

# Simon B R Charnock

## List of Publications by Year in descending order

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14  
papers

312  
citations

1163117

8  
h-index

1125743

13  
g-index

14  
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docs citations

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times ranked

248  
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#	ARTICLE	IF	CITATIONS
1	A Coupled Ketoreductaseâ€”Diaphorase Assay for the Detection of Polyethylene Terephthalateâ€™Hydrolyzing Activity. <i>ChemSusChem</i> , 2022, 15, .	6.8	3
2	Chemoenzymatic Cascades for the Enantioselective Synthesis of Î²â€”Hydroxysulfides Bearing a Stereocentre at the Câ”O or Câ”S Bond by Ketoreductases. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7
3	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
4	Asymmetric Synthesis of <i>N</i> -Substituted Î±-Amino Esters from Î±-Ketoesters via Imine Reductaseâ€”Catalyzed Reductive Amination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8717-8721.	13.8	40
5	Asymmetric Synthesis of <i>N</i> -Substituted Î±-Amino Esters from Î±-Ketoesters via Imine Reductaseâ€”Catalyzed Reductive Amination. <i>Angewandte Chemie</i> , 2021, 133, 8799-8803.	2.0	10
6	Synthesis of pharmaceutically relevant 2â€”aminotetralin and 3â€”aminochroman derivatives via enzymatic reductive amination. <i>Angewandte Chemie</i> , 2021, 133, 24661.	2.0	1
7	Synthesis of Pharmaceutically Relevant 2â€”Aminotetralin and 3â€”Aminochroman Derivatives via Enzymatic Reductive Amination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24456-24460.	13.8	18
8	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
9	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
10	Enantioselective Synthesis of Î±-Thiocarboxylic Acids by Nitrilase Biocatalysed Dynamic Kinetic Resolution of Î±-Thionitriles. <i>Chemistry - A European Journal</i> , 2020, 26, 10422-10426.	3.3	7
11	2â€”Deoxyriboseâ€”5â€”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
12	Photoâ€”biocatalytic Oneâ€”Pot Cascades for the Enantioselective Synthesis of 1,3â€”Mercaptoalkanol Volatile Sulfur Compounds. <i>Angewandte Chemie</i> , 2018, 130, 5905-5909.	2.0	28
13	Photoâ€”biocatalytic Oneâ€”Pot Cascades for the Enantioselective Synthesis of 1,3â€”Mercaptoalkanol Volatile Sulfur Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5803-5807.	13.8	69
14	Chemoenzymatic Cascades for the Enantioselective Synthesis of Î²â€”Hydroxysulfides Bearing a Stereocentre at Câ”O or Câ”S Bonds by Ketoreductases (KREDs). <i>Angewandte Chemie</i> , 0, .	2.0	0