

William Finnigan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

728
citations

759055

12
h-index

996849

15
g-index

19
all docs

19
docs citations

19
times ranked

711
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocatalysis. Nature Reviews Methods Primers, 2021, 1, .	11.8	255
2	RetroBioCat as a computer-aided synthesis planning tool for biocatalytic reactions and cascades. Nature Catalysis, 2021, 4, 98-104.	16.1	131
3	Characterization of Carboxylic Acid Reductases as Enzymes in the Toolbox for Synthetic Chemistry. ChemCatChem, 2017, 9, 1005-1017.	1.8	106
4	Engineering a Seven Enzyme Biotransformation using Mathematical Modelling and Characterized Enzyme Parts. ChemCatChem, 2019, 11, 3474-3489.	1.8	39
5	Highly thermostable carboxylic acid reductases generated by ancestral sequence reconstruction. Communications Biology, 2019, 2, 429.	2.0	34
6	Biocatalytic Monoacylation of Symmetrical Diamines and Its Application to the Synthesis of Pharmaceutically Relevant Amides. ACS Catalysis, 2020, 10, 10005-10009.	5.5	33
7	Non-covalent protein-based adhesives for transparent substrates—bovine serum albumin vs. recombinant spider silk. Materials Today Bio, 2020, 7, 100068.	2.6	24
8	The effect of terminal globular domains on the response of recombinant mini-spidroins to fiber spinning triggers. Scientific Reports, 2020, 10, 10671.	1.6	22
9	Synthetic biology for fibers, adhesives, and active camouflage materials in protection and aerospace. MRS Communications, 2019, 9, 486-504.	0.8	21
10	One-Step Biocatalytic Synthesis of Sustainable Surfactants by Selective Amide Bond Formation**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	18
11	Rapid Model-Based Optimization of a Two-Enzyme System for Continuous Reductive Amination in Flow. Organic Process Research and Development, 2020, 24, 1969-1977.	1.3	16
12	Enzyme immobilisation on wood-derived cellulose scaffolds via carbohydrate-binding module fusion constructs. Green Chemistry, 2021, 23, 4716-4732.	4.6	16
13	Structural and biochemical characterisation of Archaeoglobus fulgidus esterase reveals a bound CoA molecule in the vicinity of the active site. Scientific Reports, 2016, 6, 25542.	1.6	8
14	Enzyme Cascade Design: Retrosynthesis Approach. , 2021, , 7-30.		1
15	Direct enzymatic synthesis of fatty amines from renewable triglycerides and oils. ChemBioChem, 2021, , .	1.3	1
16	One-Step Biocatalytic Synthesis of Sustainable Surfactants by Selective Amide Bond Formation**. Angewandte Chemie, 2022, 134, .	1.6	1
17	Carboxylic acid reductases and their use as well defined enzyme building blocks for the construction of in vitro cascade reactions. New Biotechnology, 2016, 33, S15-S16.	2.4	0