

Wei Meng

List of Publications by Year in descending order

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32
papers

1,084
citations

567281

15
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Frustrated Lewis Pairs Catalyzed Asymmetric Metal-Free Hydrogenations and Hydrosilylations. <i>Accounts of Chemical Research</i> , 2018, 51, 191-201.	15.6	214
2	A Frustrated Lewis Pair Catalyzed Asymmetric Transfer Hydrogenation of Imines Using Ammonia Borane. <i>Journal of the American Chemical Society</i> , 2016, 138, 12956-12962.	13.7	147
3	Asymmetric Transfer Hydrogenations of 2,3-Disubstituted Quinoxalines with Ammonia Borane. <i>Organic Letters</i> , 2017, 19, 2604-2606.	4.6	84
4	Dicyclohepta[<i>h</i> , <i>k</i>]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Nonbenzenoid Nanographene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3529-3533.	13.8	82
5	Borane-Catalyzed Transfer Hydrogenations of Pyridines with Ammonia Borane. <i>Organic Letters</i> , 2016, 18, 5189-5191.	4.6	68
6	Asymmetric Hydrogenation of Ketones and Enones with Chiral Lewis Base Derived Frustrated Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4498-4504.	13.8	64
7	A Continuously Regenerable Chiral Ammonia Borane for Asymmetric Transfer Hydrogenations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12111-12115.	13.8	47
8	Substrate-Induced Dimerization Assembly of Chiral Macrocyclic Catalysts toward Cooperative Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2623-2627.	13.8	43
9	Dicyclohepta[<i>h</i> , <i>k</i>]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Nonbenzenoid Nanographene. <i>Angewandte Chemie</i> , 2020, 132, 3557-3561.	2.0	33
10	<i>C</i> ₂ -Symmetric Chiral Bisoxazolines as Hydrogen-Bond-Acceptor Catalysts in Enantioselective Aldol Reaction of β -Carbonyl Acids with Trifluoroacetaldehyde Hemiacetals. <i>Organic Letters</i> , 2016, 18, 6364-6367.	4.6	32
11	Asymmetric Catalysis with Chiral Frustrated Lewis Pairs. <i>Chinese Journal of Chemistry</i> , 2020, 38, 625-634.	4.9	26
12	B(C ₆ F ₅) ₃ -catalyzed metal-free hydrogenation of 3,6-diarylpyridazines. <i>Dalton Transactions</i> , 2016, 45, 5945-5948.	3.3	23
13	Chiral FLP-catalyzed asymmetric hydrogenation of 3-fluorinated chromones. <i>Chemical Communications</i> , 2022, 58, 1558-1560.	4.1	20
14	Asymmetric hydrogenation of imines with chiral alkene-derived boron Lewis acids. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8686-8689.	2.8	18
15	Relay Catalysis by Achiral Borane and Chiral Phosphoric Acid in the Metal-Free Asymmetric Hydrogenation of Chromones. <i>Organic Letters</i> , 2021, 23, 8565-8569.	4.6	18
16	Asymmetric Hydrogenation of Ketones and Enones with Chiral Lewis Base Derived Frustrated Lewis Pairs. <i>Angewandte Chemie</i> , 2020, 132, 4528-4534.	2.0	17
17	A Continuously Regenerable Chiral Ammonia Borane for Asymmetric Transfer Hydrogenations. <i>Angewandte Chemie</i> , 2018, 130, 12287-12291.	2.0	16
18	Substrate-Induced Dimerization Assembly of Chiral Macrocyclic Catalysts toward Cooperative Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 2645-2649.	2.0	14

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19	Regenerable Dihydrophenanthridine via Borane-Catalyzed Hydrogenation for the Asymmetric Transfer Hydrogenation of Benzoxazinones. <i>Organic Letters</i> , 2022, 24, 3955-3959.	4.6	14
20	Highly Stereoselective Metal-Free Hydrogenations of Pyrrolo[1,2- <i>a</i>]quinoxalines. <i>Organic Letters</i> , 2018, 20, 5653-5656.	4.6	13
21	Frustrated Lewis Pair Catalyzed Asymmetric Reactions. <i>Molecular Catalysis</i> , 2021, , 29-86.	1.3	13
22	Chiral Dienes: From Ligands to <i>FLP</i> Catalysts. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1109-1116.	4.9	13
23	Chiral phosphoric acid catalyzed asymmetric transfer hydrogenation of bulky aryl ketones with ammonia borane. <i>Tetrahedron Letters</i> , 2020, 61, 151394.	1.4	10
24	An efficient strategy for achieving controlled ring-opening polymerization of <i>o</i> -carboxyanhydrides via amine initiation in collaboration with metal-alkoxide catalysis. <i>Polymer Chemistry</i> , 2018, 9, 5014-5023.	3.9	9
25	<i>B(C₆F₅)₃</i> -Catalyzed Hydroboration of Alkenes with <i>N</i> -Heterocyclic Carbene Boranes via <i>B</i> -H Bond Activation. <i>Chinese Journal of Chemistry</i> , 2021, 39, 918-926.	4.9	9
26	A perylene five-membered ring diimide for organic semiconductors and π -expanded conjugated molecules. <i>Chemical Communications</i> , 2022, 58, 5100-5103.	4.1	9
27	<i>B(C₆F₅)₃</i> -catalyzed divergent cyanosilylations of chromones dependent on temperature. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8354-8357.	2.8	7
28	Asymmetric Intramolecular Hydroalkoxylation of 2-Vinylbenzyl Alcohols with Chiral <i>Boro</i> - <i>Phosphates</i> . <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
29	Asymmetric Hydrogenation by Relay Catalysis with FLPs and CPAs: Stereodivergent Synthesis of 3-Substituted Flavanones. <i>Journal of Organic Chemistry</i> , 2022, 87, 10544-10549.	3.2	7
30	Modification of Molecular Sieves USY and Their Application in the Alkylation Reaction of Benzene with Cyclohexene. <i>ChemistrySelect</i> , 2020, 5, 8935-8941.	1.5	4
31	Rapid, controlled ring-opening polymerization of salicylic acid <i>o</i> -carboxyanhydride for poly(salicylate) synthesis. <i>Polymer Chemistry</i> , 0, , .	3.9	3
32	Asymmetric Intramolecular Hydroalkoxylation of 2-Vinylbenzyl Alcohols with Chiral <i>Boro</i> - <i>Phosphates</i> . <i>Angewandte Chemie</i> , 0, , .	2.0	0