

Lingheng Kong

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Redox-Neutral Couplings between Amides and Alkynes via Cobalt(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2016, 18, 588-591.	4.6	145
2	Rhodium(III)-Catalyzed Synthesis of Naphthols via C-H Activation of Sulfoxonium Ylides. <i>Organic Letters</i> , 2017, 19, 4307-4310.	4.6	138
3	Cobalt(III)-Catalyzed Regio- and Stereoselective β -Fluoroalkenylation of Arenes with <i>gem</i> -Difluorostyrenes. <i>Organic Letters</i> , 2016, 18, 6320-6323.	4.6	133
4	Access to Structurally Diverse Quinoline-Fused Heterocycles via Rhodium(III)-Catalyzed C/C/N Coupling of Bifunctional Substrates. <i>Organic Letters</i> , 2016, 18, 2812-2815.	4.6	128
5	Cobalt(III)-Catalyzed C-C Coupling of Arenes with 7-Oxabenzonorbornadiene and 2-Vinyloxirane via C-H Activation. <i>Organic Letters</i> , 2016, 18, 3802-3805.	4.6	111
6	Cobalt(III)- and Rhodium(III)-Catalyzed C-H Amidation and Synthesis of 4-Quinolones: C-H Activation Assisted by Weakly Coordinating and Functionalizable Enaminone. <i>Organic Letters</i> , 2017, 19, 1812-1815.	4.6	110
7	Rhodium-Catalyzed Atroposelective Construction of Indoles via C-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8391-8395.	13.8	99
8	Rhodium-Catalyzed Asymmetric Access to Spirocycles through C-H Activation and Axial-Central Chirality Transfer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7188-7192.	13.8	86
9	Rhodium(III)-Catalyzed Mild Alkylation of (Hetero)Arenes with Cyclopropanols via C-H Activation and Ring Opening. <i>Journal of Organic Chemistry</i> , 2016, 81, 4869-4875.	3.2	80
10	Rhodium-catalyzed regio- and stereoselective benzylic β -fluoroalkenylation with <i>gem</i> -difluorostyrenes. <i>Chemical Communications</i> , 2017, 53, 10326-10329.	4.1	75
11	Cobalt(III)-catalyzed efficient synthesis of indenones through carboannulation of benzoates and alkynes. <i>Organic Chemistry Frontiers</i> , 2016, 3, 813-816.	4.5	69
12	Rhodium(III)-Catalyzed Acylation of C(sp ³)-H Bonds with Cyclopropanones. <i>Organic Letters</i> , 2017, 19, 3644-3647.	4.6	61
13	Synthesis of 2-Substituted Quinolines via Rhodium(III)-Catalyzed C-H Activation of Imidamides and Coupling with Cyclopropanols. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1620-1625.	4.3	59
14	Twofold C-H Activation-Based Enantio- and Diastereoselective C-H Arylation Using Diarylacetylenes as Rare Arylating Reagents. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20424-20429.	13.8	58
15	Mild Acylation of C(sp ³)-H and C(sp ²)-H Bonds under Redox-Neutral Rh(III) Catalysis. <i>ACS Catalysis</i> , 2016, 6, 7744-7748.	11.2	57
16	Rhodium(III)-Catalyzed Regio- and Stereoselective C-H Allylation of Arenes with Vinyl Benzoxazinones. <i>Organic Letters</i> , 2016, 18, 4392-4395.	4.6	47
17	Enantioselective and Diastereoselective C-H Alkylation of Benzamides: Synergized Axial and Central Chirality via a Single Stereodetermining Step. <i>ACS Catalysis</i> , 2021, 11, 9151-9158.	11.2	46
18	Access to Substituted Propenoic Acids via Rh(III)-Catalyzed C-H Allylation of (Hetero)Arenes with Methyleneoxetanones. <i>Organic Letters</i> , 2017, 19, 5972-5975.	4.6	43

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19	Cobalt(III)-catalyzed C-H amidation of weakly coordinating sulfoxonium ylides and β -benzoylketene dithioacetals. <i>Organic Chemistry Frontiers</i> , 2019, 6, 741-745.	4.5	41
20	Rhodium-Catalyzed Oxidative Synthesis of Quinoline-Fused Sydnone via 2-fold C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2016, 81, 12038-12045.	3.2	39
21	Rhodium-Catalyzed Amination and Annulation of Arenes with Anthranils: C-H Activation Assisted by Weakly Coordinating Amides. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 4411-4416.	4.3	38
22	Rhodium(III)-catalyzed synthesis of spirocyclic isoindole N-oxides and isobenzofuranones via C-H activation and spiroannulation. <i>Chemical Communications</i> , 2020, 56, 5528-5531.	4.1	34
23	Ruthenium- and Rhodium-Catalyzed Chemodivergent Couplings of Ketene Dithioacetals and β -Diazo Ketones via C-H Activation/Functionalization. <i>Organic Letters</i> , 2018, 20, 4597-4600.	4.6	32
24	Ruthenium(II)-catalyzed β -fluoroalkenylation of arenes via C-H bond activation and C-F bond cleavage. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1978-1982.	4.5	28
25	Rh(III)-catalyzed coupling of nitrones with alkynes for the synthesis of indolines. <i>Chinese Journal of Catalysis</i> , 2015, 36, 925-932.	14.0	27
26	Redox-Neutral Access to Isoquinolinones via Rhodium(III)-Catalyzed Annulations of <i>O</i> -Pivaloyl Oximes with Ketenes. <i>Organic Letters</i> , 2018, 20, 2698-2701.	4.6	27
27	Rhodium-Catalyzed Atroposelective C-H Arylation of (Hetero)Arenes Using Carbene Precursors as Arylating Reagents. <i>Organic Letters</i> , 2022, 24, 3189-3193.	4.6	25
28	Divergent Coupling of Anilines and Enones by Integration of C-H Activation and Transfer Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6681-6685.	13.8	24
29	Access to Quaternary Stereogenic Centers via Rhodium(III)-Catalyzed Annulations between 2-Phenylindoles and Ketenes. <i>Organic Letters</i> , 2018, 20, 1957-1960.	4.6	24
30	Manganese(I)-Catalyzed Synthesis of Fused Eight- and Four-Membered Carbocycles via C-H Activation and Pericyclic Reactions. <i>Organic Letters</i> , 2019, 21, 3402-3406.	4.6	24
31	Rhodium(II)-Catalyzed Regioselective Remote C-H Alkylation of Protic Indoles. <i>ACS Catalysis</i> , 2021, 11, 4929-4935.	11.2	24
32	Rhodium-Catalyzed Atroposelective Construction of Indoles via C-H Bond Activation. <i>Angewandte Chemie</i> , 2021, 133, 8472-8476.	2.0	23
33	Rhodium(III)-Catalyzed Asymmetric Access to Spirocycles through C-H Activation and Axial-Central Chirality Transfer. <i>Angewandte Chemie</i> , 2020, 132, 7255-7259.	2.0	22
34	Rhodium(III)-catalyzed asymmetric [4+1] spiroannulations of <i>O</i> -pivaloyl oximes with β -diazo compounds. <i>Chemical Communications</i> , 2021, 57, 8268-8271.	4.1	21
35	Rhodium(III)-catalyzed synthesis of indanones via C-H activation of phenacyl phosphoniums and coupling with olefins. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2114-2118.	4.5	20
36	Cobalt(III)/Rhodium(III)-Catalyzed Regio- and Stereoselective Allylation of 8-Methylquinoline via γ -C-H Activation. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3880-3885.	4.3	19

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37	Access to 2-naphthols <i>via</i> Ru(<i>scpr</i>)-catalyzed C-H annulation of nitrones with β -diazo sulfonyl ketones. <i>Chemical Communications</i> , 2019, 55, 7339-7342.	4.1	18
38	Rhodium-catalyzed coupling of arenes and fluorinated β -diazo diketones: synthesis of chromones. <i>Chemical Communications</i> , 2020, 56, 13169-13172.	4.1	14
39	Ag(I)-Catalyzed Nucleophilic Addition and Friedel-Crafts Alkylation between β -Oxoketene Dithioacetals and Propargyl Carbonates. <i>Organic Letters</i> , 2018, 20, 7775-7778.	4.6	13
40	Twofold C-H Activation-Based Enantio- and Diastereoselective C-H Arylation Using Diarylacetylenes as Rare Arylating Reagents. <i>Angewandte Chemie</i> , 2021, 133, 20587-20592.	2.0	11
41	Divergent Coupling of Anilines and Enones by Integration of C-H Activation and Transfer Hydrogenation. <i>Angewandte Chemie</i> , 2018, 130, 6791-6795.	2.0	3
42	Front Cover Picture: Synthesis of 2-Substituted Quinolines <i>via</i> Rhodium(III)-Catalyzed C-H Activation of Imidamides and Coupling with Cyclopropanols (<i>Adv. Synth. Catal.</i> 10/2017). <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1599-1599.	4.3	2