Shuaihua Gao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8762034/publications.pdf

Version: 2024-02-01

15	218	1040056	1058476
papers	citations	9	14
		h-index	g-index

16	16	16	214
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discovery of a Novel (+)-Î³-Lactamase from Bradyrhizobium japonicum USDA 6 by Rational Genome Mining. Applied and Environmental Microbiology, 2012, 78, 7492-7495.	3.1	33
2	Characterization of a (R)-selective amine transaminase from Fusarium oxysporum. Process Biochemistry, 2017, 63, 130-136.	3.7	32
3	Efficient synthesis of the intermediate of abacavir and carbovir using a novel (+)-Î³-lactamase as a catalyst. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3878-3881.	2.2	26
4	Hydrogen deuterium exchange defines catalytically linked regions of protein flexibility in the catechol O -methyltransferase reaction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10797-10805.	7.1	19
5	Identification and characterization of a novel (+)-Î³-lactamase from Microbacterium hydrocarbonoxydans. Applied Microbiology and Biotechnology, 2016, 100, 9543-9553.	3.6	18
6	Hydrogenâ€“Deuterium Exchange within Adenosine Deaminase, a TIM Barrel Hydrolase, Identifies Networks for Thermal Activation of Catalysis. Journal of the American Chemical Society, 2020, 142, 19936-19949.	13.7	18
7	Engineering the Enantioselectivity and Thermostability of a (+)-Î³-Lactamase from Microbacterium hydrocarbonoxydans for Kinetic Resolution of Vince Lactam (2-Azabicyclo[2.2.1]hept-5-en-3-one). Applied and Environmental Microbiology, 2018, 84, .	3.1	17
8	Structural Insights into Catalytic Versatility of the Flavin-dependent Hydroxylase (HpaB) from Escherichia coli. Scientific Reports, 2019, 9, 7087.	3.3	17
9	Discovery and characterization of a second extremely thermostable (+)-Î³-lactamase from Sulfolobus solfataricus P2. Journal of Bioscience and Bioengineering, 2016, 121, 484-490.	2.2	12
10	Structural insights into the Î³-lactamase activity and substrate enantioselectivity of an isochorismatase-like hydrolase from Microbacterium hydrocarbonoxydans. Scientific Reports, 2017, 7, 44542.	3.3	9
11	Enantioselective resolution of Î³-lactam utilizing a novel (+)-Î³-lactamase from Bacillus thuringiensis. Process Biochemistry, 2018, 72, 96-104.	3.7	5
12	Preparation of the enantiomerically enriched precursor of lamivudine (3TCâ„¢) via asymmetric catalysis mediated by Klebsiella oxytoca. Process Biochemistry, 2019, 81, 77-84.	3.7	5
13	Genome mining integrating semi-rational protein engineering and nanoreactor design: roadmap for a robust biocatalyst for industrial resolution of Vince lactam. Applied Microbiology and Biotechnology, 2020, 104, 1109-1123.	3.6	4
14	Enhancement in the catalytic activity of Sulfolobus solfataricus P2 (+)-Î³-lactamase by semi-rational design with the aid of a newly established high-throughput screening method. Applied Microbiology and Biotechnology, 2019, 103, 251-263.	3.6	3
15	Enantioselective synthesis of a chiral intermediate of himbacine analogs by Burkholderia cepacia lipase A. Biotechnology Letters, 2020, 42, 2643-2651.	2.2	0