

Sarah L Lovelock

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

977
citations

516561

16
h-index

839398

18
g-index

18
all docs

18
docs citations

18
times ranked

751
citing authors

#	ARTICLE	IF	CITATIONS
1	An Engineered Cytidine Deaminase for Biocatalytic Production of a Key Intermediate of the Covid-19 Antiviral Molnupiravir. <i>Journal of the American Chemical Society</i> , 2022, 144, 3761-3765.	6.6	24
2	Engineering an efficient and enantioselective enzyme for the Morita-Baylis-Hillman reaction. <i>Nature Chemistry</i> , 2022, 14, 313-320.	6.6	34
3	The road to fully programmable protein catalysis. <i>Nature</i> , 2022, 606, 49-58.	13.7	126
4	Biocatalysis. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	255
5	Rewiring the "Push-Pull" Catalytic Machinery of a Heme Enzyme Using an Expanded Genetic Code. <i>ACS Catalysis</i> , 2020, 10, 2735-2746.	5.5	25
6	N-Alkyl- β -amino acids in Nature and their biocatalytic preparation. <i>Journal of Biotechnology</i> , 2019, 293, 56-65.	1.9	28
7	Design and evolution of an enzyme with a non-canonical organocatalytic mechanism. <i>Nature</i> , 2019, 570, 219-223.	13.7	86
8	A versatile biosynthetic approach to amide bond formation. <i>Green Chemistry</i> , 2018, 20, 3426-3431.	4.6	52
9	The Broad Aryl Acid Specificity of the Amide Bond Synthetase McbA Suggests Potential for the Biocatalytic Synthesis of Amides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11584-11588.	7.2	47
10	Biocatalytic Synthesis of Chiral N-Functionalized Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13821-13824.	7.2	34
11	Biocatalytic Synthesis of Chiral N-Functionalized Amino Acids. <i>Angewandte Chemie</i> , 2018, 130, 14017-14020.	1.6	14
12	The Broad Aryl Acid Specificity of the Amide Bond Synthetase McbA Suggests Potential for the Biocatalytic Synthesis of Amides. <i>Angewandte Chemie</i> , 2018, 130, 11758-11762.	1.6	16
13	Synthesis of D- and L-Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4608-4611.	7.2	100
14	Synthesis of D- and L-Phenylalanine Derivatives by Phenylalanine Ammonia Lyases: A Multienzymatic Cascade Process. <i>Angewandte Chemie</i> , 2015, 127, 4691-4694.	1.6	23
15	Threonine 57 is required for the post-translational activation of <i>Escherichia coli</i> aspartate β -decarboxylase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1166-1172.	2.5	5
16	Phenylalanine Ammonia Lyase Catalyzed Synthesis of Amino Acids by an MIO-Cofactor Independent Pathway. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4652-4656.	7.2	49
17	Bacterial <i>Anabaena variabilis</i> phenylalanine ammonia lyase: A biocatalyst with broad substrate specificity. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5555-5557.	1.4	40