

Weihui Zhong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7347842/publications.pdf>

Version: 2024-02-01

47
papers

951
citations

430874

18
h-index

501196

28
g-index

47
all docs

47
docs citations

47
times ranked

888
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Enantioselective Synthesis of Chiral Benzhydrols via Manganese Catalyzed Asymmetric Hydrogenation of Unsymmetrical Benzophenones Using an Imidazole-Based Chiral PNN Tridentate Ligand. <i>Organic Letters</i> , 2019, 21, 3937-3941.	4.6	76
2	Traceless Directing Group Assisted Cobalt-Catalyzed C-H Carbonylation of Benzylamines. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3707-3712.	4.3	71
3	Development of Ferrocene-Based Diamine-Phosphine-Sulfonamide Ligands for Iridium-Catalyzed Asymmetric Hydrogenation of Ketones. <i>Journal of Organic Chemistry</i> , 2018, 83, 10749-10761.	3.2	58
4	Metal-Oxidant-Free Cobalt-Catalyzed C(sp ²)-H Carbonylation of <i>ortho</i> -Arylanilines: An Approach toward Free (NH)-Phenanthridinones. <i>Journal of Organic Chemistry</i> , 2018, 83, 5698-5706.	3.2	42
5	Recent Advances in Construction of Nitrogen-containing Heterocycles from Baylis-Hillman Adducts. <i>Organic Preparations and Procedures International</i> , 2011, 43, 1-66.	1.3	36
6	Construction of spirooxindole-fused spiropyrazolones containing contiguous three stereogenic centres via [3 + 2] annulation utilizing a ferrocene derived bifunctional phosphine catalyst. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1016-1021.	4.5	34
7	Metal- and oxidant-free electrochemical synthesis of sulfinic esters from thiols and alcohols. <i>Green Chemistry</i> , 2019, 21, 5528-5531.	9.0	32
8	Ruthenium-Catalyzed Electrochemical Synthesis of Indolines through Dehydrogenative [3 + 2] Annulation with H ₂ Evolution. <i>Journal of Organic Chemistry</i> , 2020, 85, 13735-13746.	3.2	32
9	Highly Enantioselective Hydrogenation of Non- <i>ortho</i> -Substituted 2-Pyridyl Aryl Ketones via Iridium-DiPhos Catalysis. <i>Organic Letters</i> , 2019, 21, 5392-5396.	4.6	30
10	Cobalt(II)-Catalyzed [5+2] C-H Annulation of <i>ortho</i> -Arylanilines with Alkynes: An Expedient Route to Dibenzo[b,d]azepines. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3094-3101.	4.3	30
11	B(C ₆ F ₅) ₃ -catalyzed Markovnikov addition of indoles to aryl alkynes: an approach toward bis(indolyl)alkanes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9274-9278.	2.8	28
12	The cinchona alkaloid squaramide catalyzed asymmetric Pictet-Spengler reaction and related theoretical studies. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 566-574.	2.8	27
13	Metal-Free Catalytic Hydrogenation of Imines with Recyclable [2.2]Paracyclophane-Derived Frustrated Lewis Pairs Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1747-1752.	4.3	25
14	B(C ₆ F ₅) ₃ -Catalyzed Asymmetric Reductive Amination of Ketones with Ammonia Borane. <i>Journal of Organic Chemistry</i> , 2018, 83, 11502-11509.	3.2	25
15	Chiral bifunctional ferrocenylphosphine catalyzed highly enantioselective [3 + 2] cycloaddition reaction. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 752-760.	2.8	24
16	Phosphine-catalyzed [3 + 2] annulation reaction: highly regio- and diastereoselective synthesis of 2-azaspiro[4.4]nonene-1,3-diones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7523-7526.	2.8	23
17	Electrosynthesis of CF ₃ -Substituted Polycyclic Quinazolinones via Cascade Trifluoromethylation/Cyclization of Unactivated Alkene. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1319-1325.	4.3	23
18	Enantioselective Allylic Substitution of Morita-Baylis-Hillman Adducts Catalyzed by Chiral Bifunctional Ferrocenylphosphines. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2139-2144.	2.4	22

#	ARTICLE	IF	CITATIONS
19	Copper Catalysis for Nicotinate Synthesis through α -Alkenylation/Cyclization of Saturated Ketones with β -Enamino Esters. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 444-448.	4.3	22
20	Divergent electrolysis for the controllable coupling of thiols with 1,2-dichloroethane: a mild approach to sulfide and sulfoxide. <i>Green Chemistry</i> , 2022, 24, 1342-1349.	9.0	21
21	Late-stage diversification by ruthenium electro-catalyzed C-H mono- and di-acyloxylation. <i>Green Synthesis and Catalysis</i> , 2020, 1, 175-179.	6.8	20
22	Recyclable and reusable n -Bu ₄ NBF ₄ /PEG-400/H ₂ O system for electrochemical C-3 formylation of indoles with Me ₃ N as a carbonyl source. <i>Green Chemistry</i> , 2021, 23, 4107-4113.	9.0	19
23	Synthesis of Chromeno[3,4- <i>b</i>]pyrrolones through the Domino Cyclization of β -Aminocoumarins with Arylglyoxal Monohydrates. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2258-2265.	2.4	18
24	Divergent synthesis of spirocyclopentene-pyrazolones and pyrano[2,3- <i>c</i>]pyrazoles via Lewis base controlled annulation reactions. <i>Tetrahedron Letters</i> , 2019, 60, 151206.	1.4	17
25	Manganese-Catalyzed Enantioselective Hydrogenation of Simple Ketones Using an Imidazole-Based Chiral PNN Tridentate Ligand. <i>Synlett</i> , 2020, 31, 285-289.	1.8	17
26	Ruthenium catalyzed α -methylation of sulfones with methanol as a sustainable C1 source. <i>Organic Chemistry Frontiers</i> , 2021, 8, 120-126.	4.5	17
27	Progress of Frustrated Lewis Pairs in Catalytic Hydrogenation. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 301.	1.3	17
28	Asymmetric [3+2]-Cycloaddition of Morita-Baylis-Hillman Carbonates with Maleimides Catalyzed by Chiral Ferrocenylphosphines. <i>Synthetic Communications</i> , 2014, 44, 3392-3399.	2.1	15
29	B(C ₆ F ₅) ₃ -catalyzed oxidative deamination/cyclization cascade reaction of benzylamines and ketones for the synthesis of 2,4,6-triarylpyridines. <i>Tetrahedron Letters</i> , 2018, 59, 3678-3682.	1.4	15
30	Syntheses of <i>N</i> -Alkyl 2-Arylindoles from Saturated Ketones and 2-Arylethynylanilines via Cu-Catalyzed Sequential Dehydrogenation/Aza-Michael Addition/Annulation Cascade. <i>Journal of Organic Chemistry</i> , 2020, 85, 3224-3233.	3.2	14
31	Enantioselective synthesis of functionalized 1,4-dihydropyrazolo-[4,3- <i>b</i>]pyrano[2,3- <i>c</i>]quinolines through ferrocenyl-phosphine-catalyzed annulation of modified MBH carbonates and pyrazolones. <i>Chemical Communications</i> , 2021, 57, 4690-4693.	4.1	13
32	Design of chiral ferrocenylphosphine-spiro phosphonamidite ligands for ruthenium-catalyzed highly enantioselective coupling of 1,2-diols with amines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6830-6836.	4.5	13
33	Synthesis of 1- <i>H</i> -Tetrazol-5-yl-2- <i>H</i> -isoindole Derivatives through Ugi Four-Component and Silver-Catalyzed Reactions. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3379-3386.	2.4	12
34	Manganese catalyzed enantio- and regioselective hydrogenation of α,β -unsaturated ketones using an imidazole-based chiral PNN tridentate ligand. <i>Tetrahedron Letters</i> , 2021, 82, 153389.	1.4	10
35	Dramatically Accelerated Addition Under Solvent-Free Conditions: An Efficient Synthesis of (<i>E</i>)-1,2,4-Triazole-Substituted Alkenes from Baylis-Hillman Acetates. <i>Synthetic Communications</i> , 2008, 38, 3291-3302.	2.1	8
36	Efficient and mild swern oxidation using a new sulfoxide and bis-(trichloromethyl)carbonate. <i>Synthetic Communications</i> , 2016, 46, 885-892.	2.1	6

#	ARTICLE	IF	CITATIONS
37	Chiral Bifunctional Ferrocenylphosphine-Catalyzed Enantioselective Allylic Alkylation of Morita-Baylis-Hillman Carbonates with Pyrazolinones. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2417-2421.	2.7	6
38	Progress in Enantioselective Phosphine Organocatalysis. <i>Chinese Journal of Organic Chemistry</i> , 2013, 33, 954.	1.3	6
39	A convenient synthesis of 1,2,4-triazol-5-yl-1,4-benzothiazine derivatives. <i>Heteroatom Chemistry</i> , 2008, 19, 332-336.	0.7	5
40	Efficient Synthesis of a New Type of Baylis-Hillman Adducts and Their Stereoselective Bromination. <i>Synthetic Communications</i> , 2010, 40, 2441-2456.	2.1	5
41	Iridium-Catalyzed Enantioselective and Diastereoselective Hydrogenation of Racemic α -keto-Amino Esters via Dynamic Kinetic Resolution. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4714-4719.	2.2	5
42	Rh-Catalyzed Highly Enantioselective Hydrogenation of Functionalized Olefins with Chiral Ferrocenylphosphine-Spiro Phosphonamidite Ligands. <i>Journal of Organic Chemistry</i> , 2022, 87, 7864-7874.	3.2	4
43	Synthesis of substituted quinolines via B(C ₆ F ₅) ₃ -catalyzed aniline-aldehyde-pyruvate oxidative annulation. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 3333-3342.	2.6	3
44	Iridium-diaphos catalyzed asymmetric hydrogenation of 2-imidazolyl aryl/alkyl ketones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9746-9751.	2.8	2
45	Front Cover Picture: Traceless Directing Group Assisted Cobalt-Catalyzed C-H Carbonylation of Benzylamines (Adv. Synth. Catal. 21/2017). <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3675-3675.	4.3	1
46	Dimethyl Sulfoxide-Accelerated Reductive Deamination of Aromatic Amines with T-BuONO in Tetrahydrofuran. <i>Journal of Chemical Research</i> , 2018, 42, 579-583.	1.3	1
47	Development of [3]ferrocenophane-derived N/B frustrated Lewis pairs for the metal-free catalytic hydrogenation of imines. <i>Synthetic Communications</i> , 2019, 49, 522-528.	2.1	1