

Jin Xie

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

5,983
citations

42
h-index

76
g-index

128
ext. papers

7,007
ext. citations

10.6
avg, IF

6.47
L-index

#	Paper	IF	Citations
101	The recent achievements of redox-neutral radical C-C cross-coupling enabled by visible-light. <i>Chemical Society Reviews</i> , 2017 , 46, 5193-5203	58.5	324
100	Gold-Catalyzed C-H Annulation of Anthranils with Alkynes: A Facile, Flexible, and Atom-Economical Synthesis of Unprotected 7-Acylindoles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 794-7	16.4	236
99	Cross-dehydrogenative coupling reactions by transition-metal and aminocatalysis for the synthesis of amino acid derivatives. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10181-5	16.4	224
98	Visible-light-induced trifluoromethylation of N-aryl acrylamides: a convenient and effective method to synthesize CF ₃ -containing oxindoles bearing a quaternary carbon center. <i>Chemistry - A European Journal</i> , 2013 , 19, 14039-42	4.8	218
97	Gold-Catalyzed Highly Selective Photoredox C(sp ²)-H Difluoroalkylation and Perfluoroalkylation of Hydrazones. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2934-8	16.4	215
96	Gold-catalyzed C(sp ³)-H bond functionalization. <i>Chemical Society Reviews</i> , 2014 , 43, 5245-56	58.5	205
95	A room temperature decarboxylation/C-H functionalization cascade by visible-light photoredox catalysis. <i>Chemical Communications</i> , 2013 , 49, 5672-4	5.8	205
94	Distal radical migration strategy: an emerging synthetic means. <i>Chemical Society Reviews</i> , 2018 , 47, 654-667	66.7	195
93	When C-H bond functionalization meets visible-light photoredox catalysis. <i>Tetrahedron Letters</i> , 2014 , 55, 36-48	2	192
92	Metal-free, organocatalytic cascade formation of C-N and C-O bonds through dual sp ³ C-H activation: oxidative synthesis of oxazole derivatives. <i>Chemical Communications</i> , 2012 , 48, 979-81	5.8	181
91	A Highly Efficient Gold-Catalyzed Photoredox C(sp ³)-H Alkynylation of Tertiary Aliphatic Amines with Sunlight. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6046-50	16.4	180
90	Gold-Catalyzed Synthesis of Quinolines from Propargyl Silyl Ethers and Anthranils through the Umpolung of a Gold Carbene Carbon. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12688-92	16.4	178
89	A highly efficient gold-catalyzed oxidative C-C coupling from C-H bonds using air as oxidant. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1252-5	16.4	161
88	Monofluoroalkenylation of Dimethylamino Compounds through Radical-Radical Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9416-21	16.4	153
87	Metal-free, highly efficient organocatalytic amination of benzylic C-H bonds. <i>Chemical Communications</i> , 2013 , 49, 3700-2	5.8	137
86	Copper-catalyzed cross dehydrogenative coupling reactions of tertiary amines with ketones or indoles. <i>Organic Letters</i> , 2010 , 12, 5214-7	6.2	125
85	A general deoxygenation approach for synthesis of ketones from aromatic carboxylic acids and alkenes. <i>Nature Communications</i> , 2018 , 9, 3517	17.4	116

84	Deoxygenative Deuteration of Carboxylic Acids with D ₂ O. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 312-316	16.4	103
83	Visible-light-promoted radical C-H trifluoromethylation of free anilines. <i>Organic Letters</i> , 2014 , 16, 1768-1771	16.2	101
82	Photosensitizer-Free, Gold-Catalyzed C≡C Cross-Coupling of Boronic Acids and Diazonium Salts Enabled by Visible Light. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 1522-1528	5.6	98
81	A visible-light-promoted aerobic C≡C/C≡N cleavage cascade to isoxazolidine skeletons. <i>Chemical Science</i> , 2013 , 4, 1281	9.4	96
80	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3990-3994	16.4	88
79	Highly efficient visible-light-induced aerobic oxidative C-C, C-P coupling from C-H bonds catalyzed by a gold(III)-complex. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1606-9	3.9	82
78	Intermolecular Photocatalyzed Heck-like Coupling of Unactivated Alkyl Bromides by a Dinuclear Gold Complex. <i>Chemistry - A European Journal</i> , 2016 , 22, 12646-50	4.8	81
77	A Scalable, Efficient Gold-Catalyzed Oxidative Phosphonation of sp ³ C-H Bonds using Air as Sustainable Oxidant. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1646-1650	5.6	80
76	β-Amino Gold Carbenes from 1,2,4-Oxadiazoles: Atom-Economical Access to Fully Substituted 4-Aminoimidazoles. <i>Organic Letters</i> , 2017 , 19, 1020-1023	6.2	77
75	Exploration of C-H Transformations of Aldehyde Hydrazones: Radical Strategies and Beyond. <i>Accounts of Chemical Research</i> , 2018 , 51, 484-495	24.3	77
74	Photoredox-Controlled Mono- and Di-Multifluoroarylation of C(sp ³)-H Bonds with Aryl Fluorides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7266-7270	16.4	74
73	Metal-Free, n-Bu ₄ N ⁺ -Catalyzed Regioselective Difunctionalization of Unactivated Alkenes. <i>ACS Catalysis</i> , 2013 , 3, 1365-1368	13.1	73
72	Goldkatalysierte C-H-Alkylierung von Anthranilen mit Alkinen: flexible, atomökonomische Synthese ungeschützter 7-Acylindole. <i>Angewandte Chemie</i> , 2016 , 128, 804-808	3.6	69
71	Light-Induced Gold-Catalyzed Miyaura Arylation: A Coupling Access to Biarylboronates. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16648-16653	16.4	66
70	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10357-10361	16.4	65
69	Cross-Dehydrogenative Coupling Reactions by Transition-Metal and Aminocatalysis for the Synthesis of Amino Acid Derivatives. <i>Angewandte Chemie</i> , 2010 , 122, 10379-10383	3.6	60
68	Light in Gold Catalysis. <i>Chemical Reviews</i> , 2021 , 121, 8868-8925	68.1	58
67	Gold-katalysierte Synthese von Chinolinen aus Propargylsilylthern und Anthranilen über die Umpolung eines Goldcarben-Kohlenstoffatoms. <i>Angewandte Chemie</i> , 2016 , 128, 12880-12884	3.6	57

66	Cooperative Au/Ag Dual-Catalyzed Cross-Dehydrogenative Biaryl Coupling: Reaction Development and Mechanistic Insight. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3187-3197	16.4	55
65	Gold-katalysierte hochselektive Photoredox-C(sp ²)-H-Difluoralkylierung und -Perfluoralkylierung von Hydrazonen. <i>Angewandte Chemie</i> , 2016 , 128, 2987-2991	3.6	54
64	A Highly Efficient Gold-Catalyzed Oxidative C-C Coupling from C-H Bonds Using Air as Oxidant. <i>Angewandte Chemie</i> , 2012 , 124, 1278-1281	3.6	50
63	Eine hocheffiziente Gold-katalysierte Photoredox-C(sp ³)-H-Alkinylierung von tertiären aliphatischen Aminen durch Sonnenlicht. <i>Angewandte Chemie</i> , 2015 , 127, 6144-6148	3.6	49
62	Metal-free n-Bu ₄ NI-catalyzed direct synthesis of amides from alcohols and N,N-disubstituted formamides. <i>Tetrahedron Letters</i> , 2012 , 53, 6479-6482	2	49
61	Monofluoralkenylierung von Dimethylaminoverbindungen durch Radikal-Radikal-Kreuzkupplung. <i>Angewandte Chemie</i> , 2016 , 128, 9563-9568	3.6	48
60	The cascade carbo-carbonylation of unactivated alkenes catalyzed by an organocatalyst and a transition metal catalyst: a facile approach to gamma-diketones and gamma-carbonyl aldehydes from arylalkenes under air. <i>Chemical Communications</i> , 2010 , 46, 1947-9	5.8	48
59	Selective Hydroarylation of 1,3-Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of Z-Enynes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12906-12910	16.4	41
58	A general photoinduced electron transfer-directed chemoselective perfluoroalkylation of N,N-dialkylhydrazones. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 841-845	5.2	40
57	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. <i>Angewandte Chemie</i> , 2018 , 130, 4054-4058	3.6	37
56	Manganese-catalysed divergent silylation of alkenes. <i>Nature Chemistry</i> , 2021 , 13, 182-190	17.6	37
55	Late-stage trifluoromethylthiolation of benzylic C-H bonds. <i>Nature Communications</i> , 2019 , 10, 4867	17.4	34
54	CO-enabled rhenium hydride catalyst for directed C(sp ²)-H bond alkylation with olefins. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 378-382	5.2	34
53	Photoredox and cobalt co-catalyzed C(sp ²)-H functionalization/C-O bond formation for synthesis of lactones under oxidant- and acceptor-free conditions. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 749-752	5.2	33
52	Upgrading ketone synthesis direct from carboxylic acids and organohalides. <i>Nature Communications</i> , 2020 , 11, 3312	17.4	32
51	Rhenium-Catalyzed Acceptorless Dehydrogenative Coupling via Dual Activation of Alcohols and Carbonyl Compounds. <i>ACS Catalysis</i> , 2013 , 3, 2195-2198	13.1	32
50	Photoredox 1,2-dicarbonylfunctionalization of unactivated alkenes via tandem radical difluoroalkylation and alkynyl migration. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 797-800	5.2	30
49	Light-Induced Gold-Catalyzed Miyaura Arylation: A Coupling Access to Biarylboronates. <i>Angewandte Chemie</i> , 2018 , 130, 16890-16895	3.6	30

48	Deoxygenative Arylation of Carboxylic Acids by Aryl Migration. <i>Chemistry - A European Journal</i> , 2019 , 25, 12724-12729	4.8	29
47	Photoredox Divergent 1,2-Difunctionalization of Alkenes with gem-Dibromides. <i>Organic Letters</i> , 2017 , 19, 6452-6455	6.2	29
46	Photoredox-gesteuerte Mono- und Di-Multifluorarylierung von C(sp ³)-H-Bindungen mit Arylfluoriden. <i>Angewandte Chemie</i> , 2017 , 129, 7372-7376	3.6	28
45	Gold-Catalyzed Oxidative Biaryl Cross-Coupling of Organometallics. <i>Chem</i> , 2019 , 5, 2718-2730	16.2	27
44	A Gold-Catalyzed A3 Coupling/Cyclization/Elimination Sequence as Versatile Tool for the Synthesis of Furfuryl Alcohol Derivatives from Glyceraldehyde and Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 207-211	5.6	26
43	Donor-acceptor type [4+3] covalent organic frameworks: sub-stoichiometric synthesis and photocatalytic application. <i>Science China Chemistry</i> , 2020 , 63, 707-714	7.9	24
42	Photoredox-Controlled Regioselective Radical Hydroboration of Activated Alkenes with NHC-Boranes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12817-12821	16.4	24
41	Gold-Catalyzed Dimerization of Diarylalkynes: Direct Access to Azulenes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12966-12970	16.4	24
40	Copper-Catalyzed Radical Silylation of Ynones with Silanes: En Route to Silyl-Functionalized Indenones. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 4153-4157	5.6	23
39	Deoxygenative Deuteration of Carboxylic Acids with D ₂ O. <i>Angewandte Chemie</i> , 2019 , 131, 318-322	3.6	22
38	The Au(III)-catalyzed coupling reactions between alcohols and N-heterocycles via C-H bond activation. <i>RSC Advances</i> , 2012 , 2, 10496	3.7	20
37	Dinuclear gold catalysis. <i>Chemical Society Reviews</i> , 2021 , 50, 1874-1912	58.5	20
36	Intermolecular Desymmetrizing Gold-Catalyzed Yne-Yne Reaction of Push-Pull Diarylalkynes. <i>Chemistry - A European Journal</i> , 2018 , 24, 3725-3728	4.8	19
35	Dimeric Manganese-Catalyzed Hydroarylation and Hydroalkenylation of Unsaturated Amides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8430-8434	16.4	17
34	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. <i>Angewandte Chemie</i> , 2018 , 130, 10514-10518	3.6	17
33	Recent advances of dinuclear nickel- and palladium-complexes in homogeneous catalysis. <i>Chemical Communications</i> , 2020 , 56, 8524-8536	5.8	16
32	Harnessing sunlight without a photosensitizer for highly efficient consecutive [3+2]/[4+2] annulation to synthesize fused benzobicyclic skeletons. <i>Chemical Communications</i> , 2017 , 53, 10707-10710	5.8	16
31	Novel tripodal chelating ligand for appending and encapsulating metal ions. Crystal structure of a parachute-like hydrogen bonded complex. <i>Chemical Communications</i> , 2000 , 1429-1430	5.8	15

30	A highly selective decarboxylative deuteration of carboxylic acids. <i>Chemical Science</i> , 2021 , 12, 5505-5510.	9.4	14
29	A Highly Efficient Dimeric Manganese-Catalyzed Selective Hydroarylation of Internal Alkynes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12789-12794	16.4	13
28	Efficient and Highly Enantioselective Michael Addition of Aldehydes to Nitroalkenes Catalyzed by a Surfactant-type Organocatalyst in the Presence of Water. <i>Chemistry Letters</i> , 2010 , 39, 412-414	1.7	13
27	Manganese(I)-Catalyzed Selective Functionalization of Alkynes. <i>Synlett</i> , 2019 , 30, 124-128	2.2	13
26	Site-specific Umpolung amidation of carboxylic acids via triplet synergistic catalysis. <i>Nature Communications</i> , 2021 , 12, 4637	17.4	13
25	Relay photocatalytic cascade reactions: synthesis of indolo[2,1-a]isoquinoline derivatives via double C(sp)-H bond functionalization. <i>Chemical Communications</i> , 2018 , 54, 1655-1658	5.8	11
24	Sustainable C(sp ³)-H Bond Functionalization. <i>Springer Briefs in Molecular Science</i> , 2016 ,	0.6	11
23	Selective Hydroarylation of 1,3-Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of Z-Enynes. <i>Angewandte Chemie</i> , 2018 , 130, 13088-13092	3.6	11
22	Photoredox organocatalytic amino C(sp ³)-H functionalization for the synthesis of 5-membered heterocyclic amino acid derivatives. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 2433-2436	5.2	11
21	Highly selective electrocatalytic oxidation of benzyl C-H using water as safe and sustainable oxygen source. <i>Green Chemistry</i> , 2020 , 22, 7543-7551	10	9
20	Photoinduced Atom-Economical Iterative Hydrotrifluoromethylation of Terminal Alkynes and Remote C(sp ³)-H Functionalization. <i>Chinese Journal of Organic Chemistry</i> , 2019 , 39, 1613	3	7
19	Steric Engineering Enables Efficient and Photostable wide-bandgap Perovskites for all-perovskite Tandem Solar Cells.. <i>Advanced Materials</i> , 2022 , e2110356	24	7
18	Photoredox-Controlled Regioselective Radical Hydroboration of Activated Alkenes with NHC-Boranes. <i>Angewandte Chemie</i> , 2020 , 132, 12917-12921	3.6	6
17	Direkter Zugang zu Azulenen über eine Gold-katalysierte Dimerisierung von Diarylalkinen. <i>Angewandte Chemie</i> , 2018 , 130, 13148-13152	3.6	6
16	Dimeric Manganese-Catalyzed Hydroarylation and Hydroalkenylation of Unsaturated Amides. <i>Angewandte Chemie</i> , 2020 , 132, 8508-8512	3.6	5
15	Predictable site-selective radical fluorination of tertiary ethers. <i>Science China Chemistry</i> , 2020 , 63, 187-191.	19	5
14	Visible-Light-Mediated Deoxyalkynylation of Activated Tertiary Alcohols. <i>Journal of Organic Chemistry</i> , 2021 , 86, 12386-12393	4.2	5
13	Tertiary Amine Synthesis by Radical Carbonyl Alkylative Amination. <i>Chem</i> , 2020 , 6, 1053-1055	16.2	4

12	Recent Advances in Non-directed C(sp ³) _H Bond Functionalization. <i>Springer Briefs in Molecular Science</i> , 2016 , 25-59	0.6	4
11	Manganese-Catalyzed Hydrocarbofunctionalization of Internal Alkenes. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1497-1502	4.9	4
10	Direct Deoxygenative Intramolecular Acylation of Biarylcarboxylic Acids. <i>Synlett</i> , 2021 , 32, 387-390	2.2	4
9	Highly selective synthesis of all-carbon tetrasubstituted alkenes by deoxygenative alkenylation of carboxylic acids. <i>Nature Communications</i> , 2022 , 13, 10	17.4	3
8	A Highly Efficient Dimeric Manganese-Catalyzed Selective Hydroarylation of Internal Alkynes. <i>Angewandte Chemie</i> , 2020 , 132, 12889-12894	3.6	2
7	Photoredox/nickel-catalyzed hydroacylation of ethylene with aromatic acids. <i>Chemical Communications</i> , 2021 , 57, 9064-9067	5.8	2
6	Thiocarbamoyl Fluoride Synthesis by Deconstructive Diversification of Arylated Tetrahydroisoquinolines. <i>Journal of Organic Chemistry</i> , 2021 , 86, 12443-12451	4.2	2
5	Decarboxylative tandem C-N coupling with nitroarenes via S ₂ mechanism. <i>Nature Communications</i> , 2022 , 13, 2432	17.4	2
4	Functionalization of C(sp ³) _H Bond by Visible-Light Photoredox Catalysis. <i>Springer Briefs in Molecular Science</i> , 2016 , 61-81	0.6	1
3	Dinuclear gold-catalyzed C-H bond functionalization of cyclopropenes. <i>Science China Chemistry</i> , 2021 , 64, 1243-1248	7.9	1
2	Decarboxylative Acylation of Carboxylic Acids: Reaction Investigation and Mechanistic Study. <i>CCS Chemistry</i> , 2021 , 3, 2581-2592	7.2	1
1	Transition Metal-Catalyzed, Directing Group-Assisted C(sp ³) _H Bond Functionalization. <i>Springer Briefs in Molecular Science</i> , 2016 , 1-23	0.6	0