

# Xiao-Guang Bao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1048535/publications.pdf>

Version: 2024-02-01

53  
papers

1,031  
citations

430874

18  
h-index

454955

30  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanistic insights into nickel- and gold-catalyzed diastereoselective [4 + 2 + 1] cycloadditions between dienyne and diazo compounds: a DFT study. <i>Organic Chemistry Frontiers</i> , 2022, 9, 693-702.	4.5	6
2	Understanding diversified chemoseletivities in Rh <sub>2</sub> (II)-catalyzed intramolecular annulation reactions of diazo and N-Sulfonyl-1,2,3-triazole compounds: A DFT study. <i>Molecular Catalysis</i> , 2022, 517, 112047.	2.0	1
3	Facile preparation of dihydro-1,4-benzothiazine derivatives <i>via</i> oxidative ring-expansion of 2-aminobenzothiazoles with olefins. <i>Chemical Communications</i> , 2022, 58, 2216-2219.	4.1	5
4	Cycloaddition of di-substituted epoxides and CO <sub>2</sub> under ambient conditions catalysed by rare-earth poly(phenolate) complexes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2969-2979.	6.0	11
5	Acyclic nitronate olefin cycloaddition (ANOC): regio- and stereospecific synthesis of isoxazolines. <i>Chemical Science</i> , 2021, 12, 774-779.	7.4	15
6	Mechanistic insights into the Rh( <i>sc</i> ) <sub>2</sub> -catalyzed transannulation of 1,2,3-thiadiazoles with alkenes, alkynes, and nitriles: Does the intermediacy of $\pi$ -thiavinyl Rh-carbenoids play an important role?. <i>Organic Chemistry Frontiers</i> , 2021, 8, 310-318.	4.5	16
7	Intramolecular Alder-ene cycloisomerization of cyclopropenes with alkenes to access spirocycles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4799-4804.	4.5	1
8	Silver-catalyzed desulfurizative annulation of 1,2-benzisothiazoles with ynamides to construct multi-substituted isoquinolines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5446-5453.	4.5	3
9	Nickel/Photoredox Dual Catalytic Cross-Coupling of Alkyl and Amidyl Radicals to Construct C(sp <sup>3</sup> ) <sup>3</sup> -N Bonds. <i>ACS Catalysis</i> , 2021, 11, 5026-5034.	11.2	19
10	Understanding Mechanistic Differences between 3- <i>endo</i> -Diazindolin-2-ylamines and N-Sulfonyl-1,2,3-Triazoles in the Rh <sub>2</sub> (II)-Catalyzed Reactions with Nitrosoarenes. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1565-1572.	4.9	4
11	[2 + 2 + 1] Cycloaddition of <i>N</i> -tosylhydrazones, <i>tert</i> -butyl nitrite and alkenes: a general and practical access to isoxazolines. <i>Chemical Science</i> , 2021, 12, 9823-9830.	7.4	15
12	Visible-light photocatalytic preparation of alkenyl thioethers from 1,2,3-thiadiazoles and Hantzsch esters: synthetic and mechanistic investigations. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6499-6507.	4.5	3
13	Au(I)-Catalyzed Annulation of Benzofurazan N-oxides with Ynamides: From Predicting the Chemo-selectivity to the Synthesis of 7-Nitroindole Derivatives. <i>Chinese Journal of Chemistry</i> , 2020, 38, 57-62.	4.9	14
14	Radical-Mediated Distal Ipso-Migration of O/S-Containing Heteroaryls and DFT Studies for Migratory Aptitude. <i>Organic Letters</i> , 2020, 22, 5947-5952.	4.6	33
15	Transition Metal-Free, Base-Induced Arylation of Amino Acids: Synthesis of <i>N</i> -( <i>para</i> -Substituted) Tj ETQq1 1.0784314 rgBT /Ov 1.5	1.5	2
16	Mechanistic Insights into the Rh(I)/Rh <sub>2</sub> (II)-Catalyzed Divergent Ring-Opening of Cyclopropenes: A Computational Study. <i>ChemCatChem</i> , 2020, 12, 5656-5663.	3.7	3
17	Mechanistic Understanding of the Pd(0)-Catalyzed Coupling Cyclization of 1,2-Allenyl Ketones with Aryl Halides: A Computational Study. <i>ACS Catalysis</i> , 2020, 10, 13202-13212.	11.2	14
18	Synthesis and <i>in vitro</i> anticancer activities of substituted <i>N</i> -(4-nitrophenyl)- <i>N</i> -prolinamides. <i>Royal Society Open Science</i> , 2020, 7, 200906.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Oxidative Ring-Opening of 1-H-Pyrazolo-5-Imines and Its Application in Constructing Pyrazolo-Pyrrolo-Pyrazine Scaffolds by Domino Cyclization. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2956-2961.	2.4	7
20	Synthesis of 2-(3-Arylallylidene)-3-oxindoles via Dirhodium(II)-Catalyzed Reaction of 3-Diazoindolin-2-Imines with 1-Aryl-Substituted Allylic Alcohols and Computational Insights. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1292-1297.	4.3	9
21	Mechanistic insights into the gold-catalyzed annulation of propiolates with isoxazoles: a DFT study. <i>Chemical Communications</i> , 2019, 55, 11127-11130.	4.1	11
22	Lewis Base/Brønsted Acid Co-catalyzed Enantioselective Sulfenylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12491-12496.	13.8	54
23	Highly Site-Selective Formation of Perfluoroalkylated Anilids via a Protecting Strategy by Molybdenum Hexacarbonyl Catalyst. <i>Organic Letters</i> , 2019, 21, 6481-6484.	4.6	21
24	Lewis Base/Brønsted Acid Co-catalyzed Enantioselective Sulfenylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie</i> , 2019, 131, 12621-12626.	2.0	11
25	Gold-Catalyzed Silyl-Migrative Cyclization of Homopropargylic Alcohols Enabled by Bifunctional Biphenyl-2-ylphosphine and DFT Studies. <i>Organic Letters</i> , 2019, 21, 7791-7794.	4.6	11
26	Copper-Catalyzed Oxidative sp <sup>3</sup> -Carbon Radical Cross-Coupling with Trialkylphosphites Leading to $\pm$ -Phosphonyl 1,3-Dicarbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2019, 84, 2351-2357.	3.2	16
27	<i>n</i> -Butyllithium catalyzed hydroboration of imines and alkynes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 648-653.	4.5	64
28	Insights into the Mechanisms and Chemoselectivities of Carbamates and Amides in Reactions Involving Rh(II)-Azavinylcarbene: A Computational Study. <i>Journal of Organic Chemistry</i> , 2019, 84, 8151-8159.	3.2	5
29	Intermolecular C-H Amidation of (Hetero)arenes to Produce Amides through Rhodium-Catalyzed Carbonylation of Nitrene Intermediates. <i>Angewandte Chemie</i> , 2019, 131, 8979-8984.	2.0	6
30	Intermolecular C-H Amidation of (Hetero)arenes to Produce Amides through Rhodium-Catalyzed Carbonylation of Nitrene Intermediates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8887-8892.	13.8	35
31	Rhodium-catalyzed annulation of <i>N</i> -sulfonyl-1,2,3-triazoles with 1,3,5-triazinanes to produce octahydro-1- <i>H</i> -purine derivatives: a combined experimental and computational study. <i>Chemical Communications</i> , 2019, 55, 6090-6093.	4.1	42
32	Intramolecular Imino-ene Reaction of Azirines: Regioselectivity, Diastereoselectivity, and Computational Insights. <i>Journal of Organic Chemistry</i> , 2019, 84, 4095-4103.	3.2	4
33	Computational insights into different chemoselectivities in Rh <sub>2</sub> -catalyzed <i>N</i> -aryl nitrene and analogous Rh <sub>2</sub> /Cu-catalyzed aryl-substituted carbene involving reactions. <i>Catalysis Science and Technology</i> , 2019, 9, 1518-1527.	4.1	6
34	Mechanistic insights into the different chemoselectivities of Rh <sub>2</sub> -catalyzed ring expansion of cyclobutanol-substituted aryl azides and C-H bond amination of cyclopentanol-substituted aryl azides: a DFT study. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1471-1482.	4.5	14
35	Significant enhancement of the photovoltaic performance of organic small molecule acceptors via side-chain engineering. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7988-7996.	10.3	38
36	Mechanistic insights into Pd(0)-catalyzed intermolecular and intramolecular hydroamination of methylenecyclopropanes: a computational study. <i>Dalton Transactions</i> , 2018, 47, 5660-5669.	3.3	9

#	ARTICLE	IF	CITATIONS
37	Computational Insights into the Gold-Catalyzed Ring-Opening of Methylenecyclopropanes and Vinylcyclopropanes with Sulfonamides. <i>ChemCatChem</i> , 2018, 10, 2817-2825.	3.7	19
38	Lanthanide aryloxides catalyzed hydroboration of aldehydes and ketones. <i>Catalysis Communications</i> , 2018, 112, 26-30.	3.3	29
39	Computational insights into the mechanisms of Ru-catalyzed cycloisomerization of 2-ethynylaniline and 2-(2-propynyl)tosylanilide: The role of pyridine in assisting the metal-vinylidene formation. <i>Journal of Organometallic Chemistry</i> , 2018, 864, 160-168.	1.8	7
40	Highly efficient hydroboration of carbonyl compounds catalyzed by tris(methylcyclopentadienyl)lanthanide complexes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2787-2791.	2.8	44
41	Mechanistic Insights into Cyclopropenes-Involved Carbonylative Carbocyclization Catalyzed by Rh(I) Catalyst: A DFT Study. <i>Journal of Organic Chemistry</i> , 2018, 83, 12734-12743.	3.2	13
42	<i>n</i> -Butyllithium Catalyzed Selective Hydroboration of Aldehydes and Ketones. <i>Journal of Organic Chemistry</i> , 2018, 83, 10677-10683.	3.2	55
43	Experimental and computational studies on H <sub>2</sub> O-promoted, Rh-catalyzed transient-ligand-free <i>ortho</i> -C(sp <sup>2</sup> )-H amidation of benzaldehydes with dioxazolones. <i>Chemical Communications</i> , 2018, 54, 8889-8892.	4.1	35
44	[3 + 2] Cycloaddition of Nitrile Ylides with Diazonium Salts: Copper-Catalyzed One-Pot Synthesis of Fully Substituted 1,2,4-Triazoles. <i>Organic Letters</i> , 2018, 20, 5224-5227.	4.6	31
45	<i>In situ</i> generation of nitrile oxides from copper carbene and <i>tert</i> -butyl nitrite: synthesis of fully substituted isoxazoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4683-4687.	2.8	26
46	Understanding the chemoselectivities between carbonyl and hydroxyl groups in the Rh( <i>η</i> -azavinyl carbene) involved reactions. <i>Catalysis Science and Technology</i> , 2018, 8, 3379-3386.	4.1	12
47	Computational insights into the mechanisms of Au( <i>η</i> -)-catalysed intramolecular addition of the hydroxylamine group onto alkynes. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1130-1136.	4.5	15
48	Cobalt(II)-Catalyzed Synthesis of Sulfonyl Guanidines via Nitrene Radical Coupling with Isonitriles: A Combined Experimental and Computational Study. <i>ACS Catalysis</i> , 2017, 7, 3893-3899.	11.2	85
49	Mechanistic Insights into the Rh-Catalyzed Transannulation of Pyridotriazole with Phenylacetylene and Benzonitrile: A DFT Study. <i>Journal of Organic Chemistry</i> , 2017, 82, 3751-3759.	3.2	39
50	Mechanistic Investigations of the AuCl <sub>3</sub> -Catalyzed Nitrene Insertion into an Aromatic C-H Bond of Mesitylene. <i>Journal of Organic Chemistry</i> , 2015, 80, 5795-5803.	3.2	10
51	Cu-based carbene involved in a radical process: a new crossover reaction to construct $\hat{I}^3$ -peroxy esters and 1,4-dicarbonyl compounds. <i>Chemical Communications</i> , 2015, 51, 14728-14731.	4.1	62
52	Computational exploration of the mechanism of copper-catalyzed aromatic C-H bond amination of benzene via a nitrene insertion approach. <i>Chemical Communications</i> , 2015, 51, 15414-15417.	4.1	19
53	Computational Investigations on the Transition-Metal-Catalyzed Cross-Coupling of Enynones with Diazo Compounds. <i>Topics in Catalysis</i> , 0, , 1.	2.8	0