Jie Wu

List of Publications by Year
in descending order

76 papers	4,891 citations	94381 37 h-index	98753 67 g-index
92 all docs	92 docs citations	92 times ranked	3561 citing authors

#	Article	IF	Citations
1	Catalytically active atomically thin cuprate with periodic Cu single sites. National Science Review, 2023, 10, .	4.6	2
2	Stop-Flow Microtubing Reactor-Assisted Visible Light-Induced Hydrogen-Evolution Cross Coupling of Heteroarenes with C(sp³)â€“H Bonds. ACS Catalysis, 2022, 12, 4473-4480.	5.5	23
3	Synthesis of Oxygenated Sesquiterpenoids Enabled by Combining Metabolic Engineering and Visibleâ€Light Photocatalysis. Chemistry - A European Journal, 2022, 28, .	1.7	2
4	Access to chiral Î²-sulfonyl carbonyl compounds via photoinduced organocatalytic asymmetric radical sulfonylation with sulfur dioxide. Chemical Science, 2022, 13, 8834-8839.	3.7	34
5	Lateâ€Stage C(sp²)â^'H Functionalization: A Powerful Toolkit To Arm Natural Products for In Situ Proteome Profiling?. Chemistry - A European Journal, 2021, 27, 3575-3580.	1.7	7
6	Lightâ€Promoted Organic Transformations Utilizing Carbonâ€Based Gas Molecules as Feedstocks. Angewandte Chemie, 2021, 133, 19098-19128.	1.6	7
7	Lightâ€Promoted Organic Transformations Utilizing Carbonâ€Based Gas Molecules as Feedstocks. Angewandte Chemie - International Edition, 2021, 60, 18950-18980.	7.2	56
8	Polysulfide Anions as Visible Light Photoredox Catalysts for Aryl Cross-Couplings. Journal of the American Chemical Society, 2021, 143, 481-487.	6.6	63
9	Oxidative Sulfonylation of Hydrazones Enabled by Synergistic Copper/Silver Catalysis. Journal of Organic Chemistry, 2021, 86, 3706-3720.	1.7	19
10	Automated synthesis of prexasertib and derivatives enabled by continuous-flow solid-phase synthesis. Nature Chemistry, 2021, 13, 451-457.	6.6	51
11	Quinuclidine and its derivatives as hydrogen-atom-transfer catalysts in photoinduced reactions. Chinese Chemical Letters, 2021, 32, 1847-1856.	4.8	41
12	Bromine radical as a visible-light-mediated polarity-reversal catalyst. IScience, 2021, 24, 102693.	1.9	14
13	Vacancy engineered polymeric carbon nitride nanosheets for enhanced photoredox catalytic efficiency. Cell Reports Physical Science, 2021, 2, 100491.	2.8	17
14	Unveiling Extreme Photoreduction Potentials of Donorâ€“Acceptor Cyanoarenes to Access Aryl Radicals from Aryl Chlorides. Journal of the American Chemical Society, 2021, 143, 13266-13273.	6.6	118
15	Photoinduced intermolecular hydrogen atom transfer reactions in organic synthesis. Chem Catalysis, 2021, 1, 523-598.	2.9	191
16	Neutral-Eosin Y-Catalyzed Regioselective Hydroacylation of Aryl Alkenes under Visible-Light Irradiation. Synlett, 2021, 32, 406-410.	1.0	8
17	Olefin Metathesis in Continuous Flow Reactor Employing Polar Ruthenium Catalyst and Soluble Metal Scavenger for Instant Purification of Products of Pharmaceutical Interest. ACS Sustainable Chemistry and Engineering, 2021, 9, 16450-16458.	3.2	13
18	Photo-Induced Cross-Dehydrogenative Alkylation of Heteroarenes with Alkanes under Aerobic Conditions. Journal of Organic Chemistry, 2021, 86, 17816-17832.	1.7	32

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19	Divergent functionalization of aldehydes photocatalyzed by neutral eosin Y with sulfone reagents. Nature Communications, 2021, 12, 7214.	5.8	33
20	Visibleâ€Lightâ€Mediated Regioselective Allylation, Benzylation, and Silylation of Methyleneâ€Malononitriles via Photoredoxâ€Induced Radical Cation Fragmentation. European Journal of Organic Chemistry, 2020, 2020, 1459-1465.	1.2	28
21	Pyrenediones as versatile photocatalysts for oxygenation reactions with in situ generation of hydrogen peroxide under visible light. Green Chemistry, 2020, 22, 22-27.	4.6	25
22	Visibleâ€Lightâ€Induced Selective Defluoroborylation of Polyfluoroarenes, gemâ€Difluoroalkenes, and Trifluoromethylalkenes. Angewandte Chemie - International Edition, 2020, 59, 4009-4016.	7.2	146
23	Visible light driven deuteration of formyl Câ€“H and hydridic C(sp³)â€“H bonds in feedstock chemicals and pharmaceutical molecules. Chemical Science, 2020, 11, 8912-8918.	3.7	78
24	Photo-mediated selective deconstructive geminal dihalogenation of trisubstituted alkenes. Nature Communications, 2020, 11, 4462.	5.8	20
25	Light-Promoted Bromine-Radical-Mediated Selective Alkylation and Amination of Unactivated C(sp3)â€“H Bonds. CheM, 2020, 6, 1766-1776.	5.8	80
26	Aerobic Câ€“H Functionalization Using Pyrenedione as the Photocatalyst. Synthesis, 2020, 52, 2512-2520.	1.2	8
27	A Radical Smiles Rearrangement Promoted by Neutral Eosin Y as a Direct Hydrogen Atom Transfer Photocatalyst. Journal of the American Chemical Society, 2020, 142, 11357-11362.	6.6	95
28	Visibleâ€Lightâ€Induced Selective Defluoroborylation of Polyfluoroarenes, gemâ€Difluoroalkenes, and Trifluoromethylalkenes. Angewandte Chemie, 2020, 132, 4038-4045.	1.6	34
29	Photoinduced site-selective alkenylation of alkanes and aldehydes with aryl alkenes. Nature Communications, 2020, 11, 1956.	5.8	116
30	Cloud-inspired multiple scattering for light intensified photochemical flow reactors. Reaction Chemistry and Engineering, 2020, 5, 1058-1063.	1.9	11
31	Neutralâ€Eosinâ€Yâ€Photocatalyzed Silane Chlorination Using Dichloromethane. Angewandte Chemie - International Edition, 2019, 58, 12580-12584.	7.2	55
32	Visible-light-mediated deuteration of silanes with deuterium oxide. Chemical Science, 2019, 10, 7340-7344.	3.7	60
33	Neutralâ€Eosinâ€Yâ€Photocatalyzed Silane Chlorination Using Dichloromethane. Angewandte Chemie, 2019, 131, 12710-12714.	1.6	10
34	Asymmetric Synthesis of 1,4â€Dicarbonyl Compounds from Aldehydes by Hydrogen Atom Transfer Photocatalysis and Chiral Lewis Acid Catalysis. Angewandte Chemie - International Edition, 2019, 58, 16859-16863.	7.2	96
35	Asymmetric Synthesis of 1,4â€Dicarbonyl Compounds from Aldehydes by Hydrogen Atom Transfer Photocatalysis and Chiral Lewis Acid Catalysis. Angewandte Chemie, 2019, 131, 17015-17019.	1.6	17
36	Continuous amination of aryl/heteroaryl halides using aqueous ammonia in a Teflon AF-2400 tube-in-tube micro-flow reactor. Reaction Chemistry and Engineering, 2019, 4, 346-350.	1.9	17

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37	Photoinduced Divergent Alkylation/Acylation of Pyridine N-Oxides with Alkynes under Anaerobic and Aerobic Conditions. Organic Letters, 2019, 21, 5321-5325.	2.4	62
38	Color Patterning of Luminescent Perovskites via Lightâ€Mediated Halide Exchange with Haloalkanes. Advanced Materials, 2019, 31, e1901247.	11.1	35
39	Photocatalytic Cascade Radical Cyclization Approach to Bioactive Indoline-Alkaloids over Donorâ€“Acceptor Type Conjugated Microporous Polymer. ACS Catalysis, 2019, 9, 5178-5183.	5.5	57
40	Photoredox-Catalysis-Modulated, Nickel-Catalyzed Divergent Difunctionalization of Ethylene. CheM, 2019, 5, 192-203.	5.8	97
41	Metalâ€“salen molecular cages as efficient and recyclable heterogeneous catalysts for cycloaddition of CO₂ with epoxides under ambient conditions. Chemical Science, 2019, 10, 1549-1554.	3.7	82
42	Utilization of Stop-flow Micro-tubing Reactors for the Development of Organic Transformations. Journal of Visualized Experiments, 2018, , .	0.2	0
43	Eosinâ€…Y as a Direct Hydrogenâ€Atom Transfer Photocatalyst for the Functionalization of Câˆ’H Bonds. Angewandte Chemie, 2018, 130, 8650-8654.	1.6	79
44	Eosinâ€…Y as a Direct Hydrogenâ€Atom Transfer Photocatalyst for the Functionalization of Câˆ’H Bonds. Angewandte Chemie - International Edition, 2018, 57, 8514-8518.	7.2	304
45	Visible-Light-Driven Alkyne Hydro-/Carbocarboxylation Using CO₂ via Iridium/Cobalt Dual Catalysis for Divergent Heterocycle Synthesis. Journal of the American Chemical Society, 2018, 140, 5257-5263.	6.6	184
46	Visibleâ€Lightâ€Mediated Metalâ€Free Difunctionalization of Alkenes with CO₂ and Silanes or C(sp³)âˆ’H Alkanes. Angewandte Chemie, 2018, 130, 17466-17470.	1.6	46
47	Photo-induced Decarboxylative Heck-Type Coupling of Unactivated Aliphatic Acids and Terminal Alkenes in the Absence of Sacrificial Hydrogen Acceptors. Journal of the American Chemical Society, 2018, 140, 16360-16367.	6.6	146
48	Visibleâ€Lightâ€Mediated Metalâ€Free Difunctionalization of Alkenes with CO₂ and Silanes or C(sp³)âˆ’H Alkanes. Angewandte Chemie - International Edition, 2018, 57, 17220-17224.	7.2	227
49	Microtubingâ€Reactorâ€Assisted Aliphatic Câˆ’H Functionalization with HCl as a Hydrogenâ€Atomâ€Transfer Catalyst Precursor in Conjunction with an Organic Photoredox Catalyst. Angewandte Chemie, 2018, 130, 12843-12847.	1.6	38
50	One-Pot Photomediated Giese Reaction/Friedelâ€“Crafts Hydroxyalkylation/Oxidative Aromatization To Access Naphthalene Derivatives from Toluenes and Enones. ACS Catalysis, 2018, 8, 6224-6229.	5.5	51
51	Microtubingâ€Reactorâ€Assisted Aliphatic Câˆ’H Functionalization with HCl as a Hydrogenâ€Atomâ€Transfer Catalyst Precursor in Conjunction with an Organic Photoredox Catalyst. Angewandte Chemie - International Edition, 2018, 57, 12661-12665.	7.2	167
52	Recent Developments in the Photoâ€Mediated Generation of Silyl Radicals and Their Application in Organic Synthesis. ChemPhotoChem, 2018, 2, 839-846.	1.5	88
53	Photo-induced thiol coupling and Câ€“H activation using nanocrystalline lead-halide perovskite catalysts. Catalysis Science and Technology, 2018, 8, 4257-4263.	2.1	106
54	Recent Development of Lightâ€Mediated Carboxylation Using CO₂ as the Feedstock. Asian Journal of Organic Chemistry, 2018, 7, 1439-1447.	1.3	65

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55	Reaction discovery using acetylene gas as the chemical feedstock accelerated by the â€œstop-flowâ€• micro-tubing reactor system. Chemical Science, 2017, 8, 3623-3627.	3.7	67
56	Metal-free direct alkylation of unfunctionalized allylic/benzylic sp³Câ€“H bonds via photoredox induced radical cation deprotonation. Chemical Science, 2017, 8, 4654-4659.	3.7	120
57	Photoinduced Nickel-Catalyzed Chemo- and Regioselective Hydroalkylation of Internal Alkynes with Ether and Amide Î±-Hetero C(sp³)â€“H Bonds. Journal of the American Chemical Society, 2017, 139, 13579-13584.	6.6	192
58	Visibleâ€Lightâ€Mediated Metalâ€Free Hydrosilylation of Alkenes through Selective Hydrogen Atom Transfer for Siâ€“H Activation. Angewandte Chemie - International Edition, 2017, 56, 16621-16625.	7.2	149
59	Visibleâ€Lightâ€Mediated Metalâ€Free Hydrosilylation of Alkenes through Selective Hydrogen Atom Transfer for Siâ€“H Activation. Angewandte Chemie, 2017, 129, 16848-16852.	1.6	36
60	A binary catalyst system of a cationic Ruâ€“CNC pincer complex with an alkali metal salt for selective hydroboration of carbon dioxide. Chemical Communications, 2016, 52, 11842-11845.	2.2	25
61	Total Synthesis of Nuclear Factor of Activated T-Cells-68 (NFAT-68): Sequential Use of Chiral Allenylsilane and Titanium Alkoxide-Mediated Reductive Coupling Bond Construction. Organic Letters, 2016, 18, 4304-4307.	2.4	7
62	Reaction screening in continuous flow reactors. Tetrahedron Letters, 2016, 57, 3965-3977.	0.7	37
63	Electrochemically Responsive Heterogeneous Catalysis for Controlling Reaction Kinetics. Journal of the American Chemical Society, 2015, 137, 1348-1355.	6.6	31
64	Microwave-Assisted Oxidation of Electrospun Turbostratic Carbon Nanofibers for Tailoring Energy Storage Capabilities. Chemistry of Materials, 2015, 27, 4574-4585.	3.2	15
65	Microwave assisted synthesis of cyclic carbonates from olefins with sodium bicarbonates as the C1 source. Chemical Communications, 2014, 50, 3245.	2.2	36
66	Synthesis of Highly Functionalized Polycyclic Quinoxaline Derivatives Using Visibleâ€Light Photoredox Catalysis. Angewandte Chemie - International Edition, 2014, 53, 14451-14455.	7.2	141
67	Continuous Flow Synthesis of Ketones from Carbon Dioxide and Organolithium or Grignard Reagents. Angewandte Chemie - International Edition, 2014, 53, 8416-8420.	7.2	90
68	Mechanism-guided design of flow systems for multicomponent reactions: conversion of CO2 and olefins to cyclic carbonates. Chemical Science, 2014, 5, 1227.	3.7	55
69	Bromine-Catalyzed Conversion of CO₂ and Epoxides to Cyclic Carbonates under Continuous Flow Conditions. Journal of the American Chemical Society, 2013, 135, 18497-18501.	6.6	130
70	Five-Membered Ring Systems. Progress in Heterocyclic Chemistry, 2013, 25, 183-215.	0.5	17
71	Bifunctional Homoallylic Carbamates from Chiral Silane Additions to in Situ Generated N-Acyl Iminium Ions. Organic Letters, 2012, 14, 3624-3627.	2.4	18
72	Divergent Synthesis of Functionalized Carbocycles through Organosilane-Directed Asymmetric Alkyneâ€“Alkene Reductive Coupling and Annulation Sequence. Journal of the American Chemical Society, 2012, 134, 18440-18446.	6.6	20

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73	Total Synthesis of (â˜)-Virginiamycin M₂: Application of Crotylsilanes Accessed by Enantioselective Rh(II) or Cu(I) Promoted Carbenoid Siâ€“H Insertion. Journal of Organic Chemistry, 2011, 76, 9900-9918.	1.7	60
74	Sequential Transformations to Access Polycyclic Chemotypes: Asymmetric Crotylation and Metal Carbenoid Reactions. Angewandte Chemie - International Edition, 2011, 50, 5938-5942.	7.2	29
75	Total Synthesis of (â˜)â€Virginiamycinâ€¦M₂. Angewandte Chemie - International Edition, 2010, 49, 6165-6168.	7.2	37
76	Vinylogous Aldol Products from Chiral Crotylsilanes Obtained by Enantioselective Rh(II) and Cu(I) Carbenoid Siâ˜H Insertion. Organic Letters, 2010, 12, 2112-2115.	2.4	62