

James R Marshall

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

520
citations

840776

11
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

326
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	Asymmetric synthesis of primary amines catalyzed by thermotolerant fungal reductive aminases. <i>Chemical Science</i> , 2020, 11, 5052-5057.	7.4	49
3	Chemoenzymatic Synthesis of Substituted Azepanes by Sequential Biocatalytic Reduction and Organolithium-Mediated Rearrangement. <i>Journal of the American Chemical Society</i> , 2018, 140, 17872-17877.	13.7	48
4	Characterization of imine reductases in reductive amination for the exploration of structure-activity relationships. <i>Science Advances</i> , 2020, 6, eaay9320.	10.3	48
5	Multifunctional biocatalyst for conjugate reduction and reductive amination. <i>Nature</i> , 2022, 604, 86-91.	27.8	48
6	Development of Continuous Flow Systems to Access Secondary Amines Through Previously Incompatible Biocatalytic Cascades**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18660-18665.	13.8	44
7	One-Pot Biocatalytic Cascade Reduction of Cyclic Enamines for the Preparation of Diastereomerically Enriched <i>N</i> -Heterocycles. <i>Journal of the American Chemical Society</i> , 2019, 141, 19208-19213.	13.7	43
8	Asymmetric Synthesis of <i>N</i> -Substituted α -Amino Esters from α -Ketoesters via Imine Reductase-Catalyzed Reductive Amination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8717-8721.	13.8	40
9	Expanding the synthetic scope of biocatalysis by enzyme discovery and protein engineering. <i>Tetrahedron</i> , 2021, 82, 131926.	1.9	29
10	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
11	New Trends and Future Opportunities in the Enzymatic Formation of C ^α -C, C ^α -N, and C ^α -O bonds. <i>ChemBioChem</i> , 2022, 23, .	2.6	17
12	Rapid Screening of Diverse Biotransformations for Enzyme Evolution. <i>Jacs Au</i> , 2021, 1, 508-516.	7.9	13
13	Asymmetric Synthesis of <i>N</i> -Substituted α -Amino Esters from α -Ketoesters via Imine Reductase-Catalyzed Reductive Amination. <i>Angewandte Chemie</i> , 2021, 133, 8799-8803.	2.0	10
14	Enzymatic <i>N</i> -Allylation of Primary and Secondary Amines Using Renewable Cinnamic Acids Enabled by Bacterial Reductive Aminases. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6794-6806.	6.7	9
15	Development of Continuous Flow Systems to Access Secondary Amines Through Previously Incompatible Biocatalytic Cascades**. <i>Angewandte Chemie</i> , 2021, 133, 18808-18813.	2.0	3
16	Synthesis of pharmaceutically relevant 2-Aminotetralin and 3-Aminochroman derivatives via enzymatic reductive amination. <i>Angewandte Chemie</i> , 2021, 133, 24661.	2.0	1
17	Rücktitelbild: Development of Continuous Flow Systems to Access Secondary Amines Through Previously Incompatible Biocatalytic Cascades (Angew. Chem. 34/2021). <i>Angewandte Chemie</i> , 2021, 133, 19040-19040.	2.0	0