

# Visible light-induced transition metal-catalyzed transfo photosensitizers

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Citation Report

#	ARTICLE	IF	CITATIONS
1	General, Auxiliary-Enabled Photoinduced Pd-Catalyzed Remote Desaturation of Aliphatic Alcohols. <i>Journal of the American Chemical Society</i> , 2017, 139, 14857-14860.	6.6	131
2	Visible Light-Induced Room-Temperature Heck Reaction of Functionalized Alkyl Halides with Vinyl Arenes/Heteroarenes. <i>Angewandte Chemie</i> , 2017, 129, 14400-14404.	1.6	50
3	Visible Light-Induced Room-Temperature Heck Reaction of Functionalized Alkyl Halides with Vinyl Arenes/Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14212-14216.	7.2	180
4	Irradiation-Induced Heck Reaction of Unactivated Alkyl Halides at Room Temperature. <i>Journal of the American Chemical Society</i> , 2017, 139, 18307-18312.	6.6	242
5	Synthesis of indoles under the action of visible light (microreview). <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 22-24.	0.6	11
6	Advanced Oxidation Processes II: Removal of Pharmaceuticals by Photocatalysis. <i>Handbook of Environmental Chemistry</i> , 2018, , 143-155.	0.2	2
7	Palladium-Catalyzed para-Selective Alkylation of Electron-Deficient Arenes. <i>Angewandte Chemie</i> , 2018, 130, 6402-6406.	1.6	13
8	Probing Triplet Excited States and Managing Blue Light Emission of Neutral Tetradentate Platinum(II) Complexes. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2285-2292.	2.1	31
9	Visible-Light-Induced Nickel-Catalyzed Negishi Cross-Couplings by Exogenous-Photosensitizer-Free Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8473-8477.	7.2	65
10	Recent advances in radical-based C-N bond formation via photo-/electrochemistry. <i>Chemical Society Reviews</i> , 2018, 47, 2591-2608.	18.7	312
11	Palladium-Catalyzed para-Selective Alkylation of Electron-Deficient Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6294-6298.	7.2	59
12	Palladium-Catalyzed Decarboxylative Heck-Type Coupling of Activated Aliphatic Carboxylic Acids Enabled by Visible Light. <i>Chemistry - A European Journal</i> , 2018, 24, 4552-4555.	1.7	115
13	General, Mild, and Selective Method for Desaturation of Aliphatic Amines. <i>Journal of the American Chemical Society</i> , 2018, 140, 2465-2468.	6.6	110
14	Palladium-Catalyzed Atom-Transfer Radical Cyclization at Remote Unactivated C(sp <sup>3</sup> ) <sup>α</sup> H Sites: Hydrogen-Atom Transfer of Hybrid Vinyl Palladium Radical Intermediates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2712-2715.	7.2	85
15	Irradiation-Induced Palladium-Catalyzed Decarboxylative Heck Reaction of Aliphatic <i>N</i> -(Acyloxy)phthalimides at Room Temperature. <i>Organic Letters</i> , 2018, 20, 888-891.	2.4	156
16	Palladium-Catalyzed Atom-Transfer Radical Cyclization at Remote Unactivated C(sp <sup>3</sup> ) <sup>α</sup> H Sites: Hydrogen-Atom Transfer of Hybrid Vinyl Palladium Radical Intermediates. <i>Angewandte Chemie</i> , 2018, 130, 2742-2745.	1.6	15
17	Heck Reaction of Electronically Diverse Tertiary Alkyl Halides. <i>Organic Letters</i> , 2018, 20, 357-360.	2.4	126
18	Oxy-Alkylation of Allylamines with Unactivated Alkyl Bromides and CO <sub>2</sub> via Visible-Light-Driven Palladium Catalysis. <i>Organic Letters</i> , 2018, 20, 3049-3052.	2.4	100

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19	Photocatalysis and self-catalyzed photobleaching with covalently-linked chromophore-quencher conjugates built around BOPHY. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 750-762.	1.6	12
20	Gold( $\text{Au}^{\text{I}}$ )-catalyzed cycloisomerization of <i>ortho</i> -(alkynyl) styrenes: DFT analysis of the crucial role of $\text{SbF}_6^-$ in the elimination of protons. <i>Catalysis Science and Technology</i> , 2018, 8, 2441-2448.	2.1	18
21	Visible-Light-Induced Nickel-Catalyzed Negishi Cross-Couplings by Exogenous Photosensitizer-Free Photocatalysis. <i>Angewandte Chemie</i> , 2018, 130, 8609-8613.	1.6	11
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23	Enhanced photocarriers separation of novel CdS/pt/Mo <sub>2</sub> C heterostructure for visible-light-driven hydrogen evolution. <i>RSC Advances</i> , 2018, 8, 33993-33999.	1.7	13
24	Visible Light Irradiation: A Green Pathway-Promoted Pseudo Four Component Synthesis of Chromeno[4,3,2- <i>cd</i> ][1,6]naphthyridine Derivatives under Mild, and Catalyst-Free Conditions. <i>ChemistrySelect</i> , 2018, 3, 11059-11064.	0.7	9
25	Copper(II)-Catalyzed Asymmetric Photoredox Reactions: Enantioselective Alkylation of Imines Driven by Visible Light. <i>Journal of the American Chemical Society</i> , 2018, 140, 15850-15858.	6.6	172
26	Metal- and photocatalyst-free visible-light-promoted regioselective selenylation of coumarin derivatives via oxidation-induced C-H functionalization. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2974-2979.	2.3	85
27	Visible light accelerated hydrosilylation of alkynes using platinum[acyclic diaminocarbene] photocatalysts. <i>Chemical Communications</i> , 2018, 54, 9450-9453.	2.2	47
28	The Dual Role of Gold(I) Complexes in Photosensitizer-Free Visible-Light-Mediated Gold-Catalyzed 1,2-Difunctionalization of Alkynes: A DFT Study. <i>Chemistry - A European Journal</i> , 2018, 24, 14119-14126.	1.7	29
29	Application of coumarin dyes for organic photoredox catalysis. <i>Chemical Communications</i> , 2018, 54, 10044-10047.	2.2	64
30	Dual copper- and photoredox-catalysed reactions. <i>Tetrahedron</i> , 2018, 74, 4881-4902.	1.0	42
31	Recent Advances in Radical-Enabled Bicyclization and Annulation/1,2-Bifunctionalization Reactions. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2958-2977.	1.7	131
32	Pyridylphosphine supported Ag(I) and Cu(I) complexes for detection of alcohols and nitriles via structural transformations from 1D to 0D. <i>CrystEngComm</i> , 2019, 21, 5595-5601.	1.3	10
33	Photoinduced Copper-Catalyzed Radical Aminocarbonylation of Cycloketone Oxime Esters. <i>ACS Catalysis</i> , 2019, 9, 8159-8164.	5.5	117
34	Magnetic Cu-Schiff base complex with an ionic tail as a recyclable bifunctional catalyst for base/Pd-free Sonogashira coupling reaction. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2693-2705.	1.2	14
35	Visible Light Induced Rhodium(I)-Catalyzed C-H Borylation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15244-15248.	7.2	69
36	Visible-light-triggered Catalytic Halohydrin Synthesis from Epoxides and Trichloroacetonitrile by Copper and Iron Salts. <i>Chemistry Letters</i> , 2019, 48, 1469-1471.	0.7	5

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37	Naphthalene diimides with improved solubility for visible light photoredox catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2043-2051.	1.3	7
38	Recent Advances on Visible Light Metal-Based Photocatalysts for Polymerization under Low Light Intensity. <i>Catalysts</i> , 2019, 9, 736.	1.6	36
39	On the comparable activity in plasmonic photocatalytic and thermocatalytic oxidative homocoupling of alkynes over prerduced copper ferrite. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1505-1515.	6.9	7
40	Copper Photoredox Catalyzed A3™ Coupling of Arylamines, Terminal Alkynes, and Alcohols through a Hydrogen Atom Transfer Process. <i>Angewandte Chemie</i> , 2019, 131, 3878-3882.	1.6	13
41	Copper Photoredox Catalyzed A3™ Coupling of Arylamines, Terminal Alkynes, and Alcohols through a Hydrogen Atom Transfer Process. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3838-3842.	7.2	66
42	Innovation in protecting-group-free natural product synthesis. <i>Nature Reviews Chemistry</i> , 2019, 3, 85-107.	13.8	48
43	Katalyse mit durch sichtbares Licht angeregten Palladiumkomplexen. <i>Angewandte Chemie</i> , 2019, 131, 11710-11722.	1.6	32
44	Selective C–F bond carboxylation of <i>gem</i> -difluoroalkenes with CO <sub>2</sub> by photoredox/palladium dual catalysis. <i>Chemical Science</i> , 2019, 10, 6721-6726.	3.7	99
45	Visible light promoted difunctionalization reactions of alkynes. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1003-1019.	6.9	65
46	Visible-Light-Driven Synthesis of Arylstannanes from Arylazo Sulfones. <i>Organic Letters</i> , 2019, 21, 5187-5191.	2.4	43
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48	Lighting the Flavin Decorated Ruthenium(II) Polyimine Complexes: A Theoretical Investigation. <i>Inorganic Chemistry</i> , 2019, 58, 8486-8493.	1.9	7
49	Theoretical study on the mechanism and chemoselectivity in gold( <i>sc</i> )-catalyzed cycloisomerization of <i>ortho</i> -(alkynyl)styrenes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2701-2712.	2.3	13
50	Photoinduced, Copper-Catalyzed Radical Cross-Coupling of Cycloketone Oxime Esters, Alkenes, and Terminal Alkynes. <i>Organic Letters</i> , 2019, 21, 4359-4364.	2.4	78
51	Visible light triggered photo-decomposition of vinyl azides to <i>E</i> -stilbene derivatives <i>via</i> 1,2-acyl migration. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5971-5981.	1.5	12
52	Visible Light-Induced Excited-State Transition-Metal Catalysis. <i>Trends in Chemistry</i> , 2019, 1, 510-523.	4.4	140
53	Visible Light Uranyl Photocatalysis: Direct C–H to C–C Bond Conversion. <i>ACS Catalysis</i> , 2019, 9, 3054-3058.	5.5	84
54	A visible-light-induced cascade reaction of etherification/C–C cyclization: efficient synthesis of dibenzo[ <i>b</i> , <i>d</i> ]oxepin-7( <i>H</i> )-ones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3324-3327.	1.5	7

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56	Photochemistry of Carbonyl Compounds: Application in Metal-Free Reactions. <i>ChemPhotoChem</i> , 2019, 3, 506-520.	1.5	59
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58	Functionalized hBN Nanosheets as a Theranostic Platform for SERS Real-Time Monitoring of MicroRNA and Photodynamic Therapy. <i>Angewandte Chemie</i> , 2019, 131, 7839-7843.	1.6	13
59	Development of novel TiO <sub>2</sub> -Cu <sub>2</sub> (OH)PO <sub>4</sub> heterojunction as nanophotocatalyst for improved Cr (VI) reduction. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102968.	3.3	21
60	Visible Light Induced Rhodium(I)-Catalyzed C-H Borylation. <i>Angewandte Chemie</i> , 2019, 131, 15388-15392.	1.6	14
61	Visible light-induced palladium-catalyzed ring opening $\beta$ -H elimination and addition of cyclobutanone oxime esters. <i>Chemical Communications</i> , 2019, 55, 14291-14294.	2.2	33
62	Visible light-driven cross-coupling reactions of alkyl halides with phenylacetylene derivatives for C(sp <sup>3</sup> )-C(sp) bond formation catalyzed by a B <sub>12</sub> complex. <i>Chemical Communications</i> , 2019, 55, 13070-13073.	2.2	33
63	C-C formation mediated by photoinduced electrons from crystallized carbon nitride nanobelts under visible light irradiation. <i>Journal of Energy Chemistry</i> , 2019, 30, 152-161.	7.1	19
64	Catalysis with Palladium Complexes Photoexcited by Visible Light. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11586-11598.	7.2	191
65	Aliphatic Radical Relay Heck Reaction at Unactivated C(sp <sup>3</sup> )-H Sites of Alcohols. <i>Angewandte Chemie</i> , 2019, 131, 1808-1812.	1.6	22
66	Aliphatic Radical Relay Heck Reaction at Unactivated C(sp <sup>3</sup> )-H Sites of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1794-1798.	7.2	97
67	Visible-Light-Induced, Manganese-Catalyzed Tandem Cyclization of 2-Biphenyl Isocyanides with Cyclopropanols for the Synthesis of $\beta$ -Ketoalkyl Phenanthridines. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 385-390.	1.3	12
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69	Heterogeneous Photocatalyzed C-C Cross-coupling Reactions Under Visible Light and Near-Infrared Light Irradiation. <i>ChemCatChem</i> , 2019, 11, 669-683.	1.8	41
70	Oxidative Addition to Palladium(0) Made Easy through Photoexcited-State Metal Catalysis: Experiment and Computation. <i>Angewandte Chemie</i> , 2019, 131, 3450-3454.	1.6	24
71	Photochemical Strategies for Carbon-Heteroatom Bond Formation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1379-1392.	1.2	44
72	Aluminum(III) Salen Complexes as Active Photoredox Catalysts. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1486-1490.	1.2	24

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74	Photoredox-Catalyzed Hydrosulfonylation of Aryllenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 2250-2259.	1.7	29
75	Metal-Free Visible-Light-Mediated Aromatization of 1,2-Dihydronaphthalenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1482-1485.	1.2	4
76	Visible light-induced aerobic oxidative cross-coupling reaction: preparation of $\beta$ -indolyl glycine derivatives. <i>New Journal of Chemistry</i> , 2020, 44, 313-316.	1.4	25
77	Visible-Light-Induced Nickel-Catalyzed Cross-Coupling with Alkylzirconocenes from Unactivated Alkenes. <i>Chem</i> , 2020, 6, 675-688.	5.8	57
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79	Photoinduced deaminative strategies: Katritzky salts as alkyl radical precursors. <i>Chemical Communications</i> , 2020, 56, 503-514.	2.2	116
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84	Visible-Light-Enabled C <sup>sp</sup> H Functionalization by a Direct Hydrogen Atom Transfer Uranyl Photocatalyst. <i>Chemistry - A European Journal</i> , 2020, 26, 16521-16529.	1.7	35
85	A supramolecular bifunctional iridium photoaminocatalyst for the enantioselective alkylation of aldehydes. <i>Dalton Transactions</i> , 2020, 49, 14497-14505.	1.6	4
86	Transition Metal-Catalyzed Organic Reactions under Visible Light: Recent Developments and Future Perspectives. <i>ACS Catalysis</i> , 2020, 10, 9170-9196.	5.5	226
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88	Triplet Energy Transfer Photocatalysis: Unlocking the Next Level. <i>Chem</i> , 2020, 6, 1888-1903.	5.8	304
89	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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92	Synthesis of a B <sub>12</sub> -inspired photochemical transformations of a trichloromethylated organic compound. <i>Chemical Communications</i> , 2020, 56, 11945-11948.	2.2	9
93	Combining Photodeprotection and Ligation into a Dual-Color Gated Reaction System. <i>Chemistry - A European Journal</i> , 2020, 26, 16985-16989.	1.7	5
94	Visible-Light-Driven Catalytic Reductive Carboxylation with CO <sub>2</sub> . <i>ACS Catalysis</i> , 2020, 10, 10871-10885.	5.5	146
95	Visible light promoted cross-dehydrogenative coupling: a decade update. <i>Green Chemistry</i> , 2020, 22, 6632-6681.	4.6	132
96	Visible-Light-Accelerated Pd-Catalyzed Cascade Addition/Cyclization of Arylboronic Acids to $\beta$ - and $\gamma$ -Ketodinitriles for the Construction of 3-Cyanopyridines and 3-Cyanopyrrole Analogues. <i>Journal of Organic Chemistry</i> , 2020, 85, 12482-12504.	1.7	22
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99	Recent applications of Rose Bengal catalysis in N-heterocycles: a short review. <i>RSC Advances</i> , 2020, 10, 39495-39508.	1.7	56
100	Dual aminoquinolate diarylboron and nickel catalysed metallaphotoredox platform for carbon-oxygen bond construction. <i>Chemical Communications</i> , 2020, 56, 8273-8276.	2.2	40
101	Photocatalyst-Free Visible-Light Enabled Synthesis of Substituted Pyrroles from $\alpha$ -Keto Vinyl Azides. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3364-3368.	2.1	18
102	Transferring photocatalytic CO <sub>2</sub> reduction mediated by Cu(N <sup>N</sup> )(P <sup>P</sup> ) <sup>+</sup> complexes from organic solvents into ionic liquid media. <i>Green Chemistry</i> , 2020, 22, 4541-4549.	4.6	12
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104	Visible-Light-Induced Palladium-Catalyzed Generation of Aryl Radicals from Aryl Triflates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10316-10320.	7.2	82
105	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
106	Three-component aminoselenation of alkenes <i>via</i> visible-light enabled Fe-catalysis. <i>Green Chemistry</i> , 2020, 22, 2804-2809.	4.6	79
107	<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
108	Helical Carbenium Ion: A Versatile Organic Photoredox Catalyst for Red-Light-Mediated Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 12056-12061.	6.6	79

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110	Eosin Y-catalyzed one-pot synthesis of spiro[4H-pyran-oxindole] under visible light irradiation. <i>Tetrahedron</i> , 2020, 76, 131059.	1.0	44
111	Visible-Light-Driven Photocatalyst- and Additive-Free Cross-Coupling of $\beta$ -Ketothioamides with $\alpha$ -Diazo 1,3-Diketones: Access to Highly Functionalized Thiazolines. <i>Chemistry - A European Journal</i> , 2020, 26, 8083-8089.	1.7	26
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119	Visible-Light-Induced Palladium-Catalyzed Generation of Aryl Radicals from Aryl Triflates. <i>Angewandte Chemie</i> , 2020, 132, 10402-10406.	1.6	14
120	A review of enantioselective dual transition metal/photoredox catalysis. <i>Science China Chemistry</i> , 2020, 63, 637-647.	4.2	120
121	Photoredox/palladium-cocatalyzed enantioselective alkylation of secondary benzyl carbonates with 4-alkyl-1,4-dihydropyridines. <i>Science China Chemistry</i> , 2020, 63, 687-691.	4.2	20
122	Stereoiduction in Metallaphotoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1714-1726.	7.2	161
123	Stereoiduktion in der Metallaphotoredoxkatalyse. <i>Angewandte Chemie</i> , 2021, 133, 1738-1750.	1.6	24
124	Catalytic Photoredox Allylation of Aldehydes Promoted by a Cobalt Complex. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1105-1111.	2.1	27
125	Three-component three-bond forming cascade <i>via</i> palladium photoredox catalysis. <i>Chemical Science</i> , 2021, 12, 1810-1817.	3.7	61
126	Contemporary methods for generation of aryl radicals. <i>Chemical Society Reviews</i> , 2021, 50, 2244-2259.	18.7	96



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128	Visible-light-driven palladium-catalyzed Dowd–Beckwith ring expansion/C–C bond formation cascade. <i>Chemical Science</i> , 2021, 12, 1791-1795.	3.7	22
129	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
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