

Yingzi Li

List of Publications by Year in descending order

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26
papers

1,277
citations

361413

20
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1343
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Rhodium-Catalyzed C-H Functionalization: Advances in Theoretical Investigation. <i>Accounts of Chemical Research</i> , 2017, 50, 2799-2808.	15.6	203
2	Anthranil: An Aminating Reagent Leading to Bifunctionality for Both C(sp ³)-H and C(sp ²)-H under Rhodium(III) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8696-8700.	13.8	193
3	Design of catalysts for site-selective and enantioselective functionalization of non-activated primary C-H bonds. <i>Nature Chemistry</i> , 2018, 10, 1048-1055.	13.6	131
4	Rhodium(III)-Catalyzed Annulation between N-Sulfinyl Ketoimines and Activated Olefins: C-H Activation Assisted by an Oxidizing N-S Bond. <i>ACS Catalysis</i> , 2016, 6, 1971-1980.	11.2	73
5	Relationships between Product Ratios in Ambimodal Pericyclic Reactions and Bond Lengths in Transition Structures. <i>Journal of the American Chemical Society</i> , 2018, 140, 3061-3067.	13.7	63
6	The Mechanism of Ni-O Bond Cleavage in Rhodium-Catalyzed C-H Bond Functionalization of Quinoline N-oxides with Alkynes: A Computational Study. <i>Chemistry - A European Journal</i> , 2015, 21, 10131-10137.	3.3	59
7	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
8	Ni(II)-Ni(III) vs. Ni(II)-Ni(IV): mechanistic study of Ni-catalyzed alkylation of benzamides with alkyl halides. <i>Organic Chemistry Frontiers</i> , 2018, 5, 615-622.	4.5	48
9	Unprecedented Dearomatized Spirocyclopropane in a Sequential Rhodium(III)-Catalyzed C-H Activation and Rearrangement Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5520-5524.	13.8	42
10	Anthranil: An Aminating Reagent Leading to Bifunctionality for Both C(sp ³)-H and C(sp ²)-H under Rhodium(III) Catalysis. <i>Angewandte Chemie</i> , 2016, 128, 8838-8842.	2.0	41
11	Origin of Regiochemical Control in Rh(III)/Rh(V)-Catalyzed Reactions of Unsaturated Oximes and Alkenes to Form Pyridines. <i>ACS Catalysis</i> , 2019, 9, 7154-7165.	11.2	40
12	Mechanism of Ruthenium-Catalyzed Direct Arylation of C-H Bonds in Aromatic Amides: A Computational Study. <i>Organometallics</i> , 2016, 35, 1440-1445.	2.3	39
13	Ir(III)/Ir(V) or Ir(I)/Ir(III) Catalytic Cycle? Steric-Effect-Controlled Mechanism for the para-C-H Borylation of Arenes. <i>Organometallics</i> , 2017, 36, 2107-2115.	2.3	38
14	Pd-Catalyzed Decarboxylative Olefination: Stereoselective Synthesis of Polysubstituted Butadienes and Macrocyclic P-glycoprotein Inhibitors. <i>Journal of the American Chemical Society</i> , 2020, 142, 9982-9992.	13.7	37
15	Dinuclear versus mononuclear pathways in zinc mediated nucleophilic addition: a combined experimental and DFT study. <i>Dalton Transactions</i> , 2015, 44, 11165-11171.	3.3	26
16	Copper-catalyzed aerobic oxidative coupling: From ketone and diamine to pyrazine. <i>Science Advances</i> , 2015, 1, e1500656.	10.3	24
17	Mechanism and selectivity for zinc-mediated cycloaddition of azides with alkynes: a computational study. <i>RSC Advances</i> , 2015, 5, 49802-49808.	3.6	23
18	Reactivity of Single-Walled Carbon Nanotubes in the Diels-Alder Cycloaddition Reaction: Distortion-Interaction Analysis along the Reaction Pathway. <i>Chemistry - A European Journal</i> , 2016, 22, 12819-12824.	3.3	21

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19	Mechanism, chemoselectivity and enantioselectivity for the rhodium-catalyzed desymmetric synthesis of hydrobenzofurans: a theoretical study. <i>Organic Chemistry Frontiers</i> , 2016, 3, 209-216.	4.5	21
20	Insights into disilylation and distannation: sequence influence and ligand/steric effects on Pd-catalyzed difunctionalization of carbenes. <i>Dalton Transactions</i> , 2018, 47, 1819-1826.	3.3	21
21	Bond dissociation energy controlled σ -bond metathesis in alkaline-earth-metal hydride catalyzed dehydrocoupling of amines and boranes: a theoretical study. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1813-1820.	6.0	18
22	Mechanism, Regio-, and Diastereoselectivity of Rh(III)-Catalyzed Cyclization Reactions of <i>N</i> -Arylnitrones with Alkynes: A Density Functional Theory Study. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4496-4504.	2.5	17
23	Copper and Rhodium Relay Catalysis for Selective Access to cis-2,3-Dihydroazepines. <i>Organic Letters</i> , 2021, 23, 6450-6454.	4.6	14
24	From Mechanistic Study to Chiral Catalyst Optimization: Theoretical Insight into Binaphthophosphepine-catalyzed Asymmetric Intramolecular [3 + 2] Cycloaddition. <i>Scientific Reports</i> , 2017, 7, 7619.	3.3	11
25	Beispielloses dearomatisiertes Spirocyclopropan in einer sequenziellen Rhodium(III)-katalysierten C-H-Aktivierung und Umlagerungsreaktion. <i>Angewandte Chemie</i> , 2018, 130, 5618-5622.	2.0	11
26	Hexahapto-chromium complexes of graphene: a theoretical study. <i>RSC Advances</i> , 2014, 4, 28640-28644.	3.6	6