William Finnigan

List of Publications by Year
in descending order

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	Oneâ€Step Biocatalytic Synthesis of Sustainable Surfactants by Selective Amide Bond Formation**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	18
2	Oneâ€Step Biocatalytic Synthesis of Sustainable Surfactants by Selective Amide Bond Formation**. Angewandte Chemie, 2022, 134, .	1.6	1
3	RetroBioCat as a computer-aided synthesis planning tool for biocatalytic reactions and cascades. Nature Catalysis, 2021, 4, 98-104.	16.1	131
4	Enzyme immobilisation on wood-derived cellulose scaffolds via carbohydrate-binding module fusion constructs. Green Chemistry, 2021, 23, 4716-4732.	4.6	16
5	Biocatalysis. Nature Reviews Methods Primers, 2021, 1, .	11.8	255
6	Enzyme Cascade Design: Retrosynthesis Approach. , 2021, , 7-30.		1
7	Direct enzymatic synthesis of fatty amines from renewable triglycerides and oils. ChemBioChem, 2021, , .	1.3	1
8	Non-covalent protein-based adhesives for transparent substratesâ€"bovine serum albumin vs. recombinant spider silk. Materials Today Bio, 2020, 7, 100068.	2.6	24
9	Biocatalytic Monoacylation of Symmetrical Diamines and Its Application to the Synthesis of Pharmaceutically Relevant Amides. ACS Catalysis, 2020, 10, 10005-10009.	5.5	33
10	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
11	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
12	Engineering a Seven Enzyme Biotransformation using Mathematical Modelling and Characterized Enzyme Parts. ChemCatChem, 2019, 11, 3474-3489.	1.8	39
13	Synthetic biology for fibers, adhesives, and active camouflage materials in protection and aerospace. MRS Communications, 2019, 9, 486-504.	0.8	21
14	Highly thermostable carboxylic acid reductases generated by ancestral sequence reconstruction. Communications Biology, 2019, 2, 429.	2.0	34
15	Characterization of Carboxylic Acid Reductases as Enzymes in the Toolbox for Synthetic Chemistry. ChemCatChem, 2017, 9, 1005-1017.	1.8	106
16	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
17	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