

Gui-Juan Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,070
citations

331670

21
h-index

345221

36
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42
all docs

42
docs citations

42
times ranked

2003
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed <i>meta</i> -Selective C-H Bond Activation with a Nitrile-Containing Template: Computational Study on Mechanism and Origins of Selectivity. <i>Journal of the American Chemical Society</i> , 2014, 136, 344-355.	13.7	317
2	miRTarBase update 2022: an informative resource for experimentally validated miRNA-target interactions. <i>Nucleic Acids Research</i> , 2022, 50, D222-D230.	14.5	294
3	Computational Organic Chemistry: Bridging Theory and Experiment in Establishing the Mechanisms of Chemical Reactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 1706-1725.	13.7	271
4	Role of <i>N</i> -Acyl Amino Acid Ligands in Pd(II)-Catalyzed Remote C-H Activation of Tethered Arenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 894-897.	13.7	263
5	A Combined IM-MS/DFT Study on [Pd(MPAA)]-Catalyzed Enantioselective C-H Activation: Relay of Chirality through a Rigid Framework. <i>Chemistry - A European Journal</i> , 2015, 21, 11180-11188.	3.3	94
6	Catalytic Asymmetric Vinylogous Prins Cyclization: A Highly Diastereo- and Enantioselective Entry to Tetrahydrofurans. <i>Journal of the American Chemical Society</i> , 2016, 138, 14538-14541.	13.7	67
7	Dual role of ethyl bromodifluoroacetate in the formation of fluorine-containing heteroaromatic compounds. <i>Chemical Communications</i> , 2018, 54, 8960-8963.	4.1	60
8	Diastereo- and Enantioselective Catalytic Radical Oxysulfonylation of Alkenes in α,β -Unsaturated Ketoximes. <i>Chem</i> , 2020, 6, 1692-1706.	11.7	55
9	Silicon-Containing Formal 4-Electron Four-Membered Ring Systems: Antiaromatic, Aromatic, or Nonaromatic?. <i>Chemistry - A European Journal</i> , 2012, 18, 7516-7524.	3.3	51
10	Total Synthesis of Incarvilleatone and Incarviditone: Insight into Their Biosynthetic Pathways and Structure Determination. <i>Organic Letters</i> , 2012, 14, 4878-4881.	4.6	46
11	Nickel-Catalyzed Cross-Electrophile Coupling Reactions for the Synthesis of <i>gem</i> -Difluorovinyl Arenes. <i>ACS Catalysis</i> , 2020, 10, 13616-13623.	11.2	44
12	Nickel-Catalyzed Migratory Hydrocyanation of Internal Alkenes: Unexpected Diastereomeric Ligand-Controlled Regiodivergence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1883-1890.	13.8	43
13	Computational Studies on the Mechanism of the Copper-Catalyzed sp^3 -C-H Cross-Dehydrogenative Coupling Reaction. <i>ChemPlusChem</i> , 2013, 78, 943-951.	2.8	42
14	Enantioselective Formation of Cyano-Bearing All-Carbon Quaternary Stereocenters: Desymmetrization by Copper-Catalyzed <i>N</i> -Arylation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9555-9559.	13.8	42
15	Organocatalytic stereoselective cyanosilylation of small ketones. <i>Nature</i> , 2022, 605, 84-89.	27.8	37
16	Formal Syntheses of (\pm)-Platensimycin and (\pm)-Platencin via a Dual-Mode Lewis Acid Induced Cascade Cyclization Approach. <i>Journal of Organic Chemistry</i> , 2013, 78, 7912-7929.	3.2	33
17	Temperature- and Mechanical-Force-Responsive Self-Assembled Rhomboidal Metallacycle. <i>Organometallics</i> , 2019, 38, 4244-4249.	2.3	33
18	Directing-Group-Based Strategy Enabling Intermolecular Heck-Type Reaction of Cycloketone Oxime Esters and Unactivated Alkenes. <i>Organic Letters</i> , 2020, 22, 3524-3530.	4.6	29

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19	Mechanistic understanding of catalysis by combining mass spectrometry and computation. <i>Chemical Communications</i> , 2019, 55, 12749-12764.	4.1	25
20	Mechanistic Study on Pd/Mono-N-protected Amino Acid Catalyzed Vinylâ€Vinyl Coupling Reactions: Reactivity and <i>E/Z</i> Selectivity. <i>Organic Letters</i> , 2016, 18, 5240-5243.	4.6	22
21	Catalytic Reductive Pinacolâ€Type Rearrangement of Unactivated 1,2â€Diols through a Concerted, Stereoinvertive Mechanism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13377-13381.	13.8	22
22	Computational Study of B(C ₆ F ₅) ₃ -Catalyzed Selective Deoxygenation of 1,2-Diols: Cyclic and Noncyclic Pathways. <i>ACS Catalysis</i> , 2018, 8, 1697-1702.	11.2	22
23	Enantioselective Nickel-Catalyzed Hydrocyanative Desymmetrization of Norbornene Derivatives. <i>ACS Catalysis</i> , 2021, 11, 7578-7583.	11.2	20
24	Molecular dynamics study of taxadiene synthase catalysis. <i>Journal of Computational Chemistry</i> , 2018, 39, 1215-1225.	3.3	18
25	Hydroxyâ€Directed Rutheniumâ€Catalyzed Alkene/Alkyne Coupling: Increased Scope, Stereochemical Implications, and Mechanistic Rationale. <i>Angewandte Chemie</i> , 2017, 129, 3653-3658.	2.0	16
26	Ligand-Controlled Regiodivergent Nickel-Catalyzed Hydrocyanation of Silyl-Substituted 1,3-Diynes. <i>Organic Letters</i> , 2021, 23, 4045-4050.	4.6	14
27	Nickel-Catalyzed Regiodivergent Cyanation of Allylic Alcohols: Scope, Mechanism, and Application to the Synthesis of 1, <i>n</i> -Dinitriles. <i>ACS Catalysis</i> , 2021, 11, 13880-13890.	11.2	14
28	Highly Regioâ€and Stereoselective Niâ€Catalyzed Hydrocyanation of 1,3â€Enynes. <i>Chemistry - A European Journal</i> , 2020, 26, 5956-5960.	3.3	12
29	Salen-based bifunctional chemosensor for copper (II) ions: Inhibition of copper-induced amyloid- β^2 aggregation. <i>Analytica Chimica Acta</i> , 2020, 1097, 144-152.	5.4	11
30	Novel imprinted polyethyleneimine nano-fluorescent probes with controllable selectivity for recognizing and adsorbing metal ions. <i>RSC Advances</i> , 2017, 7, 36048-36055.	3.6	9
31	Catalytic Reductive Pinacolâ€Type Rearrangement of Unactivated 1,2â€Diols through a Concerted, Stereoinvertive Mechanism. <i>Angewandte Chemie</i> , 2017, 129, 13562-13566.	2.0	6
32	Ni-Catalyzed Isomerizationâ€Hydrocyanation Tandem Reactions: Access to Linear Nitriles from Aliphatic Internal Olefins. <i>Organic Letters</i> , 2021, 23, 486-490.	4.6	6
33	DFT Mechanistic Insights into Aldehyde Deformylations with Biomimetic Metalâ€Dioxygen Complexes: Distinct Mechanisms and Reaction Rules. <i>Jacs Au</i> , 2022, 2, 745-761.	7.9	6
34	Computational exploration of copper catalyzed vinylogous aerobic oxidation of unsaturated compounds. <i>Scientific Reports</i> , 2021, 11, 1304.	3.3	2
35	Mechanistic Studies on Copper-Catalyzed sp ³ -Câ€H Cross-Dehydrogenative Coupling Reaction. <i>Springer Theses</i> , 2017, , 111-126.	0.1	0
36	Mechanistic Studies on Pd(MPAA)-Catalyzed Enantioselective Câ€H Activation Reactions. <i>Springer Theses</i> , 2017, , 83-110.	0.1	0

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37	Mechanistic Studies on Pd(OAc) ₂ -Catalyzed Meta-C-H Activation Reaction. Springer Theses, 2017, , 43-62.	0.1	0
38	Mechanistic Studies on Pd(MPAA)-Catalyzed Meta- and Ortho-C-H Activation Reactions. Springer Theses, 2017, , 63-81.	0.1	0