

# Yuan-Ye Jiang

## List of Publications by Year in descending order

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63  
papers

1,933  
citations

331259

21  
h-index

253896

43  
g-index

67  
all docs

67  
docs citations

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times ranked

2118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Trifluoromethylation of Terminal Alkenes through Allylic C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2011, 133, 15300-15303.	6.6	351
2	Alternative Mechanistic Explanation for Ligand-Dependent Selectivities in Copper-Catalyzed <i>N</i> - and <i>O</i> -Arylation Reactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 18078-18091.	6.6	196
3	Pd-Catalyzed Decarboxylative Cross Coupling of Potassium Polyfluorobenzoates with Aryl Bromides, Chlorides, and Triflates. <i>Organic Letters</i> , 2010, 12, 1000-1003.	2.4	150
4	Mechanism of Vanadium-Catalyzed Selective C=O and C=C Cleavage of Lignin Model Compound. <i>ACS Catalysis</i> , 2016, 6, 4399-4410.	5.5	90
5	Visible-light-induced regioselective cross-dehydrogenative coupling of 2-isothiocyanatonaphthalenes with amines using molecular oxygen. <i>Science China Chemistry</i> , 2020, 63, 1652-1658.	4.2	72
6	Theoretical Study on the Mechanism of Ni-Catalyzed Alkyl-Alkyl Suzuki Cross-Coupling. <i>Chemistry - A European Journal</i> , 2012, 18, 4345-4357.	1.7	66
7	Mechanism of the Pd-catalyzed Decarboxylative Allylation of $\alpha$ -Amino Esters: Decarboxylation via Free Carboxylate Ion. <i>Chemistry - A European Journal</i> , 2012, 18, 14527-14538.	1.7	62
8	Mechanistic Origin of Regioselectivity in Nickel-Catalyzed Olefin Hydroheteroarylation through C-H Activation. <i>Organometallics</i> , 2012, 31, 4356-4366.	1.1	56
9	Mechanism of Aldehyde-Selective Wacker-Type Oxidation of Unbiased Alkenes with a Nitrite Co-Catalyst. <i>ACS Catalysis</i> , 2015, 5, 1414-1423.	5.5	51
10	Mechanistic Study of Borylation of Nitriles Catalyzed by Rh-B and Ir-B Complexes via C-CN Bond Activation. <i>Organometallics</i> , 2013, 32, 926-936.	1.1	48
11	Advances in theoretical study on transition-metal-catalyzed C-H activation. <i>Science China Chemistry</i> , 2016, 59, 1448-1466.	4.2	47
12	Mechanism and Origin of Et <sub>2</sub> Al(OEt)-Induced Chemoselectivity of Nickel-Catalyzed Three-Component Coupling of One Diketene and Two Alkynes. <i>ACS Catalysis</i> , 2017, 7, 1886-1896.	5.5	38
13	Visible-light-promoted oxidative desulphurisation: a strategy for the preparation of unsymmetrical ureas from isothiocyanates and amines using molecular oxygen. <i>Green Chemistry</i> , 2020, 22, 2956-2962.	4.6	37
14	Mechanism of Ligand-Controlled Regioselectivity-Switchable Copper-Catalyzed Alkylboration of Alkenes. <i>Chemistry - A European Journal</i> , 2016, 22, 14611-14617.	1.7	36
15	Mechanism of Nickel(II)-Catalyzed Oxidative C( <sup>2</sup> )-H/C( <sup>3</sup> )-H Coupling of Benzamides and Toluene Derivatives. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2479-2483.	1.7	31
16	Theoretical Study of Gold-Catalyzed Cyclization of 2-Alkynyl- <i>N</i> -propargylanilines and Rationalization of Kinetic Experimental Phenomena. <i>Journal of Organic Chemistry</i> , 2016, 81, 9381-9388.	1.7	30
17	Mechanism of Cu-Catalyzed Aerobic C(CO)-CH <sub>3</sub> Bond Cleavage: A Combined Computational and Experimental Study. <i>ACS Catalysis</i> , 2019, 9, 1066-1080.	5.5	28
18	Mechanism of Pd-catalyzed acylation/alkenylation of aryl iodide: a DFT study. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6147-6156.	1.5	27

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19	Mechanistic Insights into the Chemo- and Regio-Selective B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> Catalyzed C-H Functionalization of Phenols with Diazoesters. <i>Journal of Organic Chemistry</i> , 2019, 84, 14508-14519.	1.7	27
20	One-Pot Methylenation-Cyclization Employing Two Molecules of CO <sub>2</sub> with Arylamines and Enaminones. <i>Journal of Organic Chemistry</i> , 2020, 85, 912-923.	1.7	27
21	Ligand-Free Iron-Catalyzed Regioselectivity-Controlled Hydroboration of Aliphatic Terminal Alkenes. <i>ACS Catalysis</i> , 2020, 10, 11963-11970.	5.5	26
22	C-H Acidity and Arene Nucleophilicity as Orthogonal Control of Chemoselectivity in Dual C-H Bond Activation. <i>Organic Letters</i> , 2019, 21, 2360-2364.	2.4	24
23	Mechanistic Insights into the Ruthenium-Catalyzed [4 + 1] Annulation of Benzamides and Propargyl Alcohols by DFT Studies. <i>Organometallics</i> , 2019, 38, 1877-1886.	1.1	23
24	Mechanism and Rate-Determining Factors of Amide Bond Formation through Acyl Transfer of Mixed Carboxylic-Carbamic Anhydrides: A Computational Study. <i>Journal of Organic Chemistry</i> , 2018, 83, 2676-2685.	1.7	20
25	Mechanism of Palladium-Catalyzed Alkylation of Aryl Halides with Alkyl Halides through C-H Activation: A Computational Study. <i>Organometallics</i> , 2018, 37, 2222-2231.	1.1	19
26	Mechanism of Vanadium-Catalyzed Deoxydehydration of Vicinal Diols: Spin-Crossover-Involved Processes. <i>Organometallics</i> , 2016, 35, 3388-3396.	1.1	18
27	Mechanism of Amide Bond Formation from Carboxylic Acids and Amines Promoted by 9-Silafluorenyl Dichloride Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 9087-9096.	1.7	18
28	Mechanism and Origin of Ligand-Controlled Chemo- and Regioselectivities in Palladium-Catalyzed Methoxycarbonylation of Alkynes. <i>Journal of Organic Chemistry</i> , 2020, 85, 7136-7151.	1.7	18
29	Palladium-catalyzed directing group-assisted C8-triflation of naphthalenes. <i>Chemical Communications</i> , 2016, 52, 6709-6711.	2.2	17
30	C-H Activation versus Ring Opening and Inner- versus Outer-Sphere Concerted Metalation-Deprotonation in Rh(III)-Catalyzed Oxidative Coupling of Oxime Ether and Cyclopropanol: A Density Functional Theory Study. <i>Journal of Organic Chemistry</i> , 2019, 84, 11150-11160.	1.7	17
31	Mechanism and Origin of Chemoselectivity of Ru-Catalyzed Cross-Coupling of Secondary Alcohols to $\beta$ -Disubstituted Ketones. <i>Journal of Organic Chemistry</i> , 2020, 85, 12444-12455.	1.7	17
32	Rh(I)-catalyzed borylation of primary alkyl chlorides. <i>Chinese Chemical Letters</i> , 2014, 25, 397-400.	4.8	15
33	Mechanism for the enhanced reactivity of 4-mercaptoethyl thioesters in native chemical ligation. <i>RSC Advances</i> , 2016, 6, 68312-68321.	1.7	15
34	Mechanistic Study on Platinum-Catalyzed Domino Reaction of Benziodoxole and Pyrrole Homopropargylic Ethers for Indole Synthesis. <i>Organometallics</i> , 2017, 36, 2843-2852.	1.1	15
35	Unveiling the mechanisms and secrets of chemoselectivities in Au-catalyzed diazo-based couplings with aryl unsaturated aliphatic alcohols. <i>Catalysis Science and Technology</i> , 2018, 8, 4450-4462.	2.1	15
36	Mechanism and Origin of Chemical Selectivity in Oxaziridine-Based Methionine Modification: A Computational Study. <i>Journal of Organic Chemistry</i> , 2017, 82, 9765-9772.	1.7	14

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37	Catalyst-free synthesis of $\alpha$ -thioacrylic acids via cascade thiolation and 1,4-aryl migration of aryl alkynoates at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8379-8383.	1.5	14
38	A Ligand-Dissociation-Involved Mechanism in Amide Formation of Monofluoroacylboronates with Hydroxylamines. <i>Journal of Organic Chemistry</i> , 2017, 82, 1064-1072.	1.7	13
39	Theoretical Study on Homogeneous Hydrogen Activation Catalyzed by Cationic Ag(I) Complex. <i>Organometallics</i> , 2014, 33, 6577-6584.	1.1	12
40	A self-catalytic role of methanol in PNP-Ru pincer complex catalysed dehydrogenation. <i>Science China Chemistry</i> , 2016, 59, 724-729.	4.2	12
41	Palladium-Catalyzed Regioselective B(3,4)-H Acyloxylation of <i>o</i> -Carboranes. <i>Inorganic Chemistry</i> , 2022, 61, 911-922.	1.9	12
42	Rapid formation of Csp <sup>3</sup> -Csp <sup>3</sup> bonds through copper-catalyzed decarboxylative Csp <sup>3</sup> -H functionalization. <i>Chinese Chemical Letters</i> , 2023, 34, 107477.	4.8	12
43	Boron Ester-Catalyzed Amidation of Carboxylic Acids with Amines: Mechanistic Rationale by Computational Study. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2685-2690.	1.7	10
44	Computational study of the mechanism of amide bond formation via CS <sub>2</sub> -releasing 1,3-acyl transfer. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5808-5815.	1.5	10
45	The mechanism and structure-activity relationship of amide bond formation by silane derivatives: a computational study. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9232-9242.	1.5	10
46	Mechanism and Origin of Stereoselectivity of Pd-Catalyzed Cascade Annulation of Aryl Halide, Alkene, and Carbon Monoxide via C-H Activation. <i>Journal of Organic Chemistry</i> , 2019, 84, 4353-4362.	1.7	8
47	Mechanism of trifluoroacetic-acid-promoted N-to-S acyl transfer of enamides. <i>Tetrahedron</i> , 2017, 73, 4380-4386.	1.0	7
48	Theoretical study of the Cl-initiated atmospheric oxidation of methyl isopropenyl ketone. <i>RSC Advances</i> , 2017, 7, 52801-52811.	1.7	6
49	Cascade C-N bond cleavage of amides/intramolecular amination reactions: an atom economical way to $\alpha$ -cabolin-4-ones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 579-583.	2.3	5
50	Mechanistic study on the regioselectivity of Co-catalyzed hydroacylation of 1,3-dienes. <i>Chinese Chemical Letters</i> , 2015, 26, 58-62.	4.8	4
51	Arylboronate Ester Protected Amino Acids as Orthogonal Building Blocks for Fmoc Solid-Phase Peptide Synthesis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5916-5920.	1.2	4
52	Theoretical study on the intramolecular oxyamination involved in Rh(III)-catalyzed cyclization of unsaturated alkoxyamines. <i>Journal of Organometallic Chemistry</i> , 2019, 880, 253-260.	0.8	4
53	Mechanism of Rh(III)-catalyzed alkylation of N-pyrimidylindoline with cyclopropanols: A DFT study. <i>Molecular Catalysis</i> , 2020, 498, 111255.	1.0	4
54	Density Functional Theory Study on the Mechanism of Iridium-Catalyzed Benzylamine <i>ortho</i> -C-H Alkenylation with Ethyl Acrylate. <i>ACS Omega</i> , 2020, 5, 15446-15453.	1.6	4

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55	Double-Regiodetermining-Stages Mechanistic Model Explaining the Regioselectivity of Pd-Catalyzed Hydroaminocarbonylation of Alkenes with Carbon Monoxide and Ammonium Chloride. <i>Journal of Organic Chemistry</i> , 2021, 86, 12988-13000.	1.7	4
56	Noncovalent Interaction- and Steric Effect-Controlled Regiodivergent Selectivity in Dimeric Manganese-Catalyzed Hydroarylation of Internal Alkynes: A Computational Study. <i>Journal of Organic Chemistry</i> , 2022, 87, 4215-4225.	1.7	4
57	A computational study on H <sub>2</sub> S release and amide formation from thionoesters and cysteine. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5771-5778.	1.5	3
58	Decarbonylative Issues Involved in Ru(II)-Catalyzed [6+2+1] Annulation Reaction of Hydroxychromone with Alkyne: A DFT Study. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 266-273.	1.2	3
59	A DFT mechanistic study on gold(I)-catalyzed cascade reaction of aminalkyne involving Petasis-Ferrier cyclization. <i>Journal of Organometallic Chemistry</i> , 2018, 864, 136-142.	0.8	2
60	Theoretical study on abnormal trans-effect of chloride, bromide and iodide ligands in iridium complexes. <i>Computational and Theoretical Chemistry</i> , 2018, 1138, 1-6.	1.1	2
61	Regioselective Synthesis of Tetrasubstituted Benzenes via Co-Catalyzed Cycloaddition of Alkynyl Ketones and 2-Acetylpyridines. <i>Journal of Organic Chemistry</i> , 2021, 86, 12158-12167.	1.7	2
62	Mechanism and selectivity on Ir(III)/Rh(III)-catalyzed coupling of terminal alkenes and dioxazolones: A DFT study. <i>Molecular Catalysis</i> , 2021, 510, 111679.	1.0	1
63	Mechanism and stereospecificity of Z-enamide synthesis from salicylaldehydes with isoxazoles using DFT calculations. <i>Journal of Organometallic Chemistry</i> , 2019, 903, 120981.	0.8	0