

Guoqiang Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2234621/publications.pdf>

Version: 2024-02-01

43
papers

1,768
citations

279798

23
h-index

276875

41
g-index

46
all docs

46
docs citations

46
times ranked

1588
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic Insight into Hydroboration of Imines from Combined Computational and Experimental Studies. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	8
2	Iodoperfluoroalkylation of unactivated alkenes <i>via</i> pyridine-boryl radical initiated atom-transfer radical addition. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2857-2862.	2.8	8
3	Photoinduced manganese-catalysed hydrofluorocarbonylation of alkenes. , 2022, 1, 475-486.		36
4	Intramolecular Friedel-Crafts alkylation with a silylium-ion-activated cyclopropyl group: formation of tricyclic ring systems from benzyl-substituted vinylcyclopropanes and hydrosilanes. <i>Chemical Science</i> , 2021, 12, 569-575.	7.4	20
5	Mild reductive rearrangement of oximes and oxime ethers to secondary amines with hydrosilanes catalyzed by B(C ₆ F ₅) ₃ . <i>Organic Chemistry Frontiers</i> , 2021, 8, 3280-3285.	4.5	6
6	Borane-catalyzed selective dihydrosilylation of terminal alkynes: reaction development and mechanistic insight. <i>Chemical Science</i> , 2021, 12, 10883-10892.	7.4	13
7	B(C ₆ F ₅) ₃ -Catalyzed Sequential Additions of Terminal Alkynes to <i>para</i> -Substituted Phenols: Selective Construction of Congested Phenol-Substituted Quaternary Carbons. <i>Organic Letters</i> , 2021, 23, 5533-5538.	4.6	10
8	B(C ₆ F ₅) ₃ -Catalyzed Hydroarylation of Aryl Alkynes for the Synthesis of 1,1-Diaryl and Triaryl Substituted Alkenes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5238-5242.	2.4	4
9	Mechanistic insights into the dearomative diborylation of pyrazines: a radical or non-radical process?. <i>Dalton Transactions</i> , 2021, 50, 6982-6990.	3.3	8
10	B(C ₆ F ₅) ₃ -Catalyzed Tandem Friedel-Crafts and C-H/C=O Coupling Reactions of Dialkylanilines. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3082-3086.	3.3	6
11	Metal-free reductive coupling of aliphatic aldehydes/ketones with 4-cyanopyridines: expanded scope and mechanistic studies. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2744-2751.	4.5	24
12	Synthese eines gegenanionstabilisierten Bis(silylium)ions. <i>Angewandte Chemie</i> , 2020, 132, 10609-10613.	2.0	5
13	Synthesis of a Counteranion-Stabilized Bis(silylium) Ion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10523-10526.	13.8	16
14	Silylium-Ion-Promoted Ring-Opening Hydrosilylation and Disilylation of Unactivated Cyclopropanes. <i>Organic Letters</i> , 2020, 22, 1213-1216.	4.6	31
15	Silylium-Ion-Promoted (5+1) Cycloaddition of Aryl-Substituted Vinylcyclopropanes and Hydrosilanes Involving Aryl Migration. <i>Angewandte Chemie</i> , 2020, 132, 12284-12289.	2.0	5
16	Silylium-Ion-Promoted (5+1) Cycloaddition of Aryl-Substituted Vinylcyclopropanes and Hydrosilanes Involving Aryl Migration. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12186-12191.	13.8	25
17	Transition-Metal-Free Defluorosilylation of Fluoroalkenes with Silylboronates. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1009-1014.	4.9	49
18	Mechanistic Insight Into the AuCN Catalyzed Annulation Reaction of Salicylaldehyde and Aryl Acetylene: Cyanide Ion Promoted Umpolung Hydroacylation/Intramolecular Oxa-Michael Addition Mechanism. <i>Frontiers in Chemistry</i> , 2019, 7, 557.	3.6	3

#	ARTICLE	IF	CITATIONS
19	Lewis Acid-Catalyzed Selective Reductive Decarboxylative Pyridylation of <i>N</i> -Hydroxyphthalimide Esters: Synthesis of Congested Pyridine-Substituted Quaternary Carbons. <i>ACS Catalysis</i> , 2019, 9, 10142-10151.	11.2	42
20	Cooperative Au/Ag Dual-Catalyzed Cross-Dehydrogenative Biaryl Coupling: Reaction Development and Mechanistic Insight. <i>Journal of the American Chemical Society</i> , 2019, 141, 3187-3197.	13.7	101
21	Perfluoroalkylative pyridylation of alkenes via 4-cyanopyridine-boryl radicals. <i>Chemical Science</i> , 2019, 10, 2767-2772.	7.4	81
22	Selectivity control of Pd(PMe ₃) ₄ -catalyzed hydrogenation of internal alkynes to <i>E</i> -alkenes by reaction time and water content in formic acid. <i>Dalton Transactions</i> , 2019, 48, 10033-10042.	3.3	4
23	Chemoselective Borane-Catalyzed Hydroarylation of 1,3-Dienes with Phenols. <i>Angewandte Chemie</i> , 2019, 131, 1708-1713.	2.0	7
24	Chemoselective Borane-Catalyzed Hydroarylation of 1,3-Dienes with Phenols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1694-1699.	13.8	54
25	Organocatalytic reductive coupling of aldehydes with 1,1-diarylethylenes using an <i>in situ</i> generated pyridine-boryl radical. <i>Chemical Science</i> , 2018, 9, 3664-3671.	7.4	56
26	Selective C ^α -N Borylation of Alkyl Amines Promoted by Lewis Base. <i>Angewandte Chemie</i> , 2018, 130, 15447-15451.	2.0	42
27	Selective C ^α -N Borylation of Alkyl Amines Promoted by Lewis Base. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15227-15231.	13.8	166
28	Combined Molecular Dynamics and Coordinate Driving Method for Automatic Reaction Pathway Search of Reactions in Solution. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 5787-5796.	5.3	21
29	A selenium-catalysed para-amination of phenols. <i>Nature Communications</i> , 2018, 9, 4293.	12.8	43
30	Organocatalytic decarboxylative alkylation of <i>N</i> -hydroxy-phthalimide esters enabled by pyridine-boryl radicals. <i>Chemical Communications</i> , 2018, 54, 11534-11537.	4.1	42
31	Inverse-Frustrated Lewis Pairs: An Inverse FLP Approach to the Catalytic Metal Free Hydrogenation of Ketones. <i>Chemistry - A European Journal</i> , 2018, 24, 16526-16531.	3.3	23
32	Metal-Free Synthesis of C-4 Substituted Pyridine Derivatives Using Pyridine-boryl Radicals via a Radical Addition/Coupling Mechanism: A Combined Computational and Experimental Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 3904-3910.	13.7	108
33	Automatic Reaction Pathway Search via Combined Molecular Dynamics and Coordinate Driving Method. <i>Journal of Physical Chemistry A</i> , 2017, 121, 1351-1361.	2.5	61
34	Understanding the polymorphism-dependent emission properties of molecular crystals using a refined QM/MM approach. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17516-17520.	2.8	8
35	Rh-catalyzed double C-H activation of aldehyde hydrazones: a route for functionalized 1H-indazole synthesis. <i>Chemical Science</i> , 2017, 8, 1303-1308.	7.4	45
36	Visible-Light Photoredox-Catalyzed C-H Difluoroalkylation of Hydrazones through an Aminyl Radical/Polar Mechanism. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2939-2943.	13.8	176

#	ARTICLE	IF	CITATIONS
37	Visible-Light Photoredox-Catalyzed C-H Difluoroalkylation of Hydrazones through an Aminyl Radical/Polar Mechanism. <i>Angewandte Chemie</i> , 2016, 128, 2992-2996.	2.0	36
38	Thiyl-Radical-Catalyzed Photoreductive Hydrodifluoroacetamidation of Alkenes with Hantzsch Ester as a Multifunctional Reagent. <i>ACS Catalysis</i> , 2016, 6, 7471-7474.	11.2	45
39	Difluoroalkylation/C-H Annulation Cascade Reaction Induced by Visible-Light Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 9992-10001.	3.2	54
40	Intermolecular C-H Quaternary Alkylation of Aniline Derivatives Induced by Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2016, 18, 4538-4541.	4.6	37
41	Homolytic Cleavage of a B-B Bond by the Cooperative Catalysis of Two Lewis Bases: Computational Design and Experimental Verification. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5985-5989.	13.8	143
42	Homolytic Cleavage of a B-B Bond by the Cooperative Catalysis of Two Lewis Bases: Computational Design and Experimental Verification. <i>Angewandte Chemie</i> , 2016, 128, 6089-6093.	2.0	35
43	Hantzsch Ester as a Photosensitizer for the Visible-Light-Induced Debromination of Vicinal Dibromo Compounds. <i>Chemistry - A European Journal</i> , 2016, 22, 9546-9550.	3.3	60