

Yi Wang

List of Publications by Year in descending order

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24
papers

1,242
citations

471509

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docs citations

29
times ranked

1104
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism and Stereochemistry of Rhodium-Catalyzed [5 + 2 + 1] Cycloaddition of Eneâ€“Vinylcyclopropanes and Carbon Monoxide Revealed by Visual Kinetic Analysis and Quantum Chemical Calculations. <i>Journal of the American Chemical Society</i> , 2022, 144, 2624-2636.	13.7	21
2	Electrochemically driven cross-electrophile coupling of alkyl halides. <i>Nature</i> , 2022, 604, 292-297.	27.8	139
3	Electrochemical-Promoted Nickel-Catalyzed Reductive Allylation of Aryl Halides. <i>Organic Letters</i> , 2022, 24, 3647-3651.	4.6	20
4	A Combined Computational and Experimental Study of Rh-Catalyzed Câ€“H Silylation with Silacyclobutanes: Insights Leading to a More Efficient Catalyst System. <i>Journal of the American Chemical Society</i> , 2021, 143, 3571-3582.	13.7	52
5	Ni-catalyzed hydroaminoalkylation of alkynes with amines. <i>Nature Communications</i> , 2021, 12, 3800.	12.8	16
6	Symmetric Câ€“Hâ€“C Hydrogen Bonds Predicted by Quantum Chemical Calculations. <i>Journal of Organic Chemistry</i> , 2020, 85, 397-402.	3.2	3
7	Mechanism and Regioselectivity of Intramolecular [2+2] Cycloaddition of Eneâ€“Ketenes: A DFT Study. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5985-5994.	2.4	6
8	Mechanistic Study on Gold-Catalyzed Cycloisomerization of Dienediynes Involving Aliphatic Câ€“H Functionalization and Inspiration for Developing a New Strategy to Access Polycarbocycles. <i>Journal of the American Chemical Society</i> , 2020, 142, 2777-2786.	13.7	42
9	Synthesis of Quaternary Carbon-Centered Benzoindolizidinones via Novel Photoredox-Catalyzed Alkene Aminoarylation: Facile Access to Tylophorine and Analogues. <i>CCS Chemistry</i> , 2019, 1, 352-364.	7.8	10
10	Intra- versus Intermolecular Carbon-to-Carbon Proton Transfers in the Reactions of Arynes with Nitrogen Nucleophiles: A DFT Study. <i>Journal of Organic Chemistry</i> , 2018, 83, 5384-5391.	3.2	13
11	Two-Fold Câ€“H/Câ€“H Cross-Coupling Using RhCl ₃ ·3H ₂ O as the Catalyst: Direct Fusion of <i>N</i> -(Hetero)arylimidazolium Salts and (Hetero)arenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 12566-12573.	13.7	63
12	Rhodium(<i>ii</i>)-catalysed generation of cycloprop-1-en-1-yl ketones and their rearrangement to 5-aryl-2-siloxyfurans. <i>Chemical Communications</i> , 2018, 54, 9513-9516.	4.1	19
13	Formal Insertion of Imines (or Nitrogen Heteroarenes) and Arynes into the Câ€“Cl Bond of Carbon Tetrachloride. <i>Organic Letters</i> , 2018, 20, 4545-4548.	4.6	33
14	Carbanion Translocations via Intramolecular Proton Transfers: A Quantum Chemical Study. <i>Journal of Organic Chemistry</i> , 2017, 82, 4604-4612.	3.2	40
15	Sigmatropic proton shifts: a quantum chemical study. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7439-7446.	2.8	26
16	Rhodium-Catalyzed [5 + 2 + 1] Cycloaddition of Eneâ€“Vinylcyclopropanes and CO: Reaction Design, Development, Application in Natural Product Synthesis, and Inspiration for Developing New Reactions for Synthesis of Eight-Membered Carbocycles. <i>Accounts of Chemical Research</i> , 2015, 48, 2288-2296.	15.6	173
17	Kinetic or Dynamic Control on a Bifurcating Potential Energy Surface? An Experimental and DFT Study of Gold-Catalyzed Ring Expansion and Spirocyclization of 2-Propargyl- <i>Î²</i> -tetrahydrocarbolines. <i>Journal of the American Chemical Society</i> , 2015, 137, 13290-13300.	13.7	87
18	Gold(I)-Catalyzed Polycyclization of Linear Dienediynes to Seven-Membered Ring-Containing Polycycles via Tandem Cyclopropanation/Cope Rearrangement/Câ€“H Activation. <i>Organic Letters</i> , 2014, 16, 5898-5901.	4.6	53

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19	Gold(I)-Catalyzed <i>endo</i> -Selective Intramolecular π -Alkenylation of γ -Furans: Synthesis of Seven-Membered Ring-Fused Furans and DFT Calculations. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14157-14161.	13.8	82
20	DFT Study on the Mechanism and Stereochemistry of the Petasis-Ferrier Rearrangements. <i>Journal of Organic Chemistry</i> , 2013, 78, 6947-6955.	3.2	26
21	Gold-Catalyzed Intermolecular Reactions of Propiolic Acids with Alkenes: [4 + 2] Annulation and Enyne Cross Metathesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 208-211.	13.7	88
22	A facile N-arylation of acetanilides with arynes. <i>Tetrahedron Letters</i> , 2011, 52, 5847-5850.	1.4	27
23	Rh ^I -Catalyzed Two-Component [(5+2)+1] Cycloaddition Approach toward [5.8.5] Ring Systems. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1555-1559.	3.3	42
24	Transition-Metal-Catalyzed Cycloadditions for the Synthesis of Eight-Membered Carbocycles. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1072-1088.	3.3	161