

Mâ€Sc Luca Schmermund

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

629
citations

840776

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h-index

1125743

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g-index

18
all docs

18
docs citations

18
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	Photo-Biocatalysis: Biotransformations in the Presence of Light. ACS Catalysis, 2019, 9, 4115-4144.	11.2	219
2	Shortening Synthetic Routes to Small Molecule Active Pharmaceutical Ingredients Employing Biocatalytic Methods. Chemical Reviews, 2022, 122, 1052-1126.	47.7	105
3	Chemoenzymatic Total Synthesis of Deoxyepi- and Podophyllotoxin and a Biocatalytic Kinetic Resolution of Dibenzylbutyrolactones. Angewandte Chemie - International Edition, 2019, 58, 8226-8230.	13.8	56
4	The Right Light: De Novo Design of a Robust Modular Photochemical Reactor for Optimum Batch and Flow Chemistry. ChemPhotoChem, 2020, 4, 45-51.	3.0	56
5	Chromoselective Photocatalysis Enables Stereocomplementary Biocatalytic Pathways**. Angewandte Chemie - International Edition, 2021, 60, 6965-6969.	13.8	52
6	Directed Evolution of an Fe ^{II} -Dependent Halogenase for Asymmetric C(sp ³)-H Chlorination. ACS Catalysis, 2020, 10, 1272-1277.	11.2	38
7	Synthesis of Enantiopure Sulfoxides by Concurrent Photocatalytic Oxidation and Biocatalytic Reduction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	31
8	Chemoenzymatische Totalsynthese von Deoxyepi- und Podophyllotoxin sowie biokatalytische kinetische Racematspaltung von Dibenzylbutyrolactonen. Angewandte Chemie, 2019, 131, 8310-8315.	2.0	14
9	A robust and stereocomplementary panel of ene-reductase variants for gram-scale asymmetric hydrogenation. Molecular Catalysis, 2021, 502, 111404.	2.0	14
10	Accelerated Reaction Engineering of Photo(bio)catalytic Reactions through Parallelization with an Open-Source Photoreactor. ChemPhotoChem, 2021, 5, 957-965.	3.0	14
11	Extending the Library of Light-Dependent Protochlorophyllide Oxidoreductases and their Solvent Tolerance, Stability in Light and Cofactor Flexibility. ChemCatChem, 2020, 12, 4044-4051.	3.7	13
12	Chromoselective Photocatalysis Enables Stereocomplementary Biocatalytic Pathways**. Angewandte Chemie, 2021, 133, 7041-7045.	2.0	12
13	Synthesis of Enantiopure Sulfoxides by Concurrent Photocatalytic Oxidation and Biocatalytic Reduction. Angewandte Chemie, 2022, 134, .	2.0	5