

Xinshuai Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

984
citations

516681

16
h-index

642715

23
g-index

30
all docs

30
docs citations

30
times ranked

1251
citing authors

#	ARTICLE	IF	CITATIONS
1	Organocatalytic enantioselective β^2 -functionalization of aldehydes by oxidation of enamines and their application in cascade reactions. <i>Nature Communications</i> , 2011, 2, 211.	12.8	136
2	Iminium-Allenamine Cascade Catalysis: One-Pot Access to Chiral 4-Hydroxychromenes by a Highly Enantioselective Michael-Michael Sequence. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1481-1484.	13.8	127
3	Experimental Strategies for Functional Annotation and Metabolism Discovery: Targeted Screening of Solute Binding Proteins and Unbiased Panning of Metabolomes. <i>Biochemistry</i> , 2015, 54, 909-931.	2.5	95
4	An Organocatalytic Cascade Approach toward Polysubstituted Quinolines and Chiral 1,4-Dihydroquinolines: Unanticipated Effect of N-Protecting Groups. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7282-7286.	13.8	84
5	Prediction and characterization of enzymatic activities guided by sequence similarity and genome neighborhood networks. <i>ELife</i> , 2014, 3, .	6.0	81
6	One-Pot Access to 4-Hydroxychromenes with Formation of a Chiral Quaternary Stereogenic Center by a Highly Enantioselective Iminium-allenamine Involved Oxa-Michael-Aldol Cascade. <i>Organic Letters</i> , 2010, 12, 4948-4951.	4.6	78
7	Quinine-thiourea catalyzed enantioselective hydrophosphonylation of trifluoromethyl 2(1H)-quinazolinones. <i>Chemical Communications</i> , 2013, 49, 928-930.	4.1	60
8	Construction of Chiral Bridged Tricyclic Benzopyrans: Enantioselective Catalytic Diels-Alder Reaction and a One-Pot Reduction/Acid-Catalyzed Stereoselective Cyclization. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4940-4944.	13.8	47
9	Assignment of function to a domain of unknown function: DUF1537 is a new kinase family in catabolic pathways for acid sugars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4161-9.	7.1	46
10	Organocatalytic enantioselective Strecker reaction of cyclic trifluoromethyl-ketoimines. <i>Tetrahedron Letters</i> , 2013, 54, 1409-1411.	1.4	31
11	Total Synthesis of Polyene Natural Product Dihydroxerulin by Mild Organocatalyzed Dehydrogenation of Alcohols. <i>Chemistry - A European Journal</i> , 2012, 18, 2230-2234.	3.3	29
12	Functional assignment of multiple catabolic pathways for d-ribose. <i>Nature Chemical Biology</i> , 2018, 14, 696-705.	8.0	26
13	Synthesis of Benzoxazoles via an Amine-Catalyzed [4 + 1] Annulation. <i>Organic Letters</i> , 2013, 15, 2510-2513.	4.6	23
14	Highly Regio- and Stereoselective Synthesis of α - and β -Enol Esters by an Amine-Catalyzed Conjugate Addition-Rearrangement Reaction of Ynals with Carboxylic Acids. <i>ACS Catalysis</i> , 2016, 6, 8030-8035.	11.2	18
15	A Unique α -3-Hydroxy- β -proline Dehydratase in the Enolase Superfamily. <i>Journal of the American Chemical Society</i> , 2015, 137, 1388-1391.	13.7	13
16	Members of a Novel Kinase Family (DUF1537) Can Recycle Toxic Intermediates into an Essential Metabolite. <i>ACS Chemical Biology</i> , 2016, 11, 2304-2311.	3.4	12
17	Direct Transformation of Simple Enals to 3,4-Disubstituted Benzaldehydes under Mild Reaction Conditions via an Organocatalytic Regio- and Chemoselective Dimerization Cascade. <i>Chemistry - A European Journal</i> , 2012, 18, 9770-9774.	3.3	11
18	α -In Vitro Reconstitution of a Bacterial Ergothioneine Sulfonate Catabolic Pathway. <i>ACS Catalysis</i> , 2022, 12, 4825-4832.	11.2	5

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19	<i>In Vitro</i> Reconstitution of the Pantothenic Acid Degradation Pathway in <i>Ochrobactrum anthropi</i> . ACS Chemical Biology, 2021, 16, 1350-1353.	3.4	3
20	Identification of catabolic pathway for 1-deoxy-D-sorbitol in <i>Bacillus licheniformis</i> . Biochemical and Biophysical Research Communications, 2022, 586, 81-86.	2.1	3