

# Simon B R Charnock

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

312  
citations

1163117

8  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Screening and characterization of a diverse panel of metagenomic imine reductases for biocatalytic reductive amination. <i>Nature Chemistry</i> , 2021, 13, 140-148.	13.6	100
2	Photo-biocatalytic One-Pot Cascades for the Enantioselective Synthesis of 1,3-Mercaptoalkanol Volatile Sulfur Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5803-5807.	13.8	69
3	Asymmetric Synthesis of <i>N</i> -Substituted $\alpha$ -Amino Esters from $\alpha$ -Ketoesters via Imine Reductase-Catalyzed Reductive Amination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8717-8721.	13.8	40
4	Photo-biocatalytic One-Pot Cascades for the Enantioselective Synthesis of 1,3-Mercaptoalkanol Volatile Sulfur Compounds. <i>Angewandte Chemie</i> , 2018, 130, 5905-5909.	2.0	28
5	Synthesis of Pharmaceutically Relevant 2-Aminotetralin and 3-Aminochroman Derivatives via Enzymatic Reductive Amination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24456-24460.	13.8	18
6	2-Deoxyribose-5-phosphate aldolase from <i>Thermotoga maritima</i> in the synthesis of a statin side-chain precursor: characterization, modeling and optimization. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1832-1842.	3.2	11
7	A multi-enzyme strategy for the production of a highly valuable lactonized statin side-chain precursor. <i>Chemical Engineering Research and Design</i> , 2020, 164, 35-45.	5.6	11
8	Asymmetric Synthesis of <i>N</i> -Substituted $\alpha$ -Amino Esters from $\alpha$ -Ketoesters via Imine Reductase-Catalyzed Reductive Amination. <i>Angewandte Chemie</i> , 2021, 133, 8799-8803.	2.0	10
9	Enantioselective Synthesis of $\alpha$ -Thiocarboxylic Acids by Nitrilase Biocatalysed Dynamic Kinetic Resolution of $\alpha$ -Thionitriles. <i>Chemistry - A European Journal</i> , 2020, 26, 10422-10426.	3.3	7
10	An innovative route for the production of atorvastatin side-chain precursor by DERA-catalysed double aldol addition. <i>Chemical Engineering Science</i> , 2021, 231, 116312.	3.8	7
11	Chemoenzymatic Cascades for the Enantioselective Synthesis of $\beta$ -Hydroxysulfides Bearing a Stereocentre at the C <sup>o</sup> or C <sup>s</sup> Bond by Ketoreductases. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
12	A Coupled Ketoreductase-Diaphorase Assay for the Detection of Polyethylene Terephthalate-Hydrolyzing Activity. <i>ChemSusChem</i> , 2022, 15, .	6.8	3
13	Synthesis of pharmaceutically relevant 2-Aminotetralin and 3-Aminochroman derivatives via enzymatic reductive amination. <i>Angewandte Chemie</i> , 2021, 133, 24661.	2.0	1
14	Chemoenzymatic Cascades for the Enantioselective Synthesis of $\beta$ -Hydroxysulfides Bearing a Stereocentre at C <sup>o</sup> or C <sup>s</sup> Bonds by Ketoreductases (KREDs). <i>Angewandte Chemie</i> , 0, .	2.0	0