

Sam Mathew

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	One-Pot Chemoenzymatic Conversion of Alkynes to Chiral Amines. <i>ACS Catalysis</i> , 2021, 11, 12565-12569.	11.2	26
2	Understanding High-Salt and Cold Adaptation of a Polyextremophilic Enzyme. <i>Microorganisms</i> , 2020, 8, 1594.	3.6	30
3	Enantio- and regioselective <i>ene</i> -reductions using F ₄₂₀ H ₂ -dependent enzymes. <i>Chemical Communications</i> , 2018, 54, 11208-11211.	4.1	29
4	Biotransformation of α -keto nitriles to chiral (S)- α -amino acids using nitrilase and α -transaminase. <i>Biotechnology Letters</i> , 2017, 39, 535-543.	2.2	24
5	Biochemical characterization of thermostable α -transaminase from <i>Sphaerobacter thermophilus</i> and its application for producing aromatic α - and β -amino acids. <i>Enzyme and Microbial Technology</i> , 2016, 87-88, 52-60.	3.2	64
6	Asymmetric synthesis of aromatic α -amino acids using α -transaminase: Optimizing the lipase concentration to obtain thermodynamically unstable α -keto acids. <i>Biotechnology Journal</i> , 2016, 11, 185-190.	3.5	32
7	Identification of novel thermostable α -transaminase and its application for enzymatic synthesis of chiral amines at high temperature. <i>RSC Advances</i> , 2016, 6, 69257-69260.	3.6	33
8	Production of chiral α -amino acids using α -transaminase from <i>Burkholderia graminis</i> . <i>Journal of Biotechnology</i> , 2015, 196-197, 1-8.	3.8	33
9	Engineering Transaminase for Stability Enhancement and Site-Specific Immobilization through Multiple Noncanonical Amino Acids Incorporation. <i>ChemCatChem</i> , 2015, 7, 417-421.	3.7	40
10	Kinetic resolution of amines by (R)-selective omega-transaminase from <i>Mycobacterium vanbaalenii</i> . <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 128-133.	5.8	14
11	Enhancing Thermostability and Organic Solvent Tolerance of α -Transaminase through Global Incorporation of Fluorotyrosine. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 993-998.	4.3	40
12	Enzymatic synthesis of chiral β -amino acids using α -transaminase. <i>Chemical Communications</i> , 2014, 50, 12680-12683.	4.1	24
13	High throughput screening methods for α -transaminases. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 1-7.	2.6	22
14	One-pot one-step deracemization of amines using α -transaminases. <i>Chemical Communications</i> , 2013, 49, 8629.	4.1	52
15	An in silico approach to evaluate the polyspecificity of methionyl-tRNA synthetases. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 39, 79-86.	2.4	6
16	Deracemization of unnatural amino acid: homoalanine using d-amino acid oxidase and α -transaminase. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2482.	2.8	43
17	α -Transaminases for the Production of Optically Pure Amines and Unnatural Amino Acids. <i>ACS Catalysis</i> , 2012, 2, 993-1001.	11.2	264