

Syed T Ahmed

List of Publications by Year in descending order

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19
papers

741
citations

567281

15
h-index

794594

19
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19
all docs

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docs citations

19
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic and Therapeutic Applications of Ammonia-lyases and Aminomutases. <i>Chemical Reviews</i> , 2018, 118, 73-118.	47.7	134
2	Synthesis of <i>D</i> - and <i>L</i> -Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4608-4611.	13.8	100
3	Chemoenzymatic Synthesis of Optically Pure- and Diastereomeric Phenylalanines through Biocatalytic Asymmetric Amination and Palladium-Catalyzed Arylation. <i>ACS Catalysis</i> , 2015, 5, 5410-5413.	11.2	67
4	The Bacterial Ammonia Lyase EncP: A Tunable Biocatalyst for the Synthesis of Unnatural Amino Acids. <i>Journal of the American Chemical Society</i> , 2015, 137, 12977-12983.	13.7	63
5	Single-Pot Biocatalyst Synthesis of Enantiopure <i>D</i> -Phenylalanines Exploiting an Engineered <i>D</i> -Amino Acid Dehydrogenase. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3298-3306.	4.3	51
6	One-Pot Synthesis of Chiral <i>N</i> -Arylamines by Combining Biocatalytic Aminations with Buchwald-Hartwig <i>N</i> -Arylation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18156-18160.	13.8	51
7	Biocatalytic Routes to Lactone Monomers for Polymer Production. <i>Biochemistry</i> , 2018, 57, 1997-2008.	2.5	33
8	Engineered Ammonia Lyases for the Production of Challenging Electron-Rich <i>L</i> -Phenylalanines. <i>ACS Catalysis</i> , 2018, 8, 3129-3132.	11.2	32
9	Zymophore identification enables the discovery of novel phenylalanine ammonia lyase enzymes. <i>Scientific Reports</i> , 2017, 7, 13691.	3.3	30
10	Chemo-enzymatic routes towards the synthesis of bio-based monomers and polymers. <i>Molecular Catalysis</i> , 2019, 467, 95-110.	2.0	30
11	Exploring novel bacterial terpene synthases. <i>PLoS ONE</i> , 2020, 15, e0232220.	2.5	30
12	Intensified biocatalytic production of enantiomerically pure halophenylalanines from acrylic acids using ammonium carbamate as the ammonia source. <i>Catalysis Science and Technology</i> , 2016, 6, 4086-4089.	4.1	27
13	Synthesis of <i>D</i> - and <i>L</i> -Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. <i>Angewandte Chemie</i> , 2015, 127, 4691-4694.	2.0	23
14	Synthesis of Enantiomerically Pure Ring-Substituted <i>L</i> -Pyridylalanines by Biocatalytic Hydroamination. <i>Organic Letters</i> , 2016, 18, 5468-5471.	4.6	18
15	Telescopic one-pot condensation-hydroamination strategy for the synthesis of optically pure <i>L</i> -phenylalanines from benzaldehydes. <i>Tetrahedron</i> , 2016, 72, 7256-7262.	1.9	18
16	Kinetic Resolution of Aromatic β -Amino Acids Using a Combination of Phenylalanine Ammonia Lyase and Aminomutase Biocatalysts. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1570-1576.	4.3	15
17	Discovery and Investigation of Mutase-like Activity in a Phenylalanine Ammonia Lyase from <i>Anabaena variabilis</i> . <i>Topics in Catalysis</i> , 2018, 61, 288-295.	2.8	9
18	One-Pot Synthesis of Chiral <i>N</i> -Arylamines by Combining Biocatalytic Aminations with Buchwald-Hartwig <i>N</i> -Arylation. <i>Angewandte Chemie</i> , 2020, 132, 18313-18317.	2.0	6

#	ARTICLE	IF	CITATIONS
19	Biocatalytic Conversion of Cinnamic Acids to α -Arylethylamines. ChemCatChem, 2020, 12, 995-998.	3.7	4