Nicholas J Weise

List of Publications by Year
in descending order

20	913	471509 17	752698 20
papers	citations	h-index	g-index

21	21	21	832
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthetic and Therapeutic Applications of Ammonia-lyases and Aminomutases. Chemical Reviews, 2018, 118, 73-118.	47.7	134
2	Synthesis of <scp>D</scp>â€•and <scp>L</scp>â€Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. Angewandte Chemie - International Edition, 2015, 54, 4608-4611.	13.8	100
3	Identification of Novel Bacterial Members of the Imine Reductase Enzyme Family that Perform Reductive Amination. ChemCatChem, 2018, 10, 510-514.	3.7	86
4	Adenylation Activity of Carboxylic Acid Reductases Enables the Synthesis of Amides. Angewandte Chemie - International Edition, 2017, 56, 14498-14501.	13.8	74
5	Biocatalytic transamination with near-stoichiometric inexpensive amine donors mediated by bifunctional mono- and di-amine transaminases. Green Chemistry, 2017, 19, 361-366.	9.0	69
6	Chemoenzymatic Synthesis of Optically Purel- andd-Biarylalanines through Biocatalytic Asymmetric Amination and Palladium-Catalyzed Arylation. ACS Catalysis, 2015, 5, 5410-5413.	11.2	67
7	The Bacterial Ammonia Lyase EncP: A Tunable Biocatalyst for the Synthesis of Unnatural Amino Acids. Journal of the American Chemical Society, 2015, 137, 12977-12983.	13.7	63
8	Singleâ€Biocatalyst Synthesis of Enantiopure <scp>d</scp>â€Arylalanines Exploiting an Engineered <scp>d</scp>â€Amino Acid Dehydrogenase. Advanced Synthesis and Catalysis, 2016, 358, 3298-3306.	4.3	51
9	Putrescine Transaminases for the Synthesis of Saturated Nitrogen Heterocycles from Polyamines. ChemCatChem, 2016, 8, 1038-1042.	3.7	35
10	Bio-derived production of cinnamyl alcohol via a three step biocatalytic cascade and metabolic engineering. Green Chemistry, 2018, 20, 658-663.	9.0	33
11	Engineered Ammonia Lyases for the Production of Challenging Electron-Rich <scp>l</scp>-Phenylalanines. ACS Catalysis, 2018, 8, 3129-3132.	11.2	32
12	Zymophore identification enables the discovery of novel phenylalanine ammonia lyase enzymes. Scientific Reports, 2017, 7, 13691.	3.3	30
13	Intensified biocatalytic production of enantiomerically pure halophenylalanines from acrylic acids using ammonium carbamate as the ammonia source. Catalysis Science and Technology, 2016, 6, 4086-4089.	4.1	27
14	Adenylation Activity of Carboxylic Acid Reductases Enables the Synthesis of Amides. Angewandte Chemie, 2017, 129, 14690-14693.	2.0	25
15	Synthesis of <scp>D</scp>â€•and <scp>L</scp>â€Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. Angewandte Chemie, 2015, 127, 4691-4694.	2.0	23
16	Synthesis of Enantiomerically Pure Ring-Substituted <scp>l</scp>-Pyridylalanines by Biocatalytic Hydroamination. Organic Letters, 2016, 18, 5468-5471.	4.6	18
17	Telescopic one-pot condensation-hydroamination strategy for the synthesis of optically pure L-phenylalanines from benzaldehydes. Tetrahedron, 2016, 72, 7256-7262.	1.9	18
18	Kinetic Resolution of Aromatic Î²â€Amino Acids Using a Combination of Phenylalanine Ammonia Lyase and Aminomutase Biocatalysts. Advanced Synthesis and Catalysis, 2017, 359, 1570-1576.	4.3	15

#	Article	IF	Citations
19	Discovery and Investigation of Mutase-like Activity in a Phenylalanine Ammonia Lyase from Anabaena variabilis. Topics in Catalysis, 2018, 61, 288-295.	2.8	9
20	Biâ€enzymatic Conversion of Cinnamic Acids to 2â€Arylethylamines. ChemCatChem, 2020, 12, 995-998.	3.7	4