Jin Xie

List of Publications by Year in Descending Order

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	Highly selective synthesis of all-carbon tetrasubstituted alkenes by deoxygenative alkenylation of carboxylic acids.. *Nature Communications*, **2022**, 13, 10	17.4	3
100	Steric Engineering Enables Efficient and Photostable wide-bandgap Perovskites for all-perovskite Tandem Solar Cells.. *Advanced Materials*, **2022**, e2110356	24	7
99	Decarboxylative tandem C-N coupling with nitroarenes via S2 mechanism.. *Nature Communications*, **2022**, 13, 2432	17.4	2
98	Manganese-catalysed divergent silylation of alkenes. *Nature Chemistry*, **2021**, 13, 182-190	17.6	37
97	Dinuclear gold catalysis. *Chemical Society Reviews*, **2021**, 50, 1874-1912	58.5	20
96	Direct Deoxygenative Intramolecular Acylation of Biarylcarboxylic Acids. *Synlett*, **2021**, 32, 387-390	2.2	4
95	Light in Gold Catalysis. *Chemical Reviews*, **2021**, 121, 8868-8925	68.1	58
94	A highly selective decarboxylative deuteration of carboxylic acids. *Chemical Science*, **2021**, 12, 5505-5510	9.4	14
93	Photoredox/nickel-catalyzed hydroacylation of ethylene with aromatic acids. *Chemical Communications*, **2021**, 57, 9064-9067	5.8	2
92	Site-specific Umpolung amidation of carboxylic acids via triplet synergistic catalysis. *Nature Communications*, **2021**, 12, 4637	17.4	13
91	Thiocarbamoyl Fluoride Synthesis by Deconstructive Diversification of Arylated Tetrahydroisoquinolines. *Journal of Organic Chemistry*, **2021**, 86, 12443-12451	4.2	2
90	Visible-Light-Mediated Deoxyalkynylation of Activated Tertiary Alcohols. *Journal of Organic Chemistry*, **2021**, 86, 12386-12393	4.2	5
89	Dimeric Manganese-Catalyzed Hydroarylation and Hydroalkenylation of Unsaturated Amides. *Angewandte Chemie*, **2020**, 132, 8508-8512	3.6	5
88	Photoredox-Controlled ‡Regioselective Radical Hydroboration of Activated Alkenes with NHC-Boranes. *Angewandte Chemie*, **2020**, 132, 12917-12921	3.6	6
87	Tertiary Amine Synthesis by Radical Carbonyl Alkylative Amination. *CheM*, **2020**, 6, 1053-1055	16.2	4
86	Recent advances of dinuclear nickel- and palladium-complexes in homogeneous catalysis. *Chemical Communications*, **2020**, 56, 8524-8536	5.8	16
85	Dimeric Manganese-Catalyzed Hydroarylation and Hydroalkenylation of Unsaturated Amides. *Angewandte Chemie - International Edition*, **2020**, 59, 8430-8434	16.4	17

84	Upgrading ketone synthesis direct from carboxylic acids and organohalides. *Nature Communications*, **2020**, 11, 3312	17.4	32
83	Donor-acceptor type [4+3] covalent organic frameworks: sub-stoichiometric synthesis and photocatalytic application. *Science China Chemistry*, **2020**, 63, 707-714	7.9	24
82	A Highly Efficient Dimeric Manganese-Catalyzed Selective Hydroarylation of Internal Alkynes. *Angewandte Chemie - International Edition*, **2020**, 59, 12789-12794	16.4	13
81	A Highly Efficient Dimeric Manganese-Catalyzed Selective Hydroarylation of Internal Alkynes. *Angewandte Chemie*, **2020**, 132, 12889-12894	3.6	2
80	Photoredox-Controlled Regioselective Radical Hydroboration of Activated Alkenes with NHC-Boranes. *Angewandte Chemie - International Edition*, **2020**, 59, 12817-12821	16.4	24
79	Predictable site-selective radical fluorination of tertiary ethers. *Science China Chemistry*, **2020**, 63, 187-191	7.9	5
78	Highly selective electrocatalytic oxidation of benzyl CH using water as safe and sustainable oxygen source. *Green Chemistry*, **2020**, 22, 7543-7551	10	9
77	Manganese-Catalyzed Hydrocarbofunctionalization of Internal Alkenes *Chinese Journal of Chemistry*, **2020**, 38, 1497-1502	4.9	4
76	Cooperative Au/Ag Dual-Catalyzed Cross-Dehydrogenative Biaryl Coupling: Reaction Development and Mechanistic Insight. *Journal of the American Chemical Society*, **2019**, 141, 3187-3197	16.4	55
75	Deoxygenative Arylation of Carboxylic Acids by Aryl Migration. *Chemistry - A European Journal*, **2019**, 25, 12724-12729	4.8	29
74	Late-stage trifluoromethylthiolation of benzylic C-H bonds. *Nature Communications*, **2019**, 10, 4867	17.4	34
73	Gold-Catalyzed Oxidative Biaryl Cross-Coupling of Organometallics. *CheM*, **2019**, 5, 2718-2730	16.2	27
72	Photoinduced Atom-Economical Iterative Hydrotrifluoromethylation of Terminal Alkynes and Remote C(sp3)-H Functionalization. *Chinese Journal of Organic Chemistry*, **2019**, 39, 1613	3	7
71	Deoxygenative Deuteration of Carboxylic Acids with D O. *Angewandte Chemie - International Edition*, **2019**, 58, 312-316	16.4	103
70	Deoxygenative Deuteration of Carboxylic Acids with D2O. *Angewandte Chemie*, **2019**, 131, 318-322	3.6	22
69	Manganese(I)-Catalyzed Selective Functionalization of Alkynes. *Synlett*, **2019**, 30, 124-128	2.2	13
68	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. *Angewandte Chemie*, **2018**, 130, 4054-4058	3.6	37
67	Synergistic Photoredox Catalysis and Organocatalysis for Inverse Hydroboration of Imines. *Angewandte Chemie - International Edition*, **2018**, 57, 3990-3994	16.4	88

66	Intermolecular Desymmetrizing Gold-Catalyzed Yne-Yne Reaction of Push-Pull Diarylalkynes. *Chemistry - A European Journal*, **2018**, 24, 3725-3728	4.8	19
65	Distal radical migration strategy: an emerging synthetic means. *Chemical Society Reviews*, **2018**, 47, 654-667	39.5	195
64	Relay photocatalytic cascade reactions: synthesis of indolo[2,1-a]isoquinoline derivatives via double C(sp)-H bond functionalization. *Chemical Communications*, **2018**, 54, 1655-1658	5.8	11
63	Exploration of C-H Transformations of Aldehyde Hydrazones: Radical Strategies and Beyond. *Accounts of Chemical Research*, **2018**, 51, 484-495	24.3	77
62	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. *Angewandte Chemie*, **2018**, 130, 10514-10518	3.6	17
61	Gold-Catalyzed Dimerization of Diarylalkynes: Direct Access to Azulenes. *Angewandte Chemie - International Edition*, **2018**, 57, 12966-12970	16.4	24
60	Selective Hydroarylation of 1,3-Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of Z-Enynes. *Angewandte Chemie*, **2018**, 130, 13088-13092	3.6	11
59	Selective Hydroarylation of 1,3-Diynes Using a Dimeric Manganese Catalyst: Modular Synthesis of Z-Enynes. *Angewandte Chemie - International Edition*, **2018**, 57, 12906-12910	16.4	41
58	Direkter Zugang zu Azulenen über eine Gold-katalysierte Dimerisierung von Diarylalkinen. *Angewandte Chemie*, **2018**, 130, 13148-13152	3.6	6
57	Photoredox 1,2-dicarbofunctionalization of unactivated alkenes via tandem radical difluoroalkylation and alkynyl migration. *Organic Chemistry Frontiers*, **2018**, 5, 797-800	5.2	30
56	Photoredox and cobalt co-catalyzed C(sp2)–H functionalization/C–O bond formation for synthesis of lactones under oxidant- and acceptor-free conditions. *Organic Chemistry Frontiers*, **2018**, 5, 749-752	5.2	33
55	Light-Induced Gold-Catalyzed Hiyama Arylation: A Coupling Access to Biarylboronates. *Angewandte Chemie - International Edition*, **2018**, 57, 16648-16653	16.4	66
54	Light-Induced Gold-Catalyzed Hiyama Arylation: A Coupling Access to Biarylboronates. *Angewandte Chemie*, **2018**, 130, 16890-16895	3.6	30
53	A general deoxygenation approach for synthesis of ketones from aromatic carboxylic acids and alkenes. *Nature Communications*, **2018**, 9, 3517	17.4	116
52	Synergistic Catalysis for the Umpolung Trifluoromethylthiolation of Tertiary Ethers. *Angewandte Chemie - International Edition*, **2018**, 57, 10357-10361	16.4	65
51	α-Imino Gold Carbenes from 1,2,4-Oxadiazoles: Atom-Economical Access to Fully Substituted 4-Aminoimidazoles. *Organic Letters*, **2017**, 19, 1020-1023	6.2	77
50	Photoredox-Controlled Mono- and Di-Multifluoroarylation of C(sp)-H Bonds with Aryl Fluorides. *Angewandte Chemie - International Edition*, **2017**, 56, 7266-7270	16.4	74
49	Photoredox-gesteuerte Mono- und Di-Multifluorarylierung von C(sp3)-H-Bindungen mit Arylfluoriden. *Angewandte Chemie*, **2017**, 129, 7372-7376	3.6	28

48	Photosensitizer-Free, Gold-Catalyzed C□□ Cross-Coupling of Boronic Acids and Diazonium Salts Enabled by Visible Light. *Advanced Synthesis and Catalysis*, **2017**, 359, 1522-1528	5.6	98
47	Copper-Catalyzed Radical Silylarylation of Ynones with Silanes: En Route to Silyl-Functionalized Indenones. *Advanced Synthesis and Catalysis*, **2017**, 359, 4153-4157	5.6	23
46	Photoredox organocatalytic □-amino C(sp3)□H functionalization for the synthesis of 5-membered heterocyclic □-amino acid derivatives. *Organic Chemistry Frontiers*, **2017**, 4, 2433-2436	5.2	11
45	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	5.8	16
44	The recent achievements of redox-neutral radical C-C cross-coupling enabled by visible-light. *Chemical Society Reviews*, **2017**, 46, 5193-5203	58.5	324
43	Photoredox Divergent 1,2-Difunctionalization of Alkenes with gem-Dibromides. *Organic Letters*, **2017**, 19, 6452-6455	6.2	29
42	Gold-Catalyzed Synthesis of Quinolines from Propargyl Silyl Ethers and Anthranils through the Umpolung of a Gold Carbene Carbon. *Angewandte Chemie - International Edition*, **2016**, 55, 12688-92	16.4	178
41	Intermolecular Photocatalyzed Heck-like Coupling of Unactivated Alkyl Bromides by a Dinuclear Gold Complex. *Chemistry - A European Journal*, **2016**, 22, 12646-50	4.8	81
40	Gold-katalysierte Synthese von Chinolinen aus Propargylsilylethern und Anthranilen □ber die Umpolung eines Goldcarben-Kohlenstoffatoms. *Angewandte Chemie*, **2016**, 128, 12880-12884	3.6	57
39	Monofluoralkenylierung von Dimethylaminoverbindungen durch Radikal-Radikal-Kreuzkupplung. *Angewandte Chemie*, **2016**, 128, 9563-9568	3.6	48
38	A general photoinduced electron transfer-directed chemoselective perfluoroalkylation of N,N-dialkylhydrazones. *Organic Chemistry Frontiers*, **2016**, 3, 841-845	5.2	40
37	Goldkatalysierte C-H-Anellierung von Anthranilen mit Alkinen: flexible, atom□konomische Synthese ungesch□tzter 7-Acylindole. *Angewandte Chemie*, **2016**, 128, 804-808	3.6	69
36	Gold-katalysierte hochselektive Photoredox-C(sp2)-H-Difluoralkylierung und -Perfluoralkylierung von Hydrazonen. *Angewandte Chemie*, **2016**, 128, 2987-2991	3.6	54
35	Gold-Catalyzed C-H Annulation of Anthranils with Alkynes: A Facile, Flexible, and Atom-Economical Synthesis of Unprotected 7-Acylindoles. *Angewandte Chemie - International Edition*, **2016**, 55, 794-7	16.4	236
34	Sustainable C(sp3)-H Bond Functionalization. *Springer Briefs in Molecular Science*, **2016**,	0.6	11
33	Recent Advances in Non-directed C(sp3)□H Bond Functionalization. *Springer Briefs in Molecular Science*, **2016**, 25-59	0.6	4
32	Transition Metal-Catalyzed, Directing Group-Assisted C(sp3)□H Bond Functionalization. *Springer Briefs in Molecular Science*, **2016**, 1-23	0.6	0
31	Functionalization of C(sp3)□H Bond by Visible-Light Photoredox Catalysis. *Springer Briefs in Molecular Science*, **2016**, 61-81	0.6	1

30	A Gold-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	5.6	26
29	Gold-Catalyzed Highly Selective Photoredox C(sp(2))-H Difluoroalkylation and Perfluoroalkylation of Hydrazones. *Angewandte Chemie - International Edition*, **2016**, 55, 2934-8	16.4	215
28	Monofluoroalkenylation of Dimethylamino Compounds through Radical-Radical Cross-Coupling. *Angewandte Chemie - International Edition*, **2016**, 55, 9416-21	16.4	153
27	A Highly Efficient Gold-Catalyzed Photoredox □C(sp(3))-H Alkynylation of Tertiary Aliphatic Amines with Sunlight. *Angewandte Chemie - International Edition*, **2015**, 54, 6046-50	16.4	180
26	Eine hocheffiziente Gold-katalysierte Photoredox-□C(sp3)-H- Alkinylierung von tertiären aliphatischen Aminen durch Sonnenlicht. *Angewandte Chemie*, **2015**, 127, 6144-6148	3.6	49
25	CO-enabled rhenium hydride catalyst for directed C(sp2)□H bond alkylation with olefins. *Organic Chemistry Frontiers*, **2015**, 2, 378-382	5.2	34
24	Gold-catalyzed C(sp3)-H bond functionalization. *Chemical Society Reviews*, **2014**, 43, 5245-56	58.5	205
23	Visible-light-promoted radical C-H trifluoromethylation of free anilines. *Organic Letters*, **2014**, 16, 1768-71	6.2	101
22	When C□H bond functionalization meets visible-light photoredox catalysis. *Tetrahedron Letters*, **2014**, 55, 36-48	2	192
21	Rhenium-Catalyzed Acceptorless Dehydrogenative Coupling via Dual Activation of Alcohols and Carbonyl Compounds. *ACS Catalysis*, **2013**, 3, 2195-2198	13.1	32
20	Visible-light-induced trifluoromethylation of N-aryl acrylamides: a convenient and effective method to synthesize CF(3)-containing oxindoles bearing a quaternary carbon center. *Chemistry - A European Journal*, **2013**, 19, 14039-42	4.8	218
19	A visible-light-promoted aerobic C□H/C□N cleavage cascade to isoxazolidine skeletons. *Chemical Science*, **2013**, 4, 1281	9.4	96
18	Highly efficient visible-light-induced aerobic oxidative C-C, C-P coupling from C-H bonds catalyzed by a gold(III)-complex. *Organic and Biomolecular Chemistry*, **2013**, 11, 1606-9	3.9	82
17	Metal-free, highly efficient organocatalytic amination of benzylic C-H bonds. *Chemical Communications*, **2013**, 49, 3700-2	5.8	137
16	A room temperature decarboxylation/C-H functionalization cascade by visible-light photoredox catalysis. *Chemical Communications*, **2013**, 49, 5672-4	5.8	205
15	Metal-Free, n-Bu4NI-Catalyzed Regioselective Difunctionalization of Unactivated Alkenes. *ACS Catalysis*, **2013**, 3, 1365-1368	13.1	73
14	A highly efficient gold-catalyzed oxidative C-C coupling from C-H bonds using air as oxidant. *Angewandte Chemie - International Edition*, **2012**, 51, 1252-5	16.4	161
13	The Au(III)-catalyzed coupling reactions between alcohols and N-heterocycles via C□H bond activation. *RSC Advances*, **2012**, 2, 10496	3.7	20

12	Metal-free, organocatalytic cascade formation of C-N and C-O bonds through dual sp3 C-H activation: oxidative synthesis of oxazole derivatives. *Chemical Communications*, **2012**, 48, 979-81	5.8	181
11	Metal-free n-Bu4NI-catalyzed direct synthesis of amides from alcohols and N,N-disubstituted formamides. *Tetrahedron Letters*, **2012**, 53, 6479-6482	2	49
10	A Scalable, Efficient Gold-Catalyzed Oxidative Phosphonation of sp3 C?H Bonds using Air as Sustainable Oxidant. *Advanced Synthesis and Catalysis*, **2012**, 354, 1646-1650	5.6	80
9	A Highly Efficient Gold-Catalyzed Oxidative C?C Coupling from C?H Bonds Using Air as Oxidant. *Angewandte Chemie*, **2012**, 124, 1278-1281	3.6	50
8	Copper-catalyzed cross dehydrogenative coupling reactions of tertiary amines with ketones or indoles. *Organic Letters*, **2010**, 12, 5214-7	6.2	125
7	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. *Chemical Communications*, **2010**, 46, 1947-9	5.8	48
6	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	1.7	13
5	Cross-Dehydrogenative Coupling Reactions by Transition-Metal and Aminocatalysis for the Synthesis of Amino Acid Derivatives. *Angewandte Chemie*, **2010**, 122, 10379-10383	3.6	60
4	Cross-dehydrogenative coupling reactions by transition-metal and aminocatalysis for the synthesis of amino acid derivatives. *Angewandte Chemie - International Edition*, **2010**, 49, 10181-5	16.4	224
3	Novel tripodal chelating ligand for appending and encapsulating metal ions. Crystal structure of a parachute-like hydrogen bonded complex. *Chemical Communications*, **2000**, 1429-1430	5.8	15
2	Dinuclear gold-catalyzed C-H bond functionalization of cyclopropenes. *Science China Chemistry*,1	7.9	1
1	Decarboxylative Acylation of Carboxylic Acids: Reaction Investigation and Mechanistic Study. *CCS Chemistry*,2581-2592	7.2	1