Jin Xie

List of Publications by Year
in descending order

104 papers	8,028 citations	41323 49 h-index	49868 87 g-index
128 all docs	128 docs citations	128 times ranked	4987 citing authors

#	Article	IF	Citations
1	The recent achievements of redox-neutral radical Câ€“C cross-coupling enabled by visible-light. Chemical Society Reviews, 2017, 46, 5193-5203.	18.7	413
2	Goldâ€Catalyzed Cï£¿H Annulation of Anthranils with Alkynes: A Facile, Flexible, and Atomâ€Economical Synthesis of Unprotected 7â€Acylindoles. Angewandte Chemie - International Edition, 2016, 55, 794-797.	7.2	278
3	Distal radical migration strategy: an emerging synthetic means. Chemical Society Reviews, 2018, 47, 654-667.	18.7	266
4	Goldâ€Catalyzed Highly Selective Photoredox C(sp²)â^'H Difluoroalkylation and Perfluoroalkylation of Hydrazones. Angewandte Chemie - International Edition, 2016, 55, 2934-2938.	7.2	250
5	Crossâ€Dehydrogenative Coupling Reactions by Transitionâ€Metal and Aminocatalysis for the Synthesis of Amino Acid Derivatives. Angewandte Chemie - International Edition, 2010, 49, 10181-10185.	7.2	246
6	Gold-catalyzed C(sp³)â€“H bond functionalization. Chemical Society Reviews, 2014, 43, 5245-5256.	18.7	237
7	Visibleâ€Lightâ€Induced Trifluoromethylation of Nâ€Aryl Acrylamides: A Convenient and Effective Method To Synthesize CF₃â€Containing Oxindoles Bearing a Quaternary Carbon Center. Chemistry - A European Journal, 2013, 19, 14039-14042.	1.7	236
8	A room temperature decarboxylation/Câ€“H functionalization cascade by visible-light photoredox catalysis. Chemical Communications, 2013, 49, 5672.	2.2	236
9	A Highly Efficient Goldâ€Catalyzed Photoredox Î±â€C(sp³)ï£¿H Alkynylation of Tertiary Aliphatic Amines with Sunlight. Angewandte Chemie - International Edition, 2015, 54, 6046-6050.	7.2	220
10	Light in Gold Catalysis. Chemical Reviews, 2021, 121, 8868-8925.	23.0	213
11	When Câ€“H bond functionalization meets visible-light photoredox catalysis. Tetrahedron Letters, 2014, 55, 36-48.	0.7	209
12	Goldâ€Catalyzed Synthesis of Quinolines from Propargyl Silyl Ethers and Anthranils through the Umpolung of a Gold Carbene Carbon. Angewandte Chemie - International Edition, 2016, 55, 12688-12692.	7.2	199
13	A general deoxygenation approach for synthesis of ketones from aromatic carboxylic acids and alkenes. Nature Communications, 2018, 9, 3517.	5.8	199
14	Metal-free, organocatalytic cascade formation of Câ€“N and Câ€“O bonds through dual sp³Câ€“H activation: oxidative synthesis of oxazole derivatives. Chemical Communications, 2012, 48, 979-981.	2.2	198
15	Monofluoroalkenylation of Dimethylamino Compounds through Radicalâ€“Radical Crossâ€Coupling. Angewandte Chemie - International Edition, 2016, 55, 9416-9421.	7.2	195
16	A Highly Efficient Goldâ€Catalyzed Oxidative Cï£¿C Coupling from Cï£¿H Bonds Using Air as Oxidant. Angewandte Chemie - International Edition, 2012, 51, 1252-1255.	7.2	175
17	Deoxygenative Deuteration of Carboxylic Acids with D₂O. Angewandte Chemie - International Edition, 2019, 58, 312-316.	7.2	172
18	Metal-free, highly efficient organocatalytic amination of benzylic Câ€“H bonds. Chemical Communications, 2013, 49, 3700.	2.2	152

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19	Copper-Catalyzed Cross Dehydrogenative Coupling Reactions of Tertiary Amines with Ketones or Indoles. Organic Letters, 2010, 12, 5214-5217.	2.4	133
20	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. Angewandte Chemie - International Edition, 2018, 57, 3990-3994.	7.2	121
21	Visible-Light-Promoted Radical Câ€“H Trifluoromethylation of Free Anilines. Organic Letters, 2014, 16, 1768-1771.	2.4	116
22	Photosensitizerâ€Free, Goldâ€Catalyzed Câ€“C Crossâ€Coupling of Boronic Acids and Diazonium Salts Enabled by Visible Light. Advanced Synthesis and Catalysis, 2017, 359, 1522-1528.	2.1	114
23	Photoredoxâ€Controlled Monoâ€and Diâ€Multifluoroarylation of C(sp³)â^'H Bonds with Aryl Fluorides. Angewandte Chemie - International Edition, 2017, 56, 7266-7270.	7.2	108
24	Exploration of Câ€“H Transformations of Aldehyde Hydrazones: Radical Strategies and Beyond. Accounts of Chemical Research, 2018, 51, 484-495.	7.6	106
25	A visible-light-promoted aerobic Câ€“H/Câ€“N cleavage cascade to isoxazolidine skeletons. Chemical Science, 2013, 4, 1281.	3.7	104
26	Cooperative Au/Ag Dual-Catalyzed Cross-Dehydrogenative Biaryl Coupling: Reaction Development and Mechanistic Insight. Journal of the American Chemical Society, 2019, 141, 3187-3197.	6.6	101
27	Manganese-catalysed divergent silylation of alkenes. Nature Chemistry, 2021, 13, 182-190.	6.6	98
28	Intermolecular Photocatalyzed Heckâ€like Coupling of Unactivated Alkyl Bromides by a Dinuclear Gold Complex. Chemistry - A European Journal, 2016, 22, 12646-12650.	1.7	97
29	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. Angewandte Chemie - International Edition, 2018, 57, 10357-10361.	7.2	91
30	Highly efficient visible-light-induced aerobic oxidative Câ€“C, Câ€“P coupling from Câ€“H bonds catalyzed by a gold(iii)-complex. Organic and Biomolecular Chemistry, 2013, 11, 1606.	1.5	90
31	Lightâ€Induced Goldâ€Catalyzed Hiyama Arylation: A Coupling Access to Biarylboronates. Angewandte Chemie - International Edition, 2018, 57, 16648-16653.	7.2	90
32	A Scalable, Efficient Goldâ€Catalyzed Oxidative Phosphonation of sp³ Cï£¿H Bonds using Air as Sustainable Oxidant. Advanced Synthesis and Catalysis, 2012, 354, 1646-1650.	2.1	88
33	Î±-Imino Gold Carbenes from 1,2,4-Oxadiazoles: Atom-Economical Access to Fully Substituted 4-Aminoimidazoles. Organic Letters, 2017, 19, 1020-1023.	2.4	88
34	Dinuclear gold catalysis. Chemical Society Reviews, 2021, 50, 1874-1912.	18.7	84
35	Metal-Free, n-Bu₄NI-Catalyzed Regioselective Difunctionalization of Unactivated Alkenes. ACS Catalysis, 2013, 3, 1365-1368.	5.5	82
36	Upgrading ketone synthesis direct from carboxylic acids and organohalides. Nature Communications, 2020, 11, 3312.	5.8	65

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37	Selective Hydroarylation of 1,3â€Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of Zâ€Enynes. Angewandte Chemie - International Edition, 2018, 57, 12906-12910.	7.2	63
38	Late-stage trifluoromethylthiolation of benzylic C-H bonds. Nature Communications, 2019, 10, 4867.	5.8	61
39	Goldâ€katalysierte Synthese von Chinolinen aus Propargylsilylethern und Anthranilen Ã¼ber die Umpolung eines Goldcarbenâ€Kohlenstoffatoms. Angewandte Chemie, 2016, 128, 12880-12884.	1.6	59
40	The cascade carbo-carbonylation of unactivated alkenes catalyzed by an organocatalyst and a transition metal catalyst: a facile approach to Î³-diketones and Î³-carbonyl aldehydes from arylalkenes under air. Chemical Communications, 2010, 46, 1947-1949.	2.2	58
41	Highly selective synthesis of all-carbon tetrasubstituted alkenes by deoxygenative alkenylation of carboxylic acids. Nature Communications, 2022, 13, 10.	5.8	58
42	Gold-Catalyzed Oxidative Biaryl Cross-Coupling of Organometallics. CheM, 2019, 5, 2718-2730.	5.8	56
43	Site-specific Umpolung amidation of carboxylic acids via triplet synergistic catalysis. Nature Communications, 2021, 12, 4637.	5.8	56
44	Goldâ€katalysierte hochselektive Photoredoxâ€C(sp²)â€Hâ€Difluoralkylierung und â€Perfluoralkylierung von Hydrazonen. Angewandte Chemie, 2016, 128, 2987-2991.	1.6	55
45	Metal-free n-Bu4NI-catalyzed direct synthesis of amides from alcohols and N,N-disubstituted formamides. Tetrahedron Letters, 2012, 53, 6479-6482.	0.7	51
46	Monofluoralkenylierung von Dimethylaminoverbindungen durch Radikalâ€Radikalâ€Kreuzkupplung. Angewandte Chemie, 2016, 128, 9563-9568.	1.6	51
47	Donor-acceptor type [4+3] covalent organic frameworks: sub-stoichiometric synthesis and photocatalytic application. Science China Chemistry, 2020, 63, 707-714.	4.2	49
48	Steric Engineering Enables Efficient and Photostable Wideâ€Bandgap Perovskites for Allâ€Perovskite Tandem Solar Cells. Advanced Materials, 2022, 34, e2110356.	11.1	48
49	A general photoinduced electron transfer-directed chemoselective perfluoroalkylation of N,N-dialkylhydrazones. Organic Chemistry Frontiers, 2016, 3, 841-845.	2.3	47
50	Deoxygenative Arylation of Carboxylic Acids by Aryl Migration. Chemistry - A European Journal, 2019, 25, 12724-12729.	1.7	47
51	Photoredox 1,2-dicarbofunctionalization of unactivated alkenes via tandem radical difluoroalkylation and alkynyl migration. Organic Chemistry Frontiers, 2018, 5, 797-800.	2.3	46
52	Photoredoxâ€Controlled Î²â€Regioselective Radical Hydroboration of Activated Alkenes with NHCâ€Boranes. Angewandte Chemie - International Edition, 2020, 59, 12817-12821.	7.2	46
53	Photoredox and cobalt co-catalyzed C(sp²)â€“H functionalization/Câ€“O bond formation for synthesis of lactones under oxidant- and acceptor-free conditions. Organic Chemistry Frontiers, 2018, 5, 749-752.	2.3	44
54	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. Angewandte Chemie, 2018, 130, 4054-4058.	1.6	42

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55	Photoredox Divergent 1,2-Difunctionalization of Alkenes with gem-Dibromides. Organic Letters, 2017, 19, 6452-6455.	2.4	39
56	Deoxygenative Deuteration of Carboxylic Acids with D₂O. Angewandte Chemie, 2019, 131, 318-322.	1.6	38
57	Rhenium-Catalyzed Acceptorless Dehydrogenative Coupling via Dual Activation of Alcohols and Carbonyl Compounds. ACS Catalysis, 2013, 3, 2195-2198.	5.5	37
58	CO-enabled rhenium hydride catalyst for directed C(sp²)â€“H bond alkylation with olefins. Organic Chemistry Frontiers, 2015, 2, 378-382.	2.3	37
59	Photoredoxâ€gesteuerte Monoâ€•und Diâ€Multifluorarylierung von C(sp³)â€Hâ€Bindungen mit Arylfluoriden. Angewandte Chemie, 2017, 129, 7372-7376.	1.6	36
60	A highly selective decarboxylative deuteration of carboxylic acids. Chemical Science, 2021, 12, 5505-5510.	3.7	36
61	Photoinduced manganese-catalysed hydrofluorocarbofunctionalization of alkenes. , 2022, 1, 475-486.		36
62	Lightâ€Induced Goldâ€Catalyzed Hiyama Arylation: A Coupling Access to Biarylboronates. Angewandte Chemie, 2018, 130, 16890-16895.	1.6	35
63	A Highly Efficient Dimeric Manganeseâ€Catalyzed Selective Hydroarylation of Internal Alkynes. Angewandte Chemie - International Edition, 2020, 59, 12789-12794.	7.2	35
64	Goldâ€Catalyzed Dimerization of Diarylalkynes: Direct Access to Azulenes. Angewandte Chemie - International Edition, 2018, 57, 12966-12970.	7.2	34
65	Recent advances of dinuclear nickel- and palladium-complexes in homogeneous catalysis. Chemical Communications, 2020, 56, 8524-8536.	2.2	34
66	Dimeric Manganeseâ€Catalyzed Hydroarylation and Hydroalkenylation of Unsaturated Amides. Angewandte Chemie - International Edition, 2020, 59, 8430-8434.	7.2	34
67	A Goldâ€Catalyzed A3 Coupling/Cyclization/Elimination Sequence as Versatile Tool for the Synthesis of Furfuryl Alcohol Derivatives from Glyceraldehyde and Alkynes. Advanced Synthesis and Catalysis, 2016, 358, 207-211.	2.1	33
68	Decarboxylative tandem C-N coupling with nitroarenes via SH2 mechanism. Nature Communications, 2022, 13, 2432.	5.8	32
69	Copperâ€Catalyzed Radical Silylarylation of Ynones with Silanes: En Route to Silylâ€Functionalized Indenones. Advanced Synthesis and Catalysis, 2017, 359, 4153-4157.	2.1	31
70	Highly selective electrocatalytic oxidation of benzyl Câ€“H using water as safe and sustainable oxygen source. Green Chemistry, 2020, 22, 7543-7551.	4.6	31
71	The Au(iii)-catalyzed coupling reactions between alcohols and N-heterocycles via Câ€“H bond activation. RSC Advances, 2012, 2, 10496.	1.7	23
72	Intermolecular Desymmetrizing Goldâ€Catalyzed Yneâ€“Yne Reaction of Pushâ€“Pull Diarylalkynes. Chemistry - A European Journal, 2018, 24, 3725-3728.	1.7	23

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73	Manganese(I)-Catalyzed Selective Functionalization of Alkynes. Synlett, 2019, 30, 124-128.	1.0	23
74	Harnessing sunlight without a photosensitizer for highly efficient consecutive [3+2]/[4+2] annulation to synthesize fused benzobicyclic skeletons. Chemical Communications, 2017, 53, 10707-10710.	2.2	20
75	Visible-Light-Mediated Deoxyalkynylation of Activated Tertiary Alcohols. Journal of Organic Chemistry, 2021, 86, 12386-12393.	1.7	20
76	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. Angewandte Chemie, 2018, 130, 10514-10518.	1.6	19
77	Dinuclear gold-catalyzed C-H bond functionalization of cyclopropenes. Science China Chemistry, 2021, 64, 1958-1963.	4.2	18
78	Decarboxylative Acylation of Carboxylic Acids: Reaction Investigation and Mechanistic Study. CCS Chemistry, 2022, 4, 2469-2480.	4.6	18
79	Manganeseâ€Catalyzed Hydrocarbofunctionalization of Internal Alkenes â€. Chinese Journal of Chemistry, 2020, 38, 1497-1502.	2.6	17
80	Novel tripodal chelating ligand for appending and encapsulating metal ions. Crystal structure of a parachute-like hydrogen bonded complex. Chemical Communications, 2000, , 1429-1430.	2.2	16
81	Efficient and Highly Enantioselective Michael Addition of Aldehydes to Nitroalkenes Catalyzed by a Surfactant-type Organocatalyst in the Presence of Water. Chemistry Letters, 2010, 39, 412-414.	0.7	16
82	Relay photocatalytic cascade reactions: synthesis of indolo[2,1-a]isoquinoline derivatives via double C(sp³)â€“H bond functionalization. Chemical Communications, 2018, 54, 1655-1658.	2.2	16
83	Sustainable C(sp3)-H Bond Functionalization. Springer Briefs in Molecular Science, 2016, , .	0.1	15
84	Selective Hydroarylation of 1,3â€Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of Zâ€Enynes. Angewandte Chemie, 2018, 130, 13088-13092.	1.6	15
85	Photoredox/nickel-catalyzed hydroacylation of ethylene with aromatic acids. Chemical Communications, 2021, 57, 9064-9067.	2.2	15
86	Opportunities and challenges of visible-light-driven triple-synergistic catalysis. Chem Catalysis, 2022, 2, 458-467.	2.9	15
87	Photoredox organocatalytic Î±-amino C(sp³)â€“H functionalization for the synthesis of 5-membered heterocyclic Î³-amino acid derivatives. Organic Chemistry Frontiers, 2017, 4, 2433-2436.	2.3	14
88	<scp>Manganeseâ€Catalyzed Antiâ€Markovnikov</scp> Hydroarylation of Enamides: Modular Synthesis of Arylethylamines. Chinese Journal of Chemistry, 0, , .	2.6	13
89	Direkter Zugang zu Azulenen Ã¼ber eine Goldâ€katalysierte Dimerisierung von Diarylalkinen. Angewandte Chemie, 2018, 130, 13148-13152.	1.6	12
90	Photoinduced Atom-Economical Iterative Hydrotrifluoromethylation of Terminal Alkynes and Remote C(sp³)-H Functionalization. Chinese Journal of Organic Chemistry, 2019, 39, 1613.	0.6	12

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91	Predictable site-selective radical fluorination of tertiary ethers. Science China Chemistry, 2020, 63, 187-191.	4.2	11
92	Thiocarbamoyl Fluoride Synthesis by Deconstructive Diversification of Arylated Tetrahydroisoquinolines. Journal of Organic Chemistry, 2021, 86, 12443-12451.	1.7	10
93	Photoredoxâ€Controlled Î²â€Regioselective Radical Hydroboration of Activated Alkenes with NHCâ€Boranes. Angewandte Chemie, 2020, 132, 12917-12921.	1.6	9
94	Tertiary Amine Synthesis by Radical Carbonyl Alkylative Amination. CheM, 2020, 6, 1053-1055.	5.8	8
95	Visible-light-mediated amidation from carboxylic acids and tertiary amines via Câ€“N cleavage. Chemical Communications, 2022, 58, 5873-5876.	2.2	8
96	Nickel-catalyzed Thioester Transfer Reaction with sp²-Hybridized Electrophiles. Journal of Organic Chemistry, 2022, 87, 10003-10017.	1.7	6
97	Dimeric Manganeseâ€Catalyzed Hydroarylation and Hydroalkenylation of Unsaturated Amides. Angewandte Chemie, 2020, 132, 8508-8512.	1.6	5
98	Direct Deoxygenative Intramolecular Acylation of Biarylcarboxylic Acids. Synlett, 2021, 32, 387-390.	1.0	5
99	Recent Advances in Non-directed C(sp3)â€“H Bond Functionalization. Springer Briefs in Molecular Science, 2016, , 25-59.	0.1	4
100	Noncovalent Interaction- and Steric Effect-Controlled Regiodivergent Selectivity in Dimeric Manganese-Catalyzed Hydroarylation of Internal Alkynes: A Computational Study. Journal of Organic Chemistry, 2022, 87, 4215-4225.	1.7	4
101	A Highly Efficient Dimeric Manganeseâ€Catalyzed Selective Hydroarylation of Internal Alkynes. Angewandte Chemie, 2020, 132, 12889-12894.	1.6	3
102	Transition Metal-Catalyzed, Directing Group-Assisted C(sp3)â€“H Bond Functionalization. Springer Briefs in Molecular Science, 2016, , 1-23.	0.1	1
103	Functionalization of C(sp3)â€“H Bond by Visible-Light Photoredox Catalysis. Springer Briefs in Molecular Science, 2016, , 61-81.	0.1	1
104	Chiral Al-Complex Remote-Controlled Ni-Catalyzed Enantioselective Construction of Indenes. Chinese Journal of Organic Chemistry, 2020, 40, 1396.	0.6	1