

Meng Duan

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Chiral Phosphoric Acid Catalyzed Conversion of Epoxides into Thiiranes: Mechanism, Stereochemical Model, and New Catalyst Design. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
2	Hydrogen Abstraction by Alkoxy Radicals: Computational Studies of Thermodynamic and Polarity Effects on Reactivities and Selectivities. <i>Journal of the American Chemical Society</i> , 2022, 144, 6802-6812.	13.7	21
3	Organocatalytic discrimination of non-directing aryl and heteroaryl groups: enantioselective synthesis of bioactive indole-containing triarylmethanes. <i>Chemical Science</i> , 2022, 13, 5767-5773.	7.4	10
4	Deciphering Reactivity and Selectivity Patterns in Aliphatic C-H Bond Oxygenation of Cyclopentane and Cyclohexane Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 9925-9937.	3.2	6
5	Organocatalytic enantioselective dearomatization of thiophenes by 1,10-conjugate addition of indole imine methides. <i>Nature Communications</i> , 2021, 12, 4881.	12.8	36
6	High Site Selectivity in Electrophilic Aromatic Substitutions: Mechanism of C-H Thianthrenation. <i>Journal of the American Chemical Society</i> , 2021, 143, 16041-16054.	13.7	47
7	Stereochemical Control via Chirality Pairing: Stereodivergent Syntheses of Enantioenriched Homoallylic Alcohols. <i>Angewandte Chemie</i> , 2021, 133, 24298-24308.	2.0	8
8	Stereochemical Control via Chirality Pairing: Stereodivergent Syntheses of Enantioenriched Homoallylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24096-24106.	13.8	28
9	Development of β,β -Disubstituted Crotylboronate Reagents and Stereoselective Crotylation via Brønsted or Lewis Acid Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 18355-18368.	13.7	50
10	Catalytic enantioselective synthesis of chiral tetraarylmethanes. <i>Nature Catalysis</i> , 2020, 3, 1010-1019.	34.4	59
11	Chiral Phosphoric Acid Dual-Function Catalysis: Asymmetric Allylation with β -Vinyl Allylboron Reagents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10540-10548.	13.8	42
12	Chiral Phosphoric Acid Dual-Function Catalysis: Asymmetric Allylation with β -Vinyl Allylboron Reagents. <i>Angewandte Chemie</i> , 2020, 132, 10627-10635.	2.0	10
13	Asymmetric Desymmetrization of Oxetanes for the Synthesis of Chiral Tetrahydrothiophenes and Tetrahydroselenophenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18055-18060.	13.8	44
14	Asymmetric Desymmetrization of Oxetanes for the Synthesis of Chiral Tetrahydrothiophenes and Tetrahydroselenophenes. <i>Angewandte Chemie</i> , 2019, 131, 18223-18228.	2.0	10
15	Chiral Phosphoric Acid Catalyzed Conversion of Epoxides into Thiiranes: Mechanism, Stereochemical Model, and New Catalyst Design. <i>Angewandte Chemie</i> , 0, , .	2.0	6