,4-Cyanoalkylation of 1,3-Enynes to Access Multiple Functionalized Allenes in Batch and Continuous Flow. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1537-1545.	2.6	17
284	Sustainable Thioetherification via Electron Donor-Acceptor Photoactivation Using Thianthrenium Salts. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	65
285	Regio-, Diastereo-, and Enantioselective Decarboxylative Hydroaminoalkylation of Dienol Ethers Enabled by Dual Palladium/Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
286	Mesoporous Graphitic Carbon Nitride as a Heterogeneous Organic Photocatalyst in the Dual Catalytic Arylation of Alkyl Bis(catecholato)silicates. <i>Organic Letters</i> , 2022, 24, 2483-2487.	2.4	11
287	Concise syntheses of GB22, GB13, and himgaline by cross-coupling and complete reduction. <i>Science</i> , 2022, 375, 1270-1274.	6.0	20
288	Diverse synthesis of C2-linked functionalized molecules via molecular glue strategy with acetylene. <i>Nature Communications</i> , 2022, 13, 1858.	5.8	17
289	Photo-induced trifunctionalization of bromostyrenes via remote radical migration reactions of tetracoordinate boron species. <i>Nature Communications</i> , 2022, 13, 1784.	5.8	11
290	Photoinduced nickel-catalyzed enantioselective coupling reactions. <i>Coordination Chemistry Reviews</i> , 2022, 460, 214479.	9.5	20

#	ARTICLE	IF	CITATIONS
291	Aromatization as an Impetus to Harness Ketones for Metallaphotoredox-Catalyzed Benzoylation/Benzylation of (Hetero)arenes. <i>Organic Letters</i> , 2022, 24, 85-89.	2.4	23
292	DABCO-promoted photocatalytic C-H functionalization of aldehydes. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2959-2967.	1.3	4
293	Ligand-regulated metal-organic frameworks for synergistic photoredox and nickel catalysis. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3116-3129.	3.0	3
294	Dual Photocatalysis for the Straightforward Coupling of Thiosugars and Arylsulfoximines: Towards Unprecedented Cyclic Heteroatomic Structures. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	2
295	Visible-Light-Promoted Nickel-Catalyzed Cross-Coupling of Iodocarboranes with (Hetero)Arenes via Boron-Centered Carboranyl Radicals. <i>Journal of the American Chemical Society</i> , 2022, 144, 7960-7965.	6.6	24
296	A Compact, Practical Photoreactor for Multi-Reaction Arrays. <i>Reaction Chemistry and Engineering</i> , 0, , .	1.9	6
297	C2-ketonylation of carbohydrates <i>via</i> excited-state palladium-catalyzed 1,2-spin-center shift. <i>Chemical Science</i> , 2022, 13, 6276-6282.	3.7	20
298	Photoredox- and Nickel-Catalyzed Hydroalkylation of Alkynes with 4-Alkyl-1,4-dihydropyridines: Ligand-Controlled Regioselectivity. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	7
299	The quest for magic: recent advances in C(sp ³)-H methylation. <i>Pure and Applied Chemistry</i> , 2022, 94, 547-558.	0.9	1
300	Regio- and Diastereoselective Decarboxylative Allylation of <i>N</i> -Aryl α -Amino Acids by Dual Photoredox/Nickel Catalysis. <i>ACS Catalysis</i> , 0, , 5949-5960.	5.5	2
301	Modular Access to Chiral α -(Hetero)aryl Amines via Ni/Photoredox-Catalyzed Enantioselective Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2022, 144, 8797-8806.	6.6	56
302	Dihydroquinazolinones as adaptative C(sp ³) handles in arylations and alkylations <i>via</i> dual catalytic C-C bond-functionalization. <i>Nature Communications</i> , 2022, 13, 2394.	5.8	27
303	Accelerated Direct Hydroxylation of Aryl Chlorides with Water to Phenols <i>via</i> the Proximity Effect in a Heterogeneous Metallaphotocatalyst. <i>ACS Catalysis</i> , 2022, 12, 6068-6080.	5.5	25
304	α -Amino Radical Halogen Atom Transfer Agents for Metallaphotoredox-Catalyzed Cross-Electrophile Couplings of Distinct Organic Halides. <i>ChemSusChem</i> , 2022, 15, .	3.6	12
305	Visible-light-induced cross-coupling of aryl iodides with hydrazones <i>via</i> an EDA-complex. <i>Chemical Science</i> , 2022, 13, 7165-7171.	3.7	15
306	Nickel-Catalyzed Three-Component Alkylacylation of Alkenes Enabled by a Photoactive Electron Donor-Acceptor Complex. <i>Organic Letters</i> , 2022, 24, 3938-3943.	2.4	20
307	ART ⁺ -An Amino Radical Transfer Strategy for C(sp ²)-C(sp ³) Coupling Reactions, Enabled by Dual Photo/Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 9997-10005.	6.6	14
308	Carbene and photocatalyst-catalyzed decarboxylative radical coupling of carboxylic acids and acyl imidazoles to form ketones. <i>Nature Communications</i> , 2022, 13, .	5.8	53

#	ARTICLE	IF	CITATIONS
309	Visible-Light-Promoted Desulfurative Alkylation of Alkyl Thianthrenium Salts with Activated Olefins. <i>Organic Letters</i> , 2022, 24, 4070-4074.	2.4	10
310	Visible light-induced Ni-catalyzed C–N heteroatom cross-coupling of aryl halides via LMCT with DBU to access a Ni(II)/Ni(III) cycle. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3847-3853.	2.3	19
311	Expedient access to N-alkylphthalimides via redox-neutral photocatalysed Giese-type reactions. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5377-5382.	1.5	5
312	Autocatalytic aerobic ipso-hydroxylation of arylboronic acid with Hantzsch ester and Hantzsch pyridine. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4091-4096.	2.3	6
313	Nickel-catalysed SET-reduction-based access to functionalized allenes via 1,4-carbohydrogenation of 1,3-enynes with alkyl bromides. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3862-3868.	2.3	9
314	Catalytic defluorinative ketyl–olefin coupling by halogen-atom transfer. <i>Chemical Science</i> , 2022, 13, 7855-7862.	3.7	12
315	Efficient synthesis of β -substituted amines via combining deoxygenation of amides with photochemical organocatalysis. <i>Cell Reports Physical Science</i> , 2022, 3, 100955.	2.8	10
316	Nickel catalyzed multicomponent stereodivergent synthesis of olefins enabled by electrochemistry, photocatalysis and photo-electrochemistry. <i>Nature Communications</i> , 2022, 13, .	5.8	32
317	Iron-Promoted Oxidative Alkylation/Cyclization of Ynones with 4-Alkyl-1,4-dihydropyridines: Access to 2-Alkylated Indenones. <i>Journal of Organic Chemistry</i> , 2022, 87, 8599-8610.	1.7	5
318	Photoinduced carbonylation reactions: unlocking new reactivities towards amide synthesis. <i>Chemical Communications</i> , 2022, 58, 8322-8339.	2.2	11
319	Radical umpolung chemistry enabled by dual catalysis: concept and recent advances. <i>Catalysis Science and Technology</i> , 2022, 12, 5241-5251.	2.1	2
320	Two-in-one metallaphotoredox cross-couplings enabled by a photoactive ligand. <i>Chem</i> , 2022, 8, 2419-2431.	5.8	17
321	Dual Nickel/Photoredox-Catalyzed Site-Selective Cross-Coupling of 1,2-Bis-Boronic Esters Enabled by 1,2-Boron Shifts. <i>Angewandte Chemie</i> , 0, .	1.6	2
322	C–S Cross-Coupling Reactions Catalyzed by Well-Defined Copper and Nickel Complexes. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	5
323	Nickel-Catalyzed anti-Markovnikov Hydroalkylation of Trifluoromethylalkenes. <i>ACS Catalysis</i> , 2022, 12, 9410-9417.	5.5	26
324	Dual Nickel/Photoredox-Catalyzed Site-Selective Cross-Coupling of 1,2-Bis-Boronic Esters Enabled by 1,2-Boron Shifts. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
325	Cooperative triple catalysis enables regioirregular formal Mizoroki–Heck reactions. , 2022, 1, 565-575.		19
326	The Nickel Age in Synthetic Dual Photocatalysis: A Bright Trip Toward Materials Science. <i>ChemSusChem</i> , 2022, 15, .	3.6	19

#	ARTICLE	IF	CITATIONS
327	Dicarbofunctionalization of [1.1.1]Propellane Enabled by Nickel/Photoredox Dual Catalysis: One-Step Multicomponent Strategy for the Synthesis of BCP-Aryl Derivatives. <i>Journal of the American Chemical Society</i> , 2022, 144, 12961-12969.	6.6	56
328	Kinetics of a Ni/Ir-Photocatalyzed Coupling of ArBr with RBr: Intermediacy of ArNi ^{II} (L)Br and Rate/Selectivity Factors. <i>Journal of the American Chemical Society</i> , 2022, 144, 15372-15382.	6.6	15
329	Dual Photoredox Ni/Benzophenone Catalysis: A Study of the Ni ^{II} Precatalyst Photoreduction Step. <i>Journal of Organic Chemistry</i> , 2022, 87, 11172-11184.	1.7	2
330	Light-Promoted Nickel-Catalyzed Aromatic Halogen Exchange. <i>ACS Catalysis</i> , 2022, 12, 11089-11096.	5.5	19
331	Ni/Photoredox-Catalyzed C(sp ²)–C(sp ³) Cross-Coupling of Alkyl Pinacolboronates and (Hetero)Aryl Bromides. <i>Organic Letters</i> , 2022, 24, 5663-5668.	2.4	3
332	Dicarbofunctionalizations of an Unactivated Alkene via Photoredox/Nickel Dual Catalysis. <i>Organic Letters</i> , 2022, 24, 6261-6265.	2.4	8
333	Total Synthesis of the Tetracyclic Pyridinium Alkaloid epi-Tetradehydrohalicyclamine B. <i>Angewandte Chemie</i> , 0, .	1.6	1
334	Total Synthesis of the Tetracyclic Pyridinium Alkaloid epi-Tetradehydrohalicyclamine B. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
335	Visible-Light-Promoted Nickel-Catalyzed Cross-Coupling of Alkyltitanium Alkoxides with Aryl and Alkenyl Halides. <i>Organic Letters</i> , 2022, 24, 6277-6281.	2.4	3
336	Photocatalyzed Dehydrogenation of Aliphatic N-Heterocycles Releasing Dihydrogen. <i>ACS Catalysis</i> , 2022, 12, 10326-10332.	5.5	13
337	Photo-driven metal-free multicomponent reaction between aldehydes, anilines and 4-substituted-DHPs for the synthesis of secondary amines. <i>Green Chemistry</i> , 2022, 24, 7968-7973.	4.6	6
338	Direct acylation and alkynylation of hydrocarbons via synergistic decatungstate photo-HAT/nickel catalysis. <i>Chemical Communications</i> , 2022, 58, 11937-11940.	2.2	7
339	Research Progress on Light-Promoted Transition Metal-Catalyzed C-Heteroatom Bond Coupling Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 2275.	0.6	3
340	Investigations into mechanism and origin of regioselectivity in the metallaphotoredox-catalyzed β -arylation of N-alkylbenzamides. <i>Chemical Science</i> , 2022, 13, 10566-10573.	3.7	8
341	Recent advancements in visible-light-driven carboxylation with carbon dioxide. <i>Chemical Communications</i> , 2022, 58, 9312-9327.	2.2	9
342	Selective Reductive Coupling of Vinyl Azaarenes and Alkynes via Photoredox Cobalt Dual Catalysis. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
343	Catalyst-free Hantzsch Ester-mediated Organic Transformations Driven by Visible light. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	16
344	Electrophotochemical Metal-Catalyzed Decarboxylative Coupling of Aliphatic Carboxylic Acids. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	19

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345	Selective Reductive Coupling of Vinyl Azaarenes and Alkynes via Photoredox Cobalt Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	16
346	Visible Light-Induced Deoxygenation and Allylation/Vinylation of Pyridyl Ethers. <i>Organic Letters</i> , 2022, 24, 7309-7314.	2.4	2
349	Injectable versatile liquid-solid transformation implants alliance checkpoint blockade for magnetothermal dynamic-immunotherapy. <i>Materials Today Bio</i> , 2022, 16, 100442.	2.6	0
350	Organogermanium(IV) compounds in photo-induced radical reactions. <i>Organic Chemistry Frontiers</i> , 2022, 9, 7016-7027.	2.3	11
351	Ion-Pairing Catalysis in Stereoselective, Light-Induced Transformations. <i>Journal of the American Chemical Society</i> , 2022, 144, 19207-19218.	6.6	19
352	Photoredox-Mediated Deoxygenative Radical Additions of Aromatic Acids to Vinyl Boronic Esters and β -Borylalkenes**. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	7
353	The Role of Excited States of $\text{LNi}^{\text{II/III}}$ (Aryl) (Halide) Complexes in Ni^{II} -Halide Bond Homolysis in the Arylation of C^{sp^3} -H Bonds. <i>ACS Catalysis</i> , 2022, 12, 13215-13224.	5.5	13
354	An Alternative to the Arbuzov Reaction: Generation and Transformation of β -Dialkyl-Substituted Methylphosphonate Carbanions via an SET Reduction Process. <i>Synthesis</i> , 2023, 55, 907-918.	1.2	4
355	Programmable Photocatalytic Activity of Multicomponent Covalent Organic Frameworks Used as Metallaphotocatalysts. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	5
357	Allenyl Radicals in Organic Synthesis: Challenges and Recent Advances. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	2
358	Integrated nickel/polymer dual catalytic system for visible-light-driven sulfonamidation between aryl halides and aryl sulfonamides. <i>Chem Catalysis</i> , 2022, 2, 3546-3558.	2.9	12
359	Visible light metallaphotoredox catalysis in the late-stage functionalization of pharmaceutically potent compounds. <i>Organic Chemistry Frontiers</i> , 2022, 10, 216-236.	2.3	19
360	Convergent paired electrosynthesis of different types of bis- β -diketone derivatives based on the knoevenagel condensation reaction under green conditions. <i>Electrochimica Acta</i> , 2023, 437, 141512.	2.6	0
361	Photocatalytic Cleavage of Trityl Protected Thiols and Alcohols. <i>Synthesis</i> , 2023, 55, 1367-1374.	1.2	1
362	Metallaphotoredox Decarboxylative Arylation of Natural Amino Acids via an Elusive Mechanistic Pathway. <i>ACS Catalysis</i> , 2023, 13, 647-658.	5.5	9
363	Hypervalent iodine mediated $\text{Pd}(\text{II})$ -catalyzed <i>ortho</i> - C^{sp^2} -H functionalization of azoles deciphering Hantzsch ester and malononitrile as the functional group surrogates. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0
364	Mechanistic insights into the photocatalytic valorization of lignin models via $\text{C}^{\text{O}}/\text{C}^{\text{C}}$ cleavage or $\text{C}^{\text{C}}/\text{C}^{\text{N}}$ coupling. <i>Chem Catalysis</i> , 2023, 3, 100470.	2.9	5
365	Photochemical Synthesis of Anilines via Ni-Catalyzed Coupling of Aryl Halides with Ammonium Salts. <i>ACS Catalysis</i> , 2022, 12, 15590-15599.	5.5	23

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366	Visible-Light-Induced Nickel-Catalyzed Radical Cross-Couplings to Access β -Aryl- β -trifluoromethyl Alcohols. <i>Organic Letters</i> , 2022, 24, 9332-9336.	2.4	7
367	Regio- and Stereoselective Reductive Coupling of Alkynes and Crotononitrile. <i>Journal of the American Chemical Society</i> , 2022, 144, 23001-23009.	6.6	19
368	Advances in Enantioconvergent Transition-Metal-Catalyzed Cross-Coupling Reactions of Racemic β -Silyl and β -Boryl Reagents. <i>Synthesis</i> , 0, , .	1.2	3
369	Ligand-controlled stereodivergent alkenylation of alkynes to access functionalized trans- and cis-1,3-dienes. <i>Nature Communications</i> , 2023, 14, .	5.8	20
370	Machine Learning Classification for the Prediction of Catalytic Activity of Organic Photosensitizers in the Nickel(II)-Salt-Induced Synthesis of Phenols. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
371	Combining the best of both worlds: radical-based divergent total synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 0, 19, 1-26.	1.3	4
372	Machine Learning Classification for the Prediction of Catalytic Activity of Organic Photosensitizers in the Nickel(II)-Salt-Induced Synthesis of Phenols. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	3
373	A Visible Light Driven Nickel Carbonylation Catalyst: The Synthesis of Acid Chlorides from Alkyl Halides. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	13
374	A Visible Light Driven Nickel Carbonylation Catalyst: The Synthesis of Acid Chlorides from Alkyl Halides. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
375	Cyclopropanation of <i>N</i> -vinylimides via a redox-neutral photocatalysed radical addition/anionic cyclisation process. <i>Organic Chemistry Frontiers</i> , 2023, 10, 1245-1251.	2.3	3
376	Synthesis of Chiral β -Amino Ketones via Transition Metal Catalyzed or Photoredox Cross-Coupling and Olefin Photo-Cleavage Reaction Sequence. <i>Advanced Synthesis and Catalysis</i> , 0, , .	2.1	1
377	Generation and Use of Glycosyl Radicals under Acidic Conditions: Glycosyl Sulfinates as Precursors. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	13
378	Generation and Use of Glycosyl Radicals under Acidic Conditions: Glycosyl Sulfinates as Precursors. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
379	Directed Photochemically Mediated Nickel-Catalyzed (Hetero)arylation of Aliphatic C-H Bonds. <i>Journal of the American Chemical Society</i> , 2023, 145, 3882-3890.	6.6	4
380	Recent Advances in Nickel-Catalyzed C-C Cross-Coupling. <i>Topics in Organometallic Chemistry</i> , 2023, , 181-231.	0.7	1
381	Photocatalytic Decarboxylative Coupling of Aliphatic β -Hydroxyphthalimide Esters with Bromopolyfluorobenzene. <i>Advanced Synthesis and Catalysis</i> , 2023, 365, 854-859.	2.1	3
382	Enantioselective C(sp ³)-H Functionalization of Oxacycles via Photo-HAT/Nickel Dual Catalysis. <i>Journal of the American Chemical Society</i> , 2023, 145, 5231-5241.	6.6	18
383	Mechanistic Insights into Enantioselective C(sp ³)-H Acylation to Construct β -Amino Ketones via Photoredox and Ni(II) Dual Catalysis: A DFT Study. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	1.7	1

#	ARTICLE	IF	CITATIONS
384	Synthesis of thiophosphates by visible-light Dual photoredox/nickel catalysis. <i>Tetrahedron</i> , 2023, 136, 133338.	1.0	0
385	Multimetallc-Catalyzed C=C Bond-Forming Reactions: From Serendipity to Strategy. <i>Journal of the American Chemical Society</i> , 2023, 145, 6596-6614.	6.6	18
386	Catalyst-free photochemical reactions of alkyl dihydropyridines via modulation of chromophores and light wavelength. <i>New Journal of Chemistry</i> , 2023, 47, 7369-7374.	1.4	2
387	Photoinduced Cobalt-Catalyzed Desymmetrization of Dialdehydes to Access Axial Chirality. <i>Journal of the American Chemical Society</i> , 2023, 145, 6944-6952.	6.6	24
388	Poly(heptazine imide) ligand exchange enables remarkable low catalyst loadings in heterogeneous metallaphotocatalysis. <i>Nature Communications</i> , 2023, 14, .	5.8	17
389	Pd-Catalyzed Photochemical Alkylative Functionalization of C=C and C=N Bonds. <i>Journal of Organic Chemistry</i> , 2023, 88, 4422-4433.	1.7	5
390	Overcoming Energy Transfer for the Metallophotoredox Catalyzed Decarboxylative Alkenylation between Alkylcarboxylic Acids and Enol Triflates. <i>Chemistry - A European Journal</i> , 0, , .	1.7	1
391	Design, synthesis and visible-light-induced non-radical reactions of dual-functional Rh catalysts. , 2023, 2, 535-547.		5
392	Interrogating the Mechanistic Features of Ni(I)-Mediated Aryl Iodide Oxidative Addition Using Electroanalytical and Statistical Modeling Techniques. <i>Journal of the American Chemical Society</i> , 0, , .	6.6	13
393	Virtual Ligand Strategy in Transition Metal Catalysis Toward Highly Efficient Elucidation of Reaction Mechanisms and Computational Catalyst Design. <i>ACS Catalysis</i> , 2023, 13, 5697-5711.	5.5	3
394	Site- and Stereoselective Synthesis of Alkenyl Chlorides by Dual Functionalization of Internal Alkynes via Photoredox/Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2023, 145, 9876-9885.	6.6	7
395	Synthesis of $\hat{\pm}$ -Haloboronates by the Halogenation of <i>gem</i> -Diborylalkanes via Tetracoordinate Boron Species. <i>Organic Letters</i> , 2023, 25, 2928-2933.	2.4	4
396	Deoxygenative Radical Boration of Inert Amides via a Combination of Relay and Cooperative Catalysis. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	4
397	Rapid Synthesis of $\hat{2}$ -Chiral Sulfones by Ni-Organophotocatalyzed Enantioselective Sulfonylalkenylation of Alkenes. <i>Jacs Au</i> , 2023, 3, 1321-1327.	3.6	10
399	Photoredox Microfluidic Synthesis of Trifluoromethylated Amino Acids. <i>Organic Letters</i> , 2023, 25, 3083-3088.	2.4	1
402	Heterogeneous Metallaphotocatalytic C(sp ²) $\hat{\text{C}}$ (sp ³) Cross-Coupling Reactions with Integrated Bipyridyl-Ni(II)-Carbon Nitride. <i>Organic Letters</i> , 2023, 25, 4124-4129.	2.4	5
403	Late-stage Functionalization for Improving Drug-like Molecular Properties. <i>Chemical Reviews</i> , 2023, 123, 8127-8153.	23.0	22
412	Formal Cross-Coupling of Amines and Carboxylic Acids to Form sp ³ $\hat{\text{C}}$ (sp ²) Carbon $\hat{\text{C}}$ Carbon Bonds. <i>Journal of the American Chemical Society</i> , 2023, 145, 10930-10937.	6.6	14

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418	The mechanism of visible light-induced C=C cross-coupling by C _{sp³} -H bond activation. <i>Chemical Society Reviews</i> , 2023, 52, 5373-5387.	18.7	7
419	Development of Photoredox Cross-Electrophile Coupling of Strained Heterocycles with Aryl Bromides Using High-Throughput Experimentation for Library Construction. <i>Organic Letters</i> , 0, , .	2.4	2
426	Persulfate promoted carbamoylation of <i>N</i> -arylacrylamides and <i>N</i> -arylcinnamamides with 4-carbamoyl-Hantzsch esters. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 7530-7534.	1.5	3
442	Coupling Reaction Between sp ³ -Carbon Centers. , 2023, , .		0
445	Enantioselective C=C bond formation in complex multicatalytic systems. <i>Advances in Catalysis</i> , 2023, , 211-244.	0.1	0
458	Visible-light-driven EDA complex-promoted cascade cyclization to construct 4-cyanoalkyl isoquinoline-1,3-diones. <i>Chemical Communications</i> , 2024, 60, 2958-2961.	2.2	0