

Organic Photoredox Catalysis

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Citation Report

#	ARTICLE	IF	CITATIONS
9	Photocatalytic Decarboxylative Hydroxylation of Carboxylic Acids Driven by Visible Light and Using Molecular Oxygen. <i>Journal of Organic Chemistry</i> , 2016, 81, 7250-7255.	1.7	60
10	Synthesis of Hydrazone-Containing Chroman-2-ones and Dihydroquinolin-2-ones via Photocatalytic Radical Cascade Reaction of Aroylhydrazones. <i>Organic Letters</i> , 2016, 18, 6304-6307.	2.4	23
11	9,10-Dicyanoanthracene Catalyzed Decarboxylative Alkynylation of Carboxylic Acids under Visible-Light Irradiation. <i>Journal of Organic Chemistry</i> , 2016, 81, 12357-12363.	1.7	53
13	Visible-Light-Induced Direct Oxidative C-H Amidation of Heteroarenes with Sulfonamides. <i>Chemistry - A European Journal</i> , 2016, 22, 15669-15673.	1.7	68
14	Direct and Oxidant-Free Electron-Deficient Arylation of <i>N</i> -Acyl-Protected Tetrahydroisoquinolines. <i>Organic Letters</i> , 2016, 18, 4686-4689.	2.4	36
15	Visible-Light-Promoted Metal-Free Aerobic Oxidation of Primary Amines to Acids and Lactones. <i>Chemistry - A European Journal</i> , 2016, 22, 17566-17570.	1.7	17
16	Visible-Light-Induced Cascade Reaction of Isocyanides and <i>N</i> -Arylacrylamides with Diphenylphosphine Oxide via Radical C-P and C-C Bond Formation. <i>Organic Letters</i> , 2016, 18, 4928-4931.	2.4	105
17	A visible-light photocatalytic N-radical cascade of hydrazones for the synthesis of dihydropyrazole-fused benzosultams. <i>Chemical Communications</i> , 2016, 52, 12749-12752.	2.2	87
18	A visible-light-induced chemoselective radical/oxidative addition domino process to access β -chloro and β -alkoxy aryl ketones. <i>Chemical Communications</i> , 2016, 52, 13105-13108.	2.2	21
19	Photoredox Catalysis in Organic Chemistry. <i>Journal of Organic Chemistry</i> , 2016, 81, 6898-6926.	1.7	2,156
20	Metal-Free Photocatalyzed Cross Coupling of Bromoheteroarenes with Pyrroles. <i>ACS Catalysis</i> , 2016, 6, 6780-6784.	5.5	69
21	Asymmetric Catalysis with Organic Azides and Diazo Compounds Initiated by Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2016, 138, 12636-12642.	6.6	160
22	A General Approach to Catalytic Alkene Anti-Markovnikov Hydrofunctionalization Reactions via Acridinium Photoredox Catalysis. <i>Accounts of Chemical Research</i> , 2016, 49, 1997-2006.	7.6	404
23	Organocatalyzed Atom Transfer Radical Polymerization Using <i>N</i> -Aryl Phenoxazines as Photoredox Catalysts. <i>Journal of the American Chemical Society</i> , 2016, 138, 11399-11407.	6.6	300
24	A Simple and Versatile Reactor for Photochemistry. <i>Organic Process Research and Development</i> , 2016, 20, 1792-1798.	1.3	45
25	Visible-light-mediated generation of nitrile oxides for the photoredox synthesis of isoxazolines and isoxazoles. <i>Chemical Communications</i> , 2016, 52, 12302-12305.	2.2	40
26	The photophysics of photoredox catalysis: a roadmap for catalyst design. <i>Chemical Society Reviews</i> , 2016, 45, 5803-5820.	18.7	636
27	Metal-Free Visible-Light-Mediated Oxidative Cross-Coupling of Thiols with P(O)H Compounds Using Air as the Oxidant. <i>Organic Letters</i> , 2016, 18, 5114-5117.	2.4	117

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28	Visible-Light-Promoted Carboimination of Unactivated Alkenes for the Synthesis of Densely Functionalized Pyrroline Derivatives. <i>ACS Catalysis</i> , 2016, 6, 5571-5574.	5.5	107
29	Acridinium-Based Photocatalysts: A Sustainable Option in Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 7244-7249.	1.7	259
30	Photocatalytic C-C Bond Cleavage and Amination of Cycloalkanols by Cerium(III) Chloride Complex. <i>Angewandte Chemie</i> , 2016, 128, 15545-15548.	1.6	59
31	To Photoredox or Not in Neutral Aqueous Solutions for Selected Benzophenone and Anthraquinone Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4860-4864.	2.1	7
32	Synthesis of stilbene derivatives via visible-light-induced cross-coupling of aryl diazonium salts with nitroalkenes using NO ₂ as a leaving group. <i>Chemical Communications</i> , 2016, 52, 14234-14237.	2.2	34
33	Visible-Light Photo-Arbusov Reaction of Aryl Bromides and Trialkyl Phosphites Yielding Aryl Phosphonates. <i>ACS Catalysis</i> , 2016, 6, 8410-8414.	5.5	125
34	Intramolecular radical non-reductive alkylation of ketones via transient enamines. <i>Chemical Communications</i> , 2016, 52, 14031-14034.	2.2	10
35	Photocatalytic C-C Bond Cleavage and Amination of Cycloalkanols by Cerium(III) Chloride Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15319-15322.	7.2	242
36	Catalytic Diverse Radical-Mediated 1,2-Cyanofunctionalization of Unactivated Alkenes via Synergistic Remote Cyano Migration and Protected Strategies. <i>Organic Letters</i> , 2016, 18, 6026-6029.	2.4	72
37	Synthesis of 1,4-Dicarbonyl Compounds from Silyl Enol Ethers and Bromocarbonyls, Catalyzed by an Organic Dye under Visible-Light Irradiation with Perfect Selectivity for the Halide Moiety over the Carbonyl Group. <i>Organic Letters</i> , 2016, 18, 5704-5707.	2.4	54
38	Aryl Ketones as Single-Electron-Transfer Photoredox Catalysts in the Nickel-Catalyzed Homocoupling of Aryl Halides. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5822-5825.	1.2	31
39	Radical-Mediated 1,2-Formyl/Carbonyl Functionalization of Alkenes and Application to the Construction of Medium-Sized Rings. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15100-15104.	7.2	163
40	Metal-Free Synthesis of 6-Phosphorylated Phenanthridines: Synthetic and Mechanistic Insights. <i>Organic Letters</i> , 2016, 18, 5900-5903.	2.4	57
41	Visible-Light-Mediated Oxidative Dimerization of Arylalkynes in the Open Air: Stereoselective Synthesis of (<i>Z</i>)-1,4-Enediones. <i>Organic Letters</i> , 2016, 18, 5860-5863.	2.4	22
42	Radical-Mediated 1,2-Formyl/Carbonyl Functionalization of Alkenes and Application to the Construction of Medium-Sized Rings. <i>Angewandte Chemie</i> , 2016, 128, 15324-15328.	1.6	48
43	Porphyrins as Photoredox Catalysts: Experimental and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2016, 138, 15451-15458.	6.6	153
44	Visible-Light-Mediated Synthesis of Amidyl Radicals: Transition-Metal-Free Hydroamination and <i>N</i> -Arylation Reactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 8092-8095.	6.6	267
45	Effects of Lewis Acids on Photoredox Catalysis. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 397-409.	1.3	26

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46	Visible Light [2+2] Photocycloaddition Mediated by Flavin Derivative Immobilized on Mesoporous Silica. <i>ChemCatChem</i> , 2017, 9, 1177-1181.	1.8	24
47	Erythrosine B Catalyzed Visible-Light Photoredox Arylation-Cyclization of N -alkyl- N -arylamides to 3-(Trifluoromethyl)indolin-2-one Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2112-2117.	1.2	33
48	Visible-Light-Mediated 5 -exo-dig Cyclizations of Amidyl Radicals. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2108-2111.	1.2	49
49	Visible-light assisted one-pot preparation of aryl glyoxals from acetoarylonones via in-situ arylacyl bromides formation: Selenium-free approach to acetoarylonones oxidation. <i>Tetrahedron Letters</i> , 2017, 58, 658-662.	0.7	15
50	Improving the throughput of batch photochemical reactions using flow: Dual photoredox and nickel catalysis in flow for $C(sp^2)$ - $C(sp^3)$ cross-coupling. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6190-6196.	1.4	37
51	Functionalization of C-H Bonds by Photoredox Catalysis. <i>Chemical Record</i> , 2017, 17, 754-774.	2.9	78
52	Photoredox-Catalyzed Reductive Carbamoyl Radical Generation: A Redox-Neutral Intermolecular Addition-Cyclization Approach to Functionalized 3,4-Dihydroquinolin-2-ones. <i>Organic Letters</i> , 2017, 19, 874-877.	2.4	52
53	Diazatetracenes Derived from the Benzannulation of Acetylenes: Electronic Tuning via Substituent Effects and External Stimuli. <i>Journal of Organic Chemistry</i> , 2017, 82, 2004-2010.	1.7	17
54	Oxidative bicyclization of N -tethered 1,7-enynes toward polycyclic 3,4-dihydroquinolin-2(1H)-ones via site-selective decarboxylative $C(sp^3)$ -H functionalization. <i>RSC Advances</i> , 2017, 7, 9693-9703.	1.7	41
55	Photocatalytic esterification under Mitsunobu reaction conditions mediated by flavin and visible light. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1970-1975.	1.5	32
56	Photoredox-Catalyzed Decarboxylative Alkylation of N -heteroarenes with N -(acyloxy)phthalimides. <i>Chemistry - A European Journal</i> , 2017, 23, 2537-2541.	1.7	176
57	Transition-Metal-Catalyzed C -H Alkylation Using Alkenes. <i>Chemical Reviews</i> , 2017, 117, 9333-9403.	23.0	885
58	Steering Asymmetric Lewis Acid Catalysis Exclusively with Octahedral Metal-Centered Chirality. <i>Accounts of Chemical Research</i> , 2017, 50, 320-330.	7.6	256
59	Visible-Light Photoredox-Catalyzed Aminosulfonylation of Diaryliodonium Salts with Sulfur Dioxide and Hydrazines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1308-1319.	2.1	118
60	Light on Unsaturated Hydrocarbons - Gotta Heterofunctionalize Them All! <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2008-2055.	1.2	37
61	Metal-free visible-light-promoted intermolecular [2+2]-cycloaddition of 3-ylideneoxindoles. <i>Tetrahedron</i> , 2017, 73, 1854-1860.	1.0	22
62	The Essential Role of Bond Energetics in C -H Activation/Functionalization. <i>Chemical Reviews</i> , 2017, 117, 8622-8648.	23.0	369
63	General and Efficient C -C Bond Forming Photoredox Catalysis with Semiconductor Quantum Dots. <i>Journal of the American Chemical Society</i> , 2017, 139, 4250-4253.	6.6	194

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64	Cooperation of a Nickel-Bipyridine Complex with Light for Benzylic C-H Arylation of Toluene Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 669-672.	1.3	33
65	Photocascade Catalysis: A New Strategy for Cascade Reactions. <i>ChemPhotoChem</i> , 2017, 1, 148-158.	1.5	127
66	Mild, visible light-mediated decarboxylation of aryl carboxylic acids to access aryl radicals. <i>Chemical Science</i> , 2017, 8, 3618-3622.	3.7	131
67	Hydrogen Atom Transfer (HAT): A Versatile Strategy for Substrate Activation in Photocatalyzed Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2056-2071.	1.2	507
68	Direct Phosphonation of Quinolinones and Coumarins Driven by the Photochemical Activity of Substrates and Products. <i>Organic Letters</i> , 2017, 19, 1394-1397.	2.4	91
69	Mild, Redox-Neutral Alkylation of Imines Enabled by an Organic Photocatalyst. <i>ACS Catalysis</i> , 2017, 7, 1766-1770.	5.5	147
70	Visible light promoted copper-catalyzed Markovnikov hydration of alkynes at room temperature. <i>Tetrahedron Letters</i> , 2017, 58, 1156-1159.	0.7	24
71	Visible-Light-Mediated Oxygenation Reactions using Molecular Oxygen. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 386-396.	1.3	100
72	Direct C-H Cyanation of Arenes via Organic Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 2880-2883.	6.6	187
73	Continuous Flow α -Arylation of <i>N,N</i> -Dialkylhydrazones under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2017, 19, 938-941.	2.4	28
74	Organocatalysis in Inert C-H Bond Functionalization. <i>Chemical Reviews</i> , 2017, 117, 9433-9520.	23.0	578
75	A mild catalytic system for radical conjugate addition of nitrogen heterocycles. <i>Chemical Science</i> , 2017, 8, 3121-3125.	3.7	68
76	A chiral ion-pair photoredox organocatalyst: enantioselective anti-Markovnikov hydroetherification of alkenols. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1037-1041.	2.3	48
77	Synthesis of Alkylated Pyrimidines via Photoinduced Coupling Using Benzophenone as a Mediator. <i>Journal of Organic Chemistry</i> , 2017, 82, 2664-2671.	1.7	32
78	Die anellierende Erweiterung von β -CS-Systemen (APEX-Reaktion): ein rascher Zugang zu kondensierten Arenen, Heteroarenen und Nanographenen. <i>Angewandte Chemie</i> , 2017, 129, 11296-11317.	1.6	65
79	Redox-Neutral Dual Functionalization of Electron-Deficient Alkenes. <i>Chemistry - A European Journal</i> , 2017, 23, 7444-7447.	1.7	41
80	Photocatalytic metal-organic frameworks for organic transformations. <i>CrystEngComm</i> , 2017, 19, 4126-4136.	1.3	116
81	Rh-catalyzed sequential C-H activation and annulation: access to N-fused heterocycles from arylazoles and α -diazocarbonyl compounds. <i>RSC Advances</i> , 2017, 7, 20548-20552.	1.7	35

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82	Lanthanide Ions Coupled with Photoinduced Electron Transfer Generate Strong Reduction Potentials from Visible Light. <i>Chemistry - A European Journal</i> , 2017, 23, 7900-7904.	1.7	41
83	Does a Nitrogen Lone Pair Lead to Two Centered σ -Three Electron ($2c\sigma-3e$) Interactions in Pyridyl Radical Isomers?. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3781-3791.	1.1	9
84	Some aspects of radical cascade and relay reactions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2017, 473, 20160859.	1.0	12
85	Direct C(sp ²) α -H amination of aryl aldehyde-derived hydrazones via visible light promoted photoredox catalysis. <i>RSC Advances</i> , 2017, 7, 25171-25174.	1.7	23
86	Photo-Chromium: Sensitizer for Visible-Light-Induced Oxidative C-H Bond Functionalization Electron or Energy Transfer?. <i>ChemPhotoChem</i> , 2017, 1, 344-349.	1.5	78
87	Visible-Light-Mediated Reactions of Electrophilic Radicals with Vinyl and Allyl Trifluoroborates. <i>ACS Catalysis</i> , 2017, 7, 4126-4130.	5.5	52
88	Visible-Light-Mediated [4+2] Cycloaddition of Styrenes: Synthesis of Tetralin Derivatives. <i>Angewandte Chemie</i> , 2017, 129, 7000-7004.	1.6	25
89	Metal-Free, Visible-Light-Promoted Synthesis of β -Phosphorylated Coumarins via Radical C ³ /C ⁴ Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2773-2777.	2.1	70
90	Iodine/Visible Light Photocatalysis for Activation of Alkynes for Electrophilic Cyclization Reactions. <i>ACS Catalysis</i> , 2017, 7, 4093-4099.	5.5	49
91	Kooperative Licht-aktivierte Iod- und Photoredox-Katalyse zur Aminierung von C-H-Bindungen. <i>Angewandte Chemie</i> , 2017, 129, 8117-8121.	1.6	63
92	Visible-Light Photocatalytic Intramolecular Cyclopropane Ring Expansion. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7826-7830.	7.2	47
93	Cooperative Light-Activated Iodine and Photoredox Catalysis for the Amination of C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8004-8008.	7.2	181
94	Dehydrogenative Transformations of Imines Using a Heterogeneous Photocatalyst. <i>Journal of Organic Chemistry</i> , 2017, 82, 5959-5965.	1.7	13
95	Photo-induced copper-catalyzed C-H chalcogenation of azoles at room temperature. <i>Chemical Communications</i> , 2017, 53, 5906-5909.	2.2	85
96	Visible-Light Photocatalytic Intramolecular Cyclopropane Ring Expansion. <i>Angewandte Chemie</i> , 2017, 129, 7934-7938.	1.6	8
97	Direct Coupling of Naphthalene and Sulfonimides Promoted by DDQ and Blue Light. <i>Chemistry Letters</i> , 2017, 46, 1014-1016.	0.7	19
98	Visible-Light-Induced Regioselective Cyanomethylation of Imidazopyridines and Its Application in Drug Synthesis. <i>Journal of Organic Chemistry</i> , 2017, 82, 5391-5397.	1.7	71
99	Anti-Markovnikov Hydroarylation of Unactivated Olefins via Pyridyl Radical Intermediates. <i>Journal of the American Chemical Society</i> , 2017, 139, 6582-6585.	6.6	92

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100	Visible-Light-Mediated [4+2] Cycloaddition of Styrenes: Synthesis of Tetralin Derivatives. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6896-6900.	7.2	68
101	Merger of Visible-Light Photoredox Catalysis and C-H Activation for the Room-Temperature C-2 Acylation of Indoles in Batch and Flow. <i>ACS Catalysis</i> , 2017, 7, 3818-3823.	5.5	116
102	Metal-free direct alkylation of unfunctionalized allylic/benzylic sp ³ C-H bonds via photoredox induced radical cation deprotonation. <i>Chemical Science</i> , 2017, 8, 4654-4659.	3.7	120
103	Flavin-Mediated Visible-Light [2+2] Photocycloaddition of Nitrogen- and Sulfur-Containing Dienes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2139-2146.	1.2	28
104	Photoredox-Induced Functionalization of Alkenes for the Synthesis of Substituted Imidazolines and Oxazolidines. <i>Journal of Organic Chemistry</i> , 2017, 82, 243-249.	1.7	64
105	Visible-Light-Promoted Generation of Ketoradicals from Vinylbromides and Molecular Oxygen: Synthesis of Indenones and Dihydroindeno[1,2-c]chromenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10928-10932.	7.2	34
106	Selective Photooxidation Reactions using Water-Soluble Anthraquinone Photocatalysts. <i>ChemCatChem</i> , 2017, 9, 3821-3826.	1.8	59
107	Bildung von Ketoradikalen aus Vinylbromiden und molekularem Sauerstoff mit sichtbarem Licht: Synthese von Indenonen und Dihydroindeno[1,2-c]chromenen. <i>Angewandte Chemie</i> , 2017, 129, 11068-11072.	1.6	10
108	Photochemical Generation of Nitrogen-Centered Amidyl, Hydrazonyl, and Imidyl Radicals: Methodology Developments and Catalytic Applications. <i>ACS Catalysis</i> , 2017, 7, 4999-5022.	5.5	334
109	Visible-light-induced selective synthesis of sulfoxides from alkenes and thiols using air as the oxidant. <i>Green Chemistry</i> , 2017, 19, 3520-3524.	4.6	116
110	Visible-light mediated directed perfluoroalkylation of hydrazones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6014-6023.	1.5	23
111	A General Small-Scale Reactor To Enable Standardization and Acceleration of Photocatalytic Reactions. <i>ACS Central Science</i> , 2017, 3, 647-653.	5.3	195
112	Photoinduced difunctionalization of 2,3-dihydrofuran for the efficient synthesis of 2,3-disubstituted tetrahydrofurans. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1640-1646.	2.3	11
113	Metal-free visible light driven synthesis of tetrahydroquinoline derivatives utilizing Rose Bengal. <i>Tetrahedron</i> , 2017, 73, 4627-4633.	1.0	27
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115	Asymmetric radical alkylation of N-sulfinimines under visible light photocatalytic conditions. <i>Chemical Communications</i> , 2017, 53, 7764-7767.	2.2	50
116	Mechanistic Study of Sml ₂ /H ₂ O and Sml ₂ /Amine/H ₂ O-Promoted Chemoselective Reduction of Aromatic Amides (Primary, Secondary, Tertiary) to Alcohols via Aminoketyl Radicals. <i>Journal of Organic Chemistry</i> , 2017, 82, 6528-6540.	1.7	33
117	Photoinduced Oxidative Formylation of N,N-Dimethylanilines with Molecular Oxygen without External Photocatalyst. <i>Organic Letters</i> , 2017, 19, 3386-3389.	2.4	88

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118	Photocatalytic Hydrazone Radical-Mediated Radical Cyclization/Allylation Cascade: Synthesis of Dihydropyrazoles and Tetrahydropyridazines. <i>Organic Letters</i> , 2017, 19, 3620-3623.	2.4	93
119	Super-Reducing Photocatalysis: Consecutive Energy and Electron Transfers with Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10280-10281.	7.2	27
120	Photoredox-catalyzed procedure for carbamoyl radical generation: 3,4-dihydroquinolin-2-one and quinolin-2-one synthesis. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5831-5845.	1.5	43
121	Synthesis and Photophysical Characterization of Cyclometalated Ruthenium Complexes with N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2017, 36, 2397-2403.	1.1	24
122	A General Copper Catalyst for Photoredox Transformations of Organic Halides. <i>Organic Letters</i> , 2017, 19, 3576-3579.	2.4	125
123	Redesign of a Pyrylium Photoredox Catalyst and Its Application to the Generation of Carbonyl Ylides. <i>Organic Letters</i> , 2017, 19, 2989-2992.	2.4	66
124	Exploring the Reducing Ability of Organic Dye (Acridine-Mes) for Fluorination and Oxidation of Benzylic C(sp ³)-H Bonds under Visible Light Irradiation. <i>Organic Letters</i> , 2017, 19, 3009-3012.	2.4	85
125	Sensitization-Initiated Electron Transfer for Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8544-8549.	7.2	198
126	A Conjugated Microporous Polymer for Palladium-Free, Visible Light-Promoted Photocatalytic Stille-Type Coupling Reactions. <i>Advanced Science</i> , 2017, 4, 1700101.	5.6	51
127	Photoredoxkatalyse durch sensibilisierten Elektronentransfer. <i>Angewandte Chemie</i> , 2017, 129, 8664-8669.	1.6	63
128	Visible Light Promoted Synthesis of Indoles by Single Photosensitizer under Aerobic Conditions. <i>Organic Letters</i> , 2017, 19, 3251-3254.	2.4	53
129	A photoinduced reaction of perfluoroalkyl halides with 1,3-diarylprop-2-yn-1-ones catalyzed by DABSO. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1745-1750.	2.3	21
130	Direct O ₂ optical excitation: A tool for redox biology. <i>Redox Biology</i> , 2017, 13, 39-59.	3.9	64
131	The Hitchhiker's Guide to Flow Chemistry. <i>Chemical Reviews</i> , 2017, 117, 11796-11893.	23.0	1,410
132	Visible-Light-Mediated Thiolene Reactions through Organic Photoredox Catalysis. <i>Organic Letters</i> , 2017, 19, 3291-3294.	2.4	75
133	Polymer-Supported Photosensitizers for Oxidative Organic Transformations in Flow and under Visible Light Irradiation. <i>ACS Catalysis</i> , 2017, 7, 4602-4612.	5.5	70
134	Rapid and facile chemical actinometric protocol for photo-microfluidic systems using azobenzene and NMR spectroscopy. <i>RSC Advances</i> , 2017, 7, 29815-29820.	1.7	17
135	Enzyme and photoredox sequential catalysis for the synthesis of 1,3-oxazine derivatives in one pot. <i>Catalysis Science and Technology</i> , 2017, 7, 1937-1942.	2.1	23

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136	Organocatalyzed Atom Transfer Radical Polymerization: Perspectives on Catalyst Design and Performance. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700040.	2.0	121
137	A unified strategy for silver-, base-, and oxidant-free direct arylation of C-H bonds. <i>Green Chemistry</i> , 2017, 19, 2111-2117.	4.6	36
138	Organocatalysis and Biocatalysis Hand in Hand: Combining Catalysts in One-Pot Procedures. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2026-2049.	2.1	49
139	Extended Study of Visible-Light-Induced Photocatalytic [4 + 2] Benzannulation: Synthesis of Polycyclic (Hetero)Aromatics. <i>Journal of Organic Chemistry</i> , 2017, 82, 4369-4378.	1.7	34
140	Direct C-H Phosphonylation of Electron-Rich Arenes and Heteroarenes by Visible-Light Photoredox Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 12120-12124.	1.7	63
141	Visible light-induced tandem oxidative cyclization of 2-alkynylanilines with disulfides (diselenides) to 3-sulphenyl- and 3-selenylindoles under transition metal-free and photocatalyst-free conditions. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1322-1330.	2.3	65
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411	A Visible-Light-Driven Iminyl Radical-Mediated C ^α -C Single Bond Cleavage/Radical Addition Cascade of Oxime Esters. <i>Angewandte Chemie</i> , 2018, 130, 746-751.	1.6	48
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820	Cascade Functionalization of C(sp ³)-Br/C(sp ²)-H Bonds: Access to Fused Benzo[<i>e</i>]isoindole-1,3,5-trione via Visible-Light-Induced Reductive Radical Relay Strategy. <i>Organic Letters</i> , 2019, 21, 6270-6274.	2.4	22
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823	Photochemical Hydroacylation of Michael Acceptors Utilizing an Aldehyde as Photoinitiator. <i>ChemSusChem</i> , 2019, 12, 4194-4201.	3.6	29
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1094	Photochemical, Metal-Free Sigmatropic Rearrangement Reactions of Sulfur Ylides. <i>Chemistry - A European Journal</i> , 2019, 25, 6703-6706.	1.7	64
1095	A BODIPY-functionalized Pd ^{II} photoredox catalyst for Sonogashira C-C cross-coupling reactions. <i>Chemical Communications</i> , 2019, 55, 4973-4976.	2.2	28
1096	Photocatalytic decarboxylative alkylations mediated by triphenylphosphine and sodium iodide. <i>Science</i> , 2019, 363, 1429-1434.	6.0	520
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1098	Substitution Pattern-Selective Olefin Cross-Couplings. <i>ChemElectroChem</i> , 2019, 6, 4165-4168.	1.7	10
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1131	Synthesis of 2-sulfenylindenones by visible-light-mediated addition of sulfur-centered radicals to 1,3-diarylpropynones. <i>Synthetic Communications</i> , 2019, 49, 869-877.	1.1	7
1132	Bond-Selected Photodissociation of Single Molecules Adsorbed on Metal Surfaces. <i>Physical Review Letters</i> , 2019, 122, 077401.	2.9	15
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1143	Mixed <i>er</i> -NHC/phosphine Pd(<i>sc</i>) complexes and their catalytic activity in the Buchwald-Hartwig reaction under solvent-free conditions. <i>Dalton Transactions</i> , 2019, 48, 3447-3452.	1.6	31
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1147	Mitochondria targeted and NADH triggered photodynamic activity of chloromethyl modified Ru(<i>sc</i>) complexes under hypoxic conditions. <i>Chemical Communications</i> , 2019, 55, 2676-2679.	2.2	43
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1149	Alkoxy radicals generation: facile photocatalytic reduction of <i>N</i> -alkoxyazinium or azolium salts. <i>Chemical Communications</i> , 2019, 55, 3029-3032.	2.2	48
1150	Metal-free desilylative C=C bond formation by visible-light photoredox catalysis. <i>Chemical Communications</i> , 2019, 55, 2980-2983.	2.2	29
1151	Catalytic radical difluoromethoxylation of arenes and heteroarenes. <i>Chemical Science</i> , 2019, 10, 3217-3222.	3.7	43
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1163	Intramolecular Reductive Cyclization of <i>o</i> -Nitroarenes via Biradical Recombination. <i>Organic Letters</i> , 2019, 21, 1438-1443.	2.4	39
1164	Photoredox-catalyzed cascade annulation of <i>N</i> -propargylindoles with sulfonyl chlorides: access to 2-sulfonated 9 <i>H</i> -pyrrolo[1,2- <i>a</i>]indoles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2873-2876.	1.5	26
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1174	Visible-light-promoted hydroxysulfonylation of alkylidenecyclopropanes: synthesis of cyclopropane-containing $\hat{\text{I}}^2$ -hydroxysulfones. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3944-3949.	2.3	15

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1178	Visible light induced redox neutral fragmentation of 1,2-diol derivatives. <i>Chemical Communications</i> , 2019, 55, 13144-13147.	2.2	29
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1187	Photoswitchable Regiodivergent Azidation of Olefins with Sulfonium Iodate(I) Reagent. <i>Organic Letters</i> , 2019, 21, 9990-9994.	2.4	20
1188	Access to Functionalized <i>E</i> -Allylsilanes and <i>E</i> -Alkenylsilanes through Visible-Light-Driven Radical Hydrosilylation of Mono- and Disubstituted Allenes. <i>Organic Letters</i> , 2019, 21, 9836-9840.	2.4	31
1189	Organophotocatalytic Arene Functionalization: C-C and C-B Bond Formation. <i>Organic Letters</i> , 2019, 21, 9950-9953.	2.4	21
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1194	Catalytic Generation and Use of Ketyl Radical from Unactivated Aliphatic Carbonyl Compounds. <i>Organic Letters</i> , 2019, 21, 10159-10163.	2.4	31
1195	Photocatalytic Difluoromethylation Reactions of Aromatic Compounds and Aliphatic Multiple C=C Bonds. <i>Molecules</i> , 2019, 24, 4483.	1.7	23
1196	Practical C=P bond formation via heterogeneous photoredox and nickel synergetic catalysis. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1841-1846.	6.9	12
1197	Visible light-driven cross-coupling reactions of alkyl halides with phenylacetylene derivatives for C(sp ³)-C(sp) bond formation catalyzed by a B ₁₂ complex. <i>Chemical Communications</i> , 2019, 55, 13070-13073.	2.2	33
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1205	Combining Flavin Photocatalysis and Organocatalysis: Metal-Free Aerobic Oxidation of Unactivated Benzylic Substrates. <i>Organic Letters</i> , 2019, 21, 114-119.	2.4	79
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1223	New Roles for Photoexcited Eosin-Y in Photochemical Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 378-380.	7.2	125
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1232	Carbonylation of Alkyl Radicals Derived from Organosilicates through Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1789-1793.	7.2	68
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1370	Metal-Free Difluoromethylselenolation of Arylamines Under Visible-Light Photocatalysis. <i>Journal of Organic Chemistry</i> , 2020, 85, 1224-1231.	1.7	27
1371	Dialkylation of 1,3-Dienes by Dual Photoredox and Chromium Catalysis. <i>ACS Catalysis</i> , 2020, 10, 1621-1627.	5.5	116
1372	Visible-Light-Induced Selective Defluoroborylation of Polyfluoroarenes, gem-Difluoroalkenes, and Trifluoromethylalkenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4009-4016.	7.2	146
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1383	Organo Photoinduced Decarboxylative Alkylation of Coumarins with <i>N</i> -(Acyloxy)phthalimide. <i>Journal of Organic Chemistry</i> , 2020, 85, 1193-1201.	1.7	38
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1434	Enantioselective Remote C(sp ³)–H Cyanation via Dual Photoredox and Copper Catalysis. <i>Organic Letters</i> , 2020, 22, 5910-5914.	2.4	54
1435	Dithioacetalization or thioetherification of benzyl alcohols using 9-mesityl-10-methylacridinium perchlorate photocatalyst. <i>Chemical Communications</i> , 2020, 56, 10211-10214.	2.2	19
1436	Selectivity control in thiol–yne click reactions <i>via</i> visible light induced associative electron upconversion. <i>Chemical Science</i> , 2020, 11, 10061-10070.	3.7	47
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1449	Acid Catalysis via Acid-Promoted Electron Transfer. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 1217-1232.	1.0	28
1450	Eosin Y-Catalyzed Synthesis of 3-Aminoimidazo[1,2- <i>a</i>]pyridines via the HAT Process under Visible Light through Formation of the C-N Bond. <i>ACS Omega</i> , 2020, 5, 29854-29863.	1.6	30
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1467	Visible-Light Photoredox-Catalyzed Remote Difunctionalizing Carboxylation of Unactivated Alkenes with CO ₂ . <i>Angewandte Chemie</i> , 2020, 132, 21307-21314.	1.6	21
1468	Radical-Cation Cascade to Aryltetralin Cyclic Ether Lignans Under Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 21381-21388.	1.6	2
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1487	Visible light-induced photocatalytic C-H ethoxycarbonylmethylation of imidazoheterocycles with ethyl diazoacetate. <i>RSC Advances</i> , 2020, 10, 27984-27988.	1.7	20
1488	Activity-Directed Synthesis: A Flexible Approach for Lead Generation. <i>ChemMedChem</i> , 2020, 15, 1776-1782.	1.6	3
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1500	Development of Brønsted Base-Photocatalyst Hybrid Systems for Highly Efficient C-C Bond Formation Reactions of Malonates with Styrenes. <i>ACS Catalysis</i> , 2020, 10, 10546-10550.	5.5	27

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1503	Visible-Light-Induced Phosphorylation of Imidazo-Fused Heterocycles under Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2020, 85, 14744-14752.	1.7	29
1504	Photocatalytic Decarboxylative [2 + 2 + <i>m</i>] Cyclization of 1,7-Enynes Mediated by Tricyclohexylphosphine and Potassium Iodide. <i>Organic Letters</i> , 2020, 22, 8819-8823.	2.4	48
1505	Enhanced intersystem crossing of boron dipyrromethene by TEMPO radical. <i>Journal of Chemical Physics</i> , 2020, 153, 154201.	1.2	6
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1514	Visible-Light-Mediated C-H Alkylation of Pyridine Derivatives. <i>Organic Letters</i> , 2020, 22, 7671-7675.	2.4	46
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1523	Single-Electron Transfer in Frustrated Lewis Pair Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22210-22216.	7.2	51
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1525	Engineering the Charge-Transfer State to Facilitate Spin-Orbit Charge Transfer Intersystem Crossing in Spirobis[anthracene]diones. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22179-22184.	7.2	44
1526	Lewis Acid/Hexafluoroisopropanol: A Promoter System for Selective <i>ortho</i> -C-Alkylation of Anilines with Deactivated Styrene Derivatives and Unactivated Alkenes. <i>ACS Catalysis</i> , 2020, 10, 10794-10802.	5.5	63
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1528	Recent advances in cobalt-catalyzed allylic functionalization. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7740-7750.	1.5	28
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1530	Radical-Mediated Non-Dearomative Strategies in Construction of Spiro Compounds. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4462-4486.	2.1	27
1531	Single-Electron Transfer in Frustrated Lewis Pair Chemistry. <i>Angewandte Chemie</i> , 2020, 132, 22394-22400.	1.6	11
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1533	Photocatalyzed allylic derivatization reactions. <i>Catalysis Science and Technology</i> , 2020, 10, 6754-6768.	2.1	5
1534	Visible light promoted cross-dehydrogenative coupling: a decade update. <i>Green Chemistry</i> , 2020, 22, 6632-6681.	4.6	132
1535	Visible-Light-Induced Cysteine-Specific Bioconjugation: Biocompatible Thiol-Ene Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22514-22522.	7.2	42
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1544	Transition-Metal-Free and Visible-Light-Mediated Desulfonation and Dehalogenation Reactions: Hantzsch Ester Anion as Electron and Hydrogen Atom Donor. <i>Journal of Organic Chemistry</i> , 2020, 85, 13481-13494.	1.7	28
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1550	A sodium trifluoromethanesulfinate-mediated photocatalytic strategy for aerobic oxidation of alcohols. <i>Chemical Communications</i> , 2020, 56, 12443-12446.	2.2	25
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1553	Visible Light-Driven α -Alkylation of <i>N</i> -Aryl tetrahydroisoquinolines Initiated by Electron Donor-Acceptor Complexes. <i>Organic Letters</i> , 2020, 22, 7290-7294.	2.4	32
1554	The Different Faces of [Ru(bpy) ₃ Cl ₂] and <i>fac</i> -[Ir(ppy) ₃] Photocatalysts: Redox Potential Controlled Synthesis of Sulfonylated Fluorenes and Pyrroloindoles from Unactivated Olefins and Sulfonyl Chlorides. <i>Organic Letters</i> , 2020, 22, 7853-7858.	2.4	26

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1557	Photocatalytic Generation of Aminium Radical Cations for C-N Bond Formation. <i>ACS Catalysis</i> , 2020, 10, 11712-11738.	5.5	93
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1559	Spin multiplicity effects in doublet versus singlet emission: the photophysical consequences of a single electron. <i>Chemical Science</i> , 2020, 11, 10212-10219.	3.7	14
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1567	Perspectives on Dye Sensitization of Nanocrystalline Mesoporous Thin Films. <i>Journal of the American Chemical Society</i> , 2020, 142, 16099-16116.	6.6	21
1568	Visible light-mediated Smiles rearrangements and annulations of non-activated aromatics. <i>Chemical Communications</i> , 2020, 56, 11445-11448.	2.2	20
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1578	Oxidative Hydroxylation of Aryl Boronic Acid Catalyzed by Co-porphyrin Complexes via Blue-Light Irradiation. <i>Catalysts</i> , 2020, 10, 1262.	1.6	13
1579	Synthesis of 1,2-Amino Alcohols by Photoredox-Mediated Decarboxylative Coupling of α -Amino Acids and DNA-Conjugated Carbonyls. <i>Organic Letters</i> , 2020, 22, 9484-9489.	2.4	30
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1581	Recent applications of Rose Bengal catalysis in N-heterocycles: a short review. <i>RSC Advances</i> , 2020, 10, 39495-39508.	1.7	56
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1585	Lateral Size Dependence in FRET between Semiconductor Nanoplatelets and Conjugated Fluorophores. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25028-25037.	1.5	7
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1587	Hydrosulfonylation of Alkenes with Sulfonyl Chlorides under Visible Light Activation. <i>Angewandte Chemie</i> , 2020, 132, 11717-11723.	1.6	24
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1594	Recent Progress in Engineering Metal Halide Perovskites for Efficient Visible-Light-Driven Photocatalysis. <i>ChemSusChem</i> , 2020, 13, 4005-4025.	3.6	79
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1596	Flow Photochemistry as a Tool in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, 16952-16974.	1.7	77
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1598	Decarboxylative Hydroalkylation of Alkynes via Dual Copper-Photoredox Catalysis. <i>ACS Catalysis</i> , 2020, 10, 6402-6408.	5.5	33
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1605	Recent applications of biphotonic processes in organic synthesis. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1709-1716.	2.3	30
1606	Computational Analysis of Electron Transfer Kinetics for CO ₂ Reduction with Organic Photoredox Catalysts. <i>Journal of Physical Chemistry A</i> , 2020, 124, 5359-5368.	1.1	14
1607	Photochemical synthesis of acetals utilizing Schreiner's thiourea as the catalyst. <i>Green Chemistry</i> , 2020, 22, 3539-3545.	4.6	34
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1610	Beyond Ammonia: Nitrogen-Element Bond Forming Reactions with Coordinated Dinitrogen. <i>Chemical Reviews</i> , 2020, 120, 5637-5681.	23.0	154
1611	Configuration mixing upon reorganization of dihedral angle induces rapid intersystem crossing in organic photoredox catalyst. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13292-13298.	1.3	5
1612	Synthesis of new fluorescent pyrylium dyes and study of their interaction with <i>N</i> -protected amino acids. <i>New Journal of Chemistry</i> , 2020, 44, 9509-9521.	1.4	7
1613	3d metallaelectrocatalysis for resource economical syntheses. <i>Chemical Society Reviews</i> , 2020, 49, 4254-4272.	18.7	150
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1622	Redox Potential Controlled Selective Oxidation of Styrenes for Regio- and Stereoselective Crossed Intermolecular [2 + 2] Cycloaddition <i>via</i> Organophotoredox Catalysis. <i>Organic Letters</i> , 2020, 22, 5207-5211.	2.4	21
1623	Direct C-H Arylation of Aldehydes by Merging Photocatalyzed Hydrogen Atom Transfer with Palladium Catalysis. <i>ACS Catalysis</i> , 2020, 10, 7543-7551.	5.5	80
1624	Design and Evaluation of Artificial Hybrid Photoredox Biocatalysts. <i>ChemBioChem</i> , 2020, 21, 3146-3150.	1.3	10
1625	Nickel-Catalyzed Sonogashira C(sp) ² -C(sp ²) Coupling through Visible-Light Sensitization. <i>Journal of Organic Chemistry</i> , 2020, 85, 9201-9212.	1.7	46
1626	Oxidative Amidation of Amines in Tandem with Transamidation: A Route to Amides Using Visible-Light Energy. <i>Journal of Organic Chemistry</i> , 2020, 85, 9219-9229.	1.7	28

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1628	Surface-Plasmonic-Field-Induced Photoredox Catalysis and Mediated Electron Transfer for Washing-Free DNA Detection. <i>Angewandte Chemie</i> , 2020, 132, 19364-19370.	1.6	0
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1756	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
1757	Visible light initiated amino group <i>ortho</i> -directed copper(<i>sc</i>)-catalysed aerobic oxidative C(sp) ³ –S coupling reaction: synthesis of substituted 2-phenylbenzothiazoles <i>via</i> thia-Wolff rearrangement. <i>Chemical Communications</i> , 2020, 56, 3781-3784.	2.2	28
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1768	Photoredox-Mediated Net-Neutral Radical/Polar Crossover Reactions. <i>Israel Journal of Chemistry</i> , 2020, 60, 281-293.	1.0	108
1769	Deprotonated Salicylaldehyde as Visible Light Photocatalyst. <i>Journal of Organic Chemistry</i> , 2020, 85, 4386-4397.	1.7	19
1770	Visible-light induced disproportionation of pyrrole derivatives for photocatalyst-free aryl halides reduction. <i>Green Chemistry</i> , 2020, 22, 1911-1918.	4.6	24

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1772	Protocol for Visible-Light-Promoted Desulfonylation Reactions Utilizing Catalytic Benzimidazolium Aryloxide Betaines and Stoichiometric Hydride Donor Reagents. <i>Journal of Organic Chemistry</i> , 2020, 85, 4344-4353.	1.7	24
1773	Photoredox Catalyst Free, Visible Light-Promoted C ³ H Acylation of Quinoxalin-2(1 <i>H</i>)-ones in Water. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2178-2182.	2.1	76
1774	Frontiers in Radical Fluoromethylation by Visible-Light Organic Photocatalysis. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 529-537.	1.3	36
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1823	The Fascinating Chemistry of α -Haloamides. <i>ChemistryOpen</i> , 2020, 9, 100-170.	0.9	30
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1831	Photoredox Catalysis: The Reaction Mechanism Can Adjust to Electronic Properties of a Catalyst. <i>ACS Catalysis</i> , 2020, 10, 5920-5927.	5.5	18
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1874	A Rational Approach to Organo-Photocatalysis: Novel Designs and Structure-Property Relationships. <i>Angewandte Chemie</i> , 2021, 133, 1096-1111.	1.6	32
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1876	Metal-free Photochemical Atom Transfer Radical Addition (ATRA) of BrCCl ₃ to Alkenes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 96-101.	1.2	15
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1889	Recent advances in synthesis of organosilicons via radical strategies. <i>Chinese Chemical Letters</i> , 2021, 32, 1280-1292.	4.8	56
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1897	Light-Driven Enantioselective Synthesis of Pyrroline Derivatives by a Radical/Polar Cascade Reaction. <i>Angewandte Chemie</i> , 2021, 133, 4605-4610.	1.6	0

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1904	Chitosan-based fluorescein isothiocyanate film as a highly efficient <i>metal-free</i> photocatalyst for <i>solar-light-mediated</i> direct <i>C-H</i> arylation. <i>International Journal of Energy Research</i> , 2021, 45, 5964-5973.	2.2	4
1905	Radical Addition Enables 1,2-Aryl Migration from a Vinyl-Substituted All-Carbon Quaternary Center. <i>Angewandte Chemie</i> , 2021, 133, 188-192.	1.6	5
1906	Selective 1,2-Aminoisothiocyanation of 1,3-Dienes Under Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 4131-4135.	1.6	2
1907	The xanthate route to lactams. <i>Tetrahedron</i> , 2021, 79, 131852.	1.0	4
1908	Consistent inclusion of continuum solvation in energy decomposition analysis: theory and application to molecular CO ₂ reduction catalysts. <i>Chemical Science</i> , 2021, 12, 1398-1414.	3.7	41
1909	Catalytic Photoredox Allylation of Aldehydes Promoted by a Cobalt Complex. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1105-1111.	2.1	27
1910	Visible-Light Photoredox-Catalyzed Tandem Trifluoromethylation/Cyclization/Remote Oxidation of 1,6-Dienes: Access to CF ₃ -Containing Five-Membered Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 751-756.	2.1	13
1911	Visible-light induced divergent dearomatization of indole derivatives: controlled access to cyclobutane-fused polycycles and 2-substituted indolines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 319-325.	2.3	27
1912	In silico prediction of annihilators for triplet-triplet annihilation upconversion via auxiliary-field quantum Monte Carlo. <i>Chemical Science</i> , 2021, 12, 1068-1079.	3.7	7
1913	Scandium(III) Triflate-Catalyzed Reaction of Aryl-Substituted Donor-Acceptor Cyclopropanes with 1-Naphthylamines: Access to Dibenzo[<i>c,h</i>]acridines. <i>Journal of Organic Chemistry</i> , 2021, 86, 1172-1177.	1.7	6
1914	Cerium-quinone redox couples put under scrutiny. <i>Chemical Science</i> , 2021, 12, 1343-1351.	3.7	9
1915	Photocatalytic Annulation-Carbohalogenation of 1,7-Enynes for Atom-Economic Synthesis of Functionalized 3,4-Dihydronaphthalen-1(2H)-ones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 838-845.	2.1	9

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1916	Coal-Tar Dye-based Coordination Cages and Helicates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5673-5678.	7.2	46
1917	Photogenerated electrophilic radicals for the umpolung of enolate chemistry. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2021, 46, 100387.	5.6	13
1918	Photocatalytic methods for amino acid modification. <i>Chemical Society Reviews</i> , 2021, 50, 39-57.	18.7	93
1919	Light-Driven Enantioselective Synthesis of Pyrroline Derivatives by a Radical/Polar Cascade Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4555-4560.	7.2	15
1920	Nucleophilic Alkoxylation of Unactivated Alkyl Olefins and <i>tert</i> -Methyl Styrene by Photoredox Catalysis. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 773-776.	1.2	7
1921	Applications of reticular diversity in metal-organic frameworks: An ever-evolving state of the art. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213655.	9.5	56
1922	Visible-Light-Promoted Polysubstituted Olefins Synthesis Involving Sulfur Ylides as Carbene Trapping Reagents. <i>Journal of Organic Chemistry</i> , 2021, 86, 1012-1022.	1.7	36
1923	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
1924	Organic photoredox catalyzed C-H silylation of quinoxalinones or electron-deficient heteroarenes under ambient air conditions. <i>Green Chemistry</i> , 2021, 23, 314-319.	4.6	62
1925	Photochemical metal-free aerobic oxidation of thiols to disulfides. <i>Green Chemistry</i> , 2021, 23, 546-551.	4.6	58
1926	Three-component three-bond forming cascade <i>via</i> palladium photoredox catalysis. <i>Chemical Science</i> , 2021, 12, 1810-1817.	3.7	61
1927	Transfer hydrogenation catalysis in cells. <i>RSC Chemical Biology</i> , 2021, 2, 12-29.	2.0	50
1928	Photocatalyzed Transition-Metal-Free Oxidative Cross-Coupling Reactions of Tetraorganoborates**. <i>Chemistry - A European Journal</i> , 2021, 27, 4322-4326.	1.7	14
1929	An aerogel-based photocatalytic microreactor driven by light guiding for degradation of toxic pollutants. <i>Chemical Engineering Journal</i> , 2021, 409, 128108.	6.6	9
1930	Photocatalytic Carbonylation Strategies: A Recent Trend in Organic Synthesis. <i>Journal of Organic Chemistry</i> , 2021, 86, 24-48.	1.7	52
1931	Dual-Role Catalysis by Thiobenzoic Acid in C-H Arylation under Photoirradiation. <i>ACS Catalysis</i> , 2021, 11, 82-87.	5.5	41
1932	Contemporary methods for generation of aryl radicals. <i>Chemical Society Reviews</i> , 2021, 50, 2244-2259.	18.7	96
1933	Visible-light-induced denitrogenative phosphorylation of benzotriazinones: a metal- and additive-free method for accessing <i>ortho</i> -phosphorylated benzamide derivatives. <i>Green Chemistry</i> , 2021, 23, 296-301.	4.6	21

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1934	Shining Light on the Light-Bearing Element: A Brief Review of Photomediated C-H Phosphorylation Reactions. <i>Synthesis</i> , 2021, 53, 1003-1022.	1.2	32
1935	Development and Proof of Concept for a Large-Scale Photoredox Additive-Free Minisci Reaction. <i>Organic Process Research and Development</i> , 2021, 25, 57-67.	1.3	36
1936	Olefin-Supported Cationic Copper Catalysts for Photochemical Synthesis of Structurally Complex Cyclobutanes. <i>Angewandte Chemie</i> , 2021, 133, 4035-4039.	1.6	2
1937	Teerfarben-basierte KoordinationskÄfuge und -helikate. <i>Angewandte Chemie</i> , 2021, 133, 5736-5741.	1.6	12
1938	Bandgap engineering in benzotrithiophene-based conjugated microporous polymers: a strategy for screening metal-free heterogeneous photocatalysts. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3333-3340.	5.2	50
1939	Synthesis of Spirocyclic Piperidines by Radical Hydroarylation. <i>Synlett</i> , 2021, 32, 211-214.	1.0	4
1940	Highly Efficient Iridium-Based Photosensitizers for Thia-Patern-BÄchi Reaction and Aza-Photocyclization. <i>ACS Catalysis</i> , 2021, 11, 446-455.	5.5	33
1941	Plasmalogen Biosynthesis by Anaerobic Bacteria: Identification of a Two-Gene Operon Responsible for Plasmalogen Production in <i>Clostridium perfringens</i> . <i>ACS Chemical Biology</i> , 2021, 16, 6-13.	1.6	36
1942	Beyond C ₃ N ₄ -conjugated metal-free polymeric semiconductors for photocatalytic chemical transformations. <i>Chemical Society Reviews</i> , 2021, 50, 2147-2172.	18.7	118
1943	Metal-free visible-light-induced photoredox-catalyzed intermolecular pyridylation/phosphinoylation of alkenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 901-907.	2.3	23
1944	Visible light photocatalysis in the late-stage functionalization of pharmaceutically relevant compounds. <i>Chemical Society Reviews</i> , 2021, 50, 766-897.	18.7	227
1945	Polysulfide Anions as Visible Light Photoredox Catalysts for Aryl Cross-Couplings. <i>Journal of the American Chemical Society</i> , 2021, 143, 481-487.	6.6	63
1946	Visible-light-induced metal-free cascade cyclization of <i>N</i> -arylpropiolamides to 3-phosphorylated, trifluoromethylated and thiocyanated azaspiro[4.5]trienones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 760-766.	2.3	50
1947	Photocatalysis in Dual Catalysis Systems for Carbon-Nitrogen Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 937-979.	2.1	48
1948	Synthesis of Glycosyl Fluorides by Photochemical Fluorination with Sulfur(VI) Hexafluoride. <i>Organic Letters</i> , 2021, 23, 190-194.	2.4	33
1949	3D-Non-destructive Imaging through Heavy-Metal Eosin Salt Contrast Agents. <i>Chemistry - A European Journal</i> , 2021, 27, 4561-4566.	1.7	7
1950	Photochemical Reaction of <i>N,N</i> -Dimethylanilines with <i>N</i> -Substituted Maleimides Utilizing Benzaldehyde as the Photoinitiator. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1168-1173.	1.2	14
1951	Visible-light-induced photoredox-catalyzed synthesis of benzimidazo[2,1-a]iso-quinoline-6(5H)-ones. <i>Chinese Chemical Letters</i> , 2021, 32, 1229-1232.	4.8	64

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1952	Cooperative photoredox and palladium catalysis: recent advances in various functionalization reactions. <i>Catalysis Science and Technology</i> , 2021, 11, 742-767.	2.1	30
1953	Fabrication of Graphitic Carbon ^N-Nitride-Based Film: An Emerged Highly Efficient Catalyst for Direct C-H Arylation under Solar Light. <i>Chinese Journal of Chemistry</i> , 2021, 39, 633-639.	2.6	17
1954	Modular Tandem Mizoroki-Heck/Reductive Heck Reactions to Construct Fluorenes from Cyclic Diaryliodoniums. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 222-226.	2.1	8
1955	Recent Advances in Asymmetric Organomulticatalysis. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 352-387.	2.1	37
1956	Multi-Photocatalyst Cascades: Merging Singlet Oxygen Photooxygenations with Photoredox Catalysis for the Synthesis of Alkaloid Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 4381-4387.	1.6	4
1957	Multi-Photocatalyst Cascades: Merging Singlet Oxygen Photooxygenations with Photoredox Catalysis for the Synthesis of Alkaloid Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4335-4341.	7.2	11
1958	Progress in Visible Light-Induced Difluoroalkylation of Olefins. <i>Chemical Record</i> , 2021, 21, 69-86.	2.9	27
1959	Frustrated Radical Pairs: Insights from EPR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 53-65.	7.2	45
1960	A Facile Synthesis of Functionalized Benzofurans via Visible-Light-Induced Tandem Cyclization of 1,6-Dienynes with Disulfides. <i>ChemPhotoChem</i> , 2021, 5, 142-148.	1.5	11
1961	Photoinduced Aerobic Iodoarene-Catalyzed Spirocyclization of <i>N</i> -Oxyamides to <i>N</i> -Fused Spirolactams**. <i>Angewandte Chemie</i> , 2021, 133, 173-177.	1.6	6
1962	Photoinduced Aerobic Iodoarene-Catalyzed Spirocyclization of <i>N</i> -Oxyamides to <i>N</i> -Fused Spirolactams**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 171-175.	7.2	20
1963	A Water-Soluble Iridium Photocatalyst for Chemical Modification of Dehydroalanines in Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2021, 27, 1430-1437.	1.7	24
1964	Radical Addition Enables 1,2-Aryl Migration from a Vinyl-Substituted All-Carbon Quaternary Center. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 186-190.	7.2	42
1965	C(sp ²)-H functionalization in non-aromatic azomethine-based heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 297-312.	1.5	19
1966	Oligosilanes as Silyl Radical Precursors through Oxidative Si-Si Bond Cleavage Using Redox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 675-679.	7.2	50
1967	Utilization of CO ₂ Feedstock for Organic Synthesis by Visible-Light Photoredox Catalysis. <i>Chemistry - A European Journal</i> , 2021, 27, 2254-2269.	1.7	39
1968	Photochemical Methods for Peptide Macrocyclisation. <i>Chemistry - A European Journal</i> , 2021, 27, 69-88.	1.7	22
1969	Organic Superbases in Recent Synthetic Methodology Research. <i>Chemistry - A European Journal</i> , 2021, 27, 4216-4229.	1.7	65

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1970	Fragmentverknüpfungen in der Totalsynthese – Bildung von C–C-Bindungen über intermediäre Carbanionen oder freie Radikale. <i>Angewandte Chemie</i> , 2021, 133, 1132-1167.	1.6	5
1971	Fragment Coupling Reactions in Total Synthesis That Form Carbon–Carbon Bonds via Carbanionic or Free Radical Intermediates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1116-1150.	7.2	32
1972	Simple generation of various α -monofluoroalkyl radicals by organic photoredox catalysis: modular synthesis of β -monofluoroketones. <i>Chemical Communications</i> , 2021, 57, 2609-2612.	2.2	15
1974	Unexpected Metal-Free Dehydrogenation of a β -Ketoester to a Phenol Using a Recyclable Oxoammonium Salt. <i>MolBank</i> , 2021, 2021, M1180.	0.2	6
1975	Visible-light-mediated organoboron-catalysed metal-free dehydrogenation of N-heterocycles using molecular oxygen. <i>Green Chemistry</i> , 2021, 23, 4446-4450.	4.6	28
1976	Visible light-mediated applications of methylene blue in organic synthesis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1694-1718.	2.3	64
1977	AI-active polyelectrolyte based photosensitizers: the effects of structure on antibiotic-resistant bacterial sensing and killing and pollutant decomposition. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5309-5317.	2.9	8
1978	Converting <i>p</i> -terphenyl into a novel organo-catalyst for LED-driven energy and electron transfer photoreactions in water. <i>Chemical Communications</i> , 2021, 57, 6752-6755.	2.2	16
1980	Ni-catalyzed non-activated C–S bond cleavage at ambient temperature for the synthesis of sulfur-containing polycyclic compounds. <i>Chemical Communications</i> , 2021, 57, 9048-9051.	2.2	8
1981	Photocatalytic Reductive C–O Bond Cleavage of Alkyl Aryl Ethers by Using Carbazole Catalysts with Cesium Carbonate. <i>Journal of Organic Chemistry</i> , 2021, 86, 2545-2555.	1.7	20
1982	Hole-mediated photoredox catalysis: tris(<i>p</i> -substituted)biarylammonium radical cations as tunable, precomplexing and potent photooxidants. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1132-1142.	2.3	72
1983	A phosphonium ylide as a visible light organophotoredox catalyst. <i>Chemical Communications</i> , 2021, 57, 3591-3594.	2.2	9
1984	Photoinduced oxidative cyclopropanation of ene-ynamides: synthesis of 3-aza[<i>n</i> .1.0]bicycles via vinyl radicals. <i>Chemical Communications</i> , 2021, 57, 5254-5257.	2.2	22
1985	Green strategies for transition metal-catalyzed C–H activation in molecular syntheses. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4886-4913.	2.3	59
1986	Direct access to α -acyloxycarbonyl compounds and esters via oxidative esterification of aldehydes under visible light. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4777-4784.	2.3	4
1987	Phthalide synthesis through dehydrogenated lactonization of the C(sp ³)–H bond by photoredox catalysis. <i>Green Chemistry</i> , 2021, 23, 8212-8216.	4.6	9
1988	Brønsted acid catalyzed radical addition to quinone methides. <i>Chemical Communications</i> , 2021, 57, 5151-5154.	2.2	13
1989	Dehalogenation reaction photocatalyzed by homoleptic copper(I) complexes associated with strongly reductive sacrificial donors. <i>Catalysis Science and Technology</i> , 2021, 11, 6041-6047.	2.1	9

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1990	Cavity-promotion by pillar[5]arenes expedites organic photoredox-catalysed reductive dehalogenations. <i>Chemical Communications</i> , 2021, 57, 9582-9585.	2.2	13
1991	Syntheses and structure of dinuclear metal complexes containing naphthyl-Ir bichromophore. <i>Dalton Transactions</i> , 2021, 50, 12716-12722.	1.6	5
1992	Catalytic Hydrogen Isotope Exchange Reactions in Late-Stage Functionalization. <i>Synlett</i> , 2022, 33, 329-338.	1.0	31
1993	Metallaphotoredox catalysis for multicomponent coupling reactions. <i>Green Chemistry</i> , 2021, 23, 5379-5393.	4.6	64
1994	Homogeneous catalytic C(sp ³)-H functionalization of gaseous alkanes. <i>Chemical Communications</i> , 2021, 57, 9956-9967.	2.2	21
1995	Visible-light-driven reductive coupling of aromatic ketones using perylene derivatives as photoredox catalysts: Improvement of reaction efficiency by the addition of acetic acid. <i>Results in Chemistry</i> , 2021, 3, 100123.	0.9	0
1996	Auto-tandem PET and EnT photocatalysis by crude chlorophyll under visible light towards the oxidative functionalization of indoles. <i>Green Chemistry</i> , 2021, 23, 3039-3047.	4.6	10
1997	Oxy-sulfonylation of terminal alkynes <i>via</i> C-S coupling enabled by copper photoredox catalysis. <i>Green Chemistry</i> , 2021, 23, 3569-3574.	4.6	27
1998	Metal- and additive-free C-H oxygenation of alkylarenes by visible-light photoredox catalysis. <i>Green Chemistry</i> , 2021, 23, 3392-3399.	4.6	33
1999	Generation of aryl radicals by redox processes. Recent progress in the arylation methodology. <i>Russian Chemical Reviews</i> , 2021, 90, 116-170.	2.5	11
2000	Photoredox-enabled 1,2-dialkylation of α -substituted acrylates <i>via</i> Ireland's Claisen rearrangement. <i>Chemical Science</i> , 2021, 12, 2816-2822.	3.7	11
2001	Photochemistry in Flow for Drug Discovery. <i>Topics in Medicinal Chemistry</i> , 2021, , 71-119.	0.4	1
2002	Organometallic Photosensitizers. , 2021, , .		2
2003	Stereoselective synthesis of unnatural β -amino acid derivatives through photoredox catalysis. <i>Chemical Science</i> , 2021, 12, 5430-5437.	3.7	33
2004	Sodium Iodide-Triphenylphosphine-Mediated Photoredox Alkylation of Aldimines. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 2676.	0.6	2
2005	The sunlight-promoted aerobic selective cyclization of olefinic amides and diselenides. <i>Catalysis Science and Technology</i> , 2021, 11, 2299-2305.	2.1	9
2006	Visible-light-mediated three-component Minisci reaction for heteroarylethyl alcohols synthesis. <i>Green Chemistry</i> , 2021, 23, 7963-7968.	4.6	10
2007	Convenient C(sp ³)-H bond functionalisation of light alkanes and other compounds by iron photocatalysis. <i>Green Chemistry</i> , 2021, 23, 6984-6989.	4.6	95

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2008	Combining machine learning and high-throughput experimentation to discover photocatalytically active organic molecules. <i>Chemical Science</i> , 2021, 12, 10742-10754.	3.7	52
2009	Cyanine-based near infra-red organic photoredox catalysis. <i>Chemical Science</i> , 2021, 12, 6964-6968.	3.7	35
2010	Visible light induced deaminative alkylation of difluoroenoxy silanes: a transition metal free strategy. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4438-4444.	2.3	20
2011	Ceramic boron carbonitrides for unlocking organic halides with visible light. <i>Chemical Science</i> , 2021, 12, 6323-6332.	3.7	24
2012	State of the Art in the Preparation and Properties of Molecular Monomeric <i>s</i> -Heptazines: Syntheses, Characteristics, and Functional Applications. <i>Chemical Reviews</i> , 2021, 121, 2515-2544.	23.0	63
2013	Chichibabin pyridinium synthesis via oxidative decarboxylation of photoexcited $\hat{\pm}$ -enamine acids. <i>Chemical Communications</i> , 2021, 57, 1222-1225.	2.2	4
2014	Oxidative Transformation of Biomass into Formic Acid. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1331-1343.	1.2	17
2015	Phenothiazine and phenoxazine sensitizers for dye-sensitized solar cells – an investigative review of two complete dye classes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11974-11994.	2.7	35
2016	Recent advancements in the development of molecular organic photocatalysts. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4816-4834.	1.5	50
2017	Recent advances in visible light-activated radical coupling reactions triggered by (i) ruthenium, (ii) iridium and (iii) organic photoredox agents. <i>Chemical Society Reviews</i> , 2021, 50, 9540-9685.	18.7	205
2018	Engaging 1,7-diynes in a photocatalytic Kharasch-type addition/1,5-(S_N- $\hat{\pm}$)-substitution cascade toward $\hat{\pm}$ -gem-dihalovinyl carbonyls. <i>Chemical Communications</i> , 2021, 57, 1911-1914.	2.2	21
2019	Light in Gold Catalysis. <i>Chemical Reviews</i> , 2021, 121, 8868-8925.	23.0	213
2020	The copper-catalyzed selective monoalkylation of active methylene compounds with alkylsilyl peroxides. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2658-2662.	1.5	12
2021	Oxidase reactions in photoredox catalysis. <i>Chemical Society Reviews</i> , 2021, 50, 2954-2967.	18.7	80
2022	Fast Carbon Isotope Exchange of Carboxylic Acids Enabled by Organic Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 2200-2206.	6.6	63
2023	Radical-based functionalization-oriented construction: rapid assembly of azaarene-substituted highly functionalized pyrroles. <i>Chemical Science</i> , 2021, 12, 6543-6550.	3.7	22
2024	Self-catalyzing photoredox polymerization for recyclable polymer catalysts. <i>Polymer Chemistry</i> , 2021, 12, 2205-2209.	1.9	18
2025	Competitive Desulfonylative Reduction and Oxidation of $\hat{\pm}$ -Sulfonylketones Promoted by Photoinduced Electron Transfer with 2-Hydroxyaryl-1,3-dimethylbenzimidazolines under Air. <i>Journal of Organic Chemistry</i> , 2021, 86, 2556-2569.	1.7	11

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2026	Asymmetric synthesis of oxazolines bearing $\hat{\pm}$ -stereocenters through radical addition – enantioselective protonation enabled by cooperative catalysis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5804-5809.	2.3	9
2027	Unravelling the role of charge transfer state during ultrafast intersystem crossing in compact organic chromophores. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25455-25466.	1.3	9
2028	Forging C–SeCF ₃ Bonds with Trifluoromethyl Toluene selenosulfonate under Visible Light. <i>Chemical Record</i> , 2021, 21, 417-426.	2.9	13
2029	Efficient cascade reactions for luminescent pyrylium biolabels catalysed by light rare-earth elements. <i>New Journal of Chemistry</i> , 2021, 45, 12305-12310.	1.4	3
2030	Mechanisms of photoredox catalysts: the role of optical spectroscopy. <i>Sustainable Energy and Fuels</i> , 2021, 5, 638-665.	2.5	25
2031	How does the single unit monomer insertion technique promote kinetic analysis of activation and initiation in photo-RAFT processes?. <i>Polymer Chemistry</i> , 2021, 12, 581-593.	1.9	13
2032	Structure–property relationships of core-substituted diaryl dihydrophenazine organic photoredox catalysts and their application in O-ATRP. <i>Polymer Chemistry</i> , 2021, 12, 6110-6122.	1.9	3
2033	Phosphoric Acid Mediated Light-Induced Minisci C–H Alkylation of <i>N</i> -Heteroarenes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 969-972.	1.2	8
2034	Spin-Flip Density Functional Theory for the Redox Properties of Organic Photoredox Catalysts in Excited States. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 767-776.	2.3	6
2035	Efficient metal-free visible light photocatalytic aromatization of azaheterocycles. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100135.	2.9	4
2036	Visible-Light-Mediated Decarboxylative Radical Addition Bifunctionalization Cascade for the Production of 1,4-Amino Alcohols. <i>Organic Letters</i> , 2021, 23, 1107-1112.	2.4	16
2037	Metallaphotoredox catalysis with organic dyes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3527-3550.	1.5	44
2038	Visible light photoredox by a (Ph ₃ Ar) ₂ Zn photocatalyst: photophysical properties and mechanistic understanding. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2078-2087.	3.0	9
2039	Pyridylphosphonium salts as alternatives to cyanopyridines in radical–radical coupling reactions. <i>Chemical Science</i> , 2021, 12, 10538-10543.	3.7	29
2040	Thermally activated delayed fluorescence materials as organic photosensitizers. <i>Chemical Communications</i> , 2021, 57, 10675-10688.	2.2	21
2041	Synthetic and Mechanistic Implications of Chlorine Photoelimination in Nickel/Photoredox C(sp ³)–H Cross-Coupling. <i>Accounts of Chemical Research</i> , 2021, 54, 988-1000.	7.6	144
2042	Single Electron Transfer-Induced Redox Processes Involving <i>N</i> -(Acyloxy)phthalimides. <i>ACS Catalysis</i> , 2021, 11, 1640-1683.	5.5	190
2043	Photochemical radical cyclization reactions with imines, hydrazones, oximes and related compounds. <i>Chemical Society Reviews</i> , 2021, 50, 7418-7435.	18.7	80

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2044	Photoelectrochemical cross-dehydrogenative coupling of benzothiazoles with strong aliphatic C-H bonds. <i>Chemical Communications</i> , 2021, 57, 4424-4427.	2.2	67
2045	Visible-light-mediated Synthesis of Bromo-containing Azaspirotrienediones from <i>N</i> -phenylpropynamides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 668-673.	1.3	15
2046	A highly selective decarboxylative deuteration of carboxylic acids. <i>Chemical Science</i> , 2021, 12, 5505-5510.	3.7	36
2047	Use of Perylene Diimides in Synthetic Photochemistry. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1193-1200.	1.2	25
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2050	Preparation of hexafluoroisopropyl esters by oxidative esterification of aldehydes using sodium persulfate. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2986-2990.	1.5	8
2051	Photocatalyst- and additive-free decarboxylative alkylation of <i>N</i> -aryl tetrahydroisoquinolines induced by visible light. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2473-2479.	2.3	23
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2093	Coupling Photocatalysis and Substitution Chemistry to Expand and Normalize Redox-Active Halides. <i>Organic Letters</i> , 2021, 23, 2036-2041.	2.4	5
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2135	Diastereoselective and Stereodivergent Synthesis of α -Cinnamylpyrrolines Enabled by Photoredox-Catalyzed Iminoalkenylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9672-9679.	7.2	40
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2154	Emerging concepts in photocatalytic organic synthesis. <i>IScience</i> , 2021, 24, 102209.	1.9	109
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2172	Electricity-Driven Post-Functionalization of Conducting Polymers. <i>Chemical Record</i> , 2021, 21, 2107-2119.	2.9	9
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2174	Luminescence in Crystalline Organic Materials: From Molecules to Molecular Solids. <i>Advanced Optical Materials</i> , 2021, 9, 2002251.	3.6	146
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2177	Visible-Light-Induced α -Amino C-H Bond Arylation Enabled by Electron Donor-Acceptor Complexes. <i>Organic Letters</i> , 2021, 23, 3913-3918.	2.4	22
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2460	Photoredox halogenation of quinolones: the dual role of halo-fluorescein dyes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4585-4592.	1.5	9
2461	<i>α</i> -Tetrazine-functionalized hyper-crosslinked polymers for efficient photocatalytic synthesis of benzimidazoles. <i>Green Chemistry</i> , 2021, 23, 1292-1299.	4.6	33
2462	Visible light promoted photoredox C(sp ³)-H bond functionalization of tetrahydroisoquinolines in flow. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2668-2675.	1.5	8
2463	Photoredox/cobaloxime co-catalyzed allylation of amines and sulfonyl hydrazines with olefins to access <i>α</i> -allylic amines and allylic sulfones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8227-8231.	1.5	12
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2465	Visible-light synthesis of 4-substituted-chroman-2-ones and 2-substituted-chroman-4-ones <i>via</i> doubly decarboxylative Giese reaction. <i>RSC Advances</i> , 2021, 11, 27782-27786.	1.7	9

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2481	Unravelling an oxygen-mediated reductive quenching pathway for photopolymerisation under long wavelengths. <i>Nature Communications</i> , 2021, 12, 478.	5.8	54
2482	Visible light-induced recyclable g-C ₃ N ₄ catalyzed thiocyanation of C(sp ²)-H bonds in sustainable solvents. <i>Green Chemistry</i> , 2021, 23, 3677-3682.	4.6	96
2483	Visible-light-promoted synthesis of secondary and tertiary thiocarbamates from thiosulfonates and <i>N</i> -substituted formamides. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8701-8705.	1.5	9

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2504	Modular, Self-Assembling Metallaphotocatalyst for Cross-Couplings Using the Full Visible-Light Spectrum. <i>ACS Catalysis</i> , 2020, 10, 13269-13274.	5.5	21
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2757	Siteâ€Selective <i>N</i>- and Câ€ Heteroarylation of Indole with Heteroarylnitriles by Organocatalysis under Visible Light. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
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