

Pan-Lin Shao

List of Publications by Year in descending order

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papers

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279798

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citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral N-Heterocyclic Carbene Catalyzed Staudinger Reaction of Ketenes with Imines: Highly Enantioselective Synthesis of N-Boc β -Lactams. <i>Organic Letters</i> , 2008, 10, 277-280.	4.6	326
2	[4+2] Cycloaddition of Ketenes with N-Benzyldiazenes Catalyzed by N-Heterocyclic Carbenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 192-195.	13.8	225
3	Catalytic Divergent Synthesis of 3-H or 1-H Pyrroles by [3 + 2] Cyclization of Allenates with Activated Isocyanides. <i>Journal of the American Chemical Society</i> , 2015, 137, 628-631.	13.7	182
4	N-Heterocyclic Carbene-Catalyzed Cyclization of Unsaturated Acyl Chlorides and Ketones. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1943-1948.	4.3	176
5	Formal [3+2] Cycloaddition of Ketenes and Oxaziridines Catalyzed by Chiral Lewis Bases: Enantioselective Synthesis of Oxazolinones. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8412-8416.	13.8	148
6	Enantioselective Synthesis of β -Trifluoromethyl- β -lactones via NHC-Catalyzed Ketene-Ketone Cycloaddition Reactions. <i>Organic Letters</i> , 2009, 11, 4029-4031.	4.6	127
7	Highly Diastereo- and Enantioselective Silver-Catalyzed Double [3+2] Cyclization of β -Amino Esters with Isocyanoacetate. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5435-5439.	13.8	119
8	Enantioselective [4+2] cycloaddition of ketenes and 1-azadienes catalyzed by N-heterocyclic carbenes. <i>Chemical Communications</i> , 2011, 47, 2381-2383.	4.1	116
9	N-heterocyclic carbene-catalyzed radical reactions. <i>Science China Chemistry</i> , 2021, 64, 7-16.	8.2	87
10	Enantioselective Synthesis of Tetrahydropyridines/Piperidines via Stepwise [4 + 2]/[2 + 2] Cyclizations. <i>Organic Letters</i> , 2017, 19, 3111-3114.	4.6	60
11	Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14082-14088.	13.8	52
12	[3 + 2] Cycloaddition of Azaoxyallyl Cations with Cyclic Ketones: Access to Spiro-4-oxazolidinones. <i>Journal of Organic Chemistry</i> , 2017, 82, 10680-10686.	3.2	43
13	Catalytic Multisite-Selective Acetoxylation Reactions at sp^{2} vs sp^{3} C-H Bonds in Cyclic Olefins. <i>Organic Letters</i> , 2016, 18, 5014-5017.	4.6	42
14	Formal [3 + 2] cycloaddition of β -unsubstituted isocyanoacetates and methyleneindolinones: enantioselective synthesis of spirooxindoles. <i>Organic Chemistry Frontiers</i> , 2017, 4, 81-85.	4.5	41
15	Enantioselective [4+2] cycloaddition of ketenes and 9,10-phenanthrenequinone catalyzed by N-heterocyclic carbenes. <i>Tetrahedron Letters</i> , 2010, 51, 2316-2318.	1.4	38
16	Catalytic Asymmetric [3 + 2] Cycloaddition Reaction between Aurones and Isocyanoacetates: Access to Spiropyrrrolines via Silver Catalysis. <i>Journal of Organic Chemistry</i> , 2018, 83, 10995-11007.	3.2	34
17	Practical, highly stereoselective allyl- and crotylsilylation of aldehydes catalyzed by readily available Cinchona alkaloid amide. <i>Chemical Science</i> , 2013, 4, 3275.	7.4	30
18	Synthesis of Spiro-dihydroquinoline and Octahydrophenanthrene Derivatives via Palladium-Catalyzed Intramolecular Oxidative Arylation. <i>Organic Letters</i> , 2017, 19, 1354-1357.	4.6	28

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19	Nitrostyrene-Modified 2-(2-Hydroxyphenyl)benzothiazole: Enol-Emission Solvatochromism by ESICT-ESIPT and Aggregation-Induced Emission Enhancement. <i>Chemistry - A European Journal</i> , 2018, 24, 16670-16676.	3.3	25
20	Divergent, Enantioselective Synthesis of Pyrroles, 3-Hydroxy-2-pyrrolo[1,2-a]pyridines and Bicyclic Imidazolines by Ag-Catalyzed [3+2] Cycloaddition of Allenoates with Activated Isocyanides. <i>Chemistry - A European Journal</i> , 2018, 24, 10513-10520.	3.3	23
21	Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. <i>Angewandte Chemie</i> , 2019, 131, 14220-14226.	2.0	22
22	Transition-metal-free synthesis of polysubstituted pyrrole derivatives via cyclization of methyl isocyanoacetate with aurone analogues. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5422-5426.	2.8	21
23	Facile Synthesis of Enantiopure Sugar Alcohols: Asymmetric Hydrogenation and Dynamic Kinetic Resolution Combined. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18166-18171.	13.8	21
24	Catalytic asymmetric synthesis of pyrrolidine derivatives bearing heteroatom-substituted quaternary stereocenters. <i>Organic Chemistry Frontiers</i> , 2018, 5, 36-40.	4.5	19
25	Palladium-catalyzed oxidative arylacetoxylation of alkenes: synthesis of indole and indoline derivatives. <i>Chemical Communications</i> , 2017, 53, 11205-11208.	4.1	14
26	Synthesis of 1,4,5,6-tetrahydropyridazines and pyridazines via transition-metal-free (4 + 2) cycloaddition of alkoxyallenes with 1,2-diaza-1,3-dienes. <i>RSC Advances</i> , 2019, 9, 21507-21512.	3.6	14
27	Transition metal-catalyzed conversion of aldehydes to ketones. <i>Chinese Chemical Letters</i> , 2022, 33, 1207-1226.	9.0	13
28	Enantioselective Synthesis of Alkylthioetherpyrrolidine Derivatives via [3+2] Cycloaddition of β -Thioacrylates with Isocyanoacetates. <i>Journal of Organic Chemistry</i> , 2017, 82, 12869-12876.	3.2	12
29	Asymmetric hydrogenation of trifluoromethyl ketones: application in the synthesis of Odanacatib and LX-1031. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3705-3711.	4.5	12
30	Enantioselective Synthesis of Terminal 1,2-Diols from Acyl Chlorides. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2688-2692.	4.9	11
31	Double Asymmetric Hydrogenation of β -Iminoketones: Facile Synthesis of Enantiopure Vicinal Amino Alcohols. <i>ACS Catalysis</i> , 2021, 11, 12729-12735.	11.2	10
32	Asymmetric hydrogenation of 1,4-diketones: facile synthesis of enantiopure 1,4-diarylbutane-1,4-diols. <i>Chemical Communications</i> , 2021, 58, 262-265.	4.1	8
33	Dually responsive amphiphilic block copolymer with oxidation-responsiveness and tuneable LCST behaviours. <i>Materials Letters</i> , 2017, 201, 133-136.	2.6	6
34	Facile Synthesis of Enantiopure Sugar Alcohols: Asymmetric Hydrogenation and Dynamic Kinetic Resolution Combined. <i>Angewandte Chemie</i> , 2020, 132, 18323-18328.	2.0	5
35	Frontispiece: Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	13.8	0
36	Frontispiz: Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	0