

Nicholas J Weise

List of Publications by Year in descending order

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papers

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21
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832
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#	ARTICLE	IF	CITATIONS
1	Biocatalytic Conversion of Cinnamic Acids to α -Arylethylamines. <i>ChemCatChem</i> , 2020, 12, 995-998.	3.7	4
2	Engineered Ammonia Lyases for the Production of Challenging Electron-Rich α -Phenylalanines. <i>ACS Catalysis</i> , 2018, 8, 3129-3132.	11.2	32
3	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
4	Bio-derived production of cinnamyl alcohol <i>via</i> a three step biocatalytic cascade and metabolic engineering. <i>Green Chemistry</i> , 2018, 20, 658-663.	9.0	33
5	Synthetic and Therapeutic Applications of Ammonia-lyases and Aminomutases. <i>Chemical Reviews</i> , 2018, 118, 73-118.	47.7	134
6	Identification of Novel Bacterial Members of the Imine Reductase Enzyme Family that Perform Reductive Amination. <i>ChemCatChem</i> , 2018, 10, 510-514.	3.7	86
7	Kinetic Resolution of Aromatic α -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
8	Zymophore identification enables the discovery of novel phenylalanine ammonia lyase enzymes. <i>Scientific Reports</i> , 2017, 7, 13691.	3.3	30
9	Adenylation Activity of Carboxylic Acid Reductases Enables the Synthesis of Amides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14498-14501.	13.8	74
10	Adenylation Activity of Carboxylic Acid Reductases Enables the Synthesis of Amides. <i>Angewandte Chemie</i> , 2017, 129, 14690-14693.	2.0	25
11	Biocatalytic transamination with near-stoichiometric inexpensive amine donors mediated by bifunctional mono- and di-amine transaminases. <i>Green Chemistry</i> , 2017, 19, 361-366.	9.0	69
12	Putrescine Transaminases for the Synthesis of Saturated Nitrogen Heterocycles from Polyamines. <i>ChemCatChem</i> , 2016, 8, 1038-1042.	3.7	35
13	Single-Biocatalyst Synthesis of Enantiopure α -Arylalanines Exploiting an Engineered α -Amino Acid Dehydrogenase. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3298-3306.	4.3	51
14	Synthesis of Enantiomerically Pure Ring-Substituted α -Pyridylalanines by Biocatalytic Hydroamination. <i>Organic Letters</i> , 2016, 18, 5468-5471.	4.6	18
15	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
16	Telescopic one-pot condensation-hydroamination strategy for the synthesis of optically pure L-phenylalanines from benzaldehydes. <i>Tetrahedron</i> , 2016, 72, 7256-7262.	1.9	18
17	Synthesis of α - and β -Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4608-4611.	13.8	100
18	Synthesis of α - and β -Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. <i>Angewandte Chemie</i> , 2015, 127, 4691-4694.	2.0	23

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19	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
20	Chemoenzymatic Synthesis of Optically Pure- and -Biarylalanines through Biocatalytic Asymmetric Amination and Palladium-Catalyzed Arylation. <i>ACS Catalysis</i> , 2015, 5, 5410-5413.	11.2	67