

Marion B Ansorge-Schumacher

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

869
citations

623734

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552781

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all docs

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docs citations

26
times ranked

1160
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Insights into Catalytic and Structural Features of the Zinc-Dependent Alcohol Dehydrogenase from <i>Thauera aromatica</i> . <i>ChemBioChem</i> , 2022, 23, .	2.6	2
2	Living whole-cell catalysis in compartmentalized emulsion. <i>Bioresource Technology</i> , 2020, 295, 122221.	9.6	19
3	Tailoring Particle-Enzyme Nanoconjugates for Biocatalysis at the Organic-Organic Interface. <i>ChemSusChem</i> , 2020, 13, 6523-6527.	6.8	9
4	Formate Dehydrogenase from <i>Rhodococcus jostii</i> (RjFDH) – A High-Performance Tool for NADH Regeneration. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4109-4118.	4.3	17
5	Biodegradation of Ephedrine Isomers by <i>Arthrobacter</i> sp. Strain TS-15: Discovery of Novel Ephedrine and Pseudoephedrine Dehydrogenases. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	7
6	Efficient and Selective Carbonylation with Whole-Cell Biocatalysts in Pickering Emulsion. <i>Angewandte Chemie</i> , 2019, 131, 13094-13097.	2.0	11
7	Efficient and Selective Carbonylation with Whole-Cell Biocatalysts in Pickering Emulsion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12960-12963.	13.8	25
8	Two Enantiocomplementary Ephedrine Dehydrogenases from <i>Arthrobacter</i> sp. TS-15 with Broad Substrate Specificity. <i>ACS Catalysis</i> , 2019, 9, 6202-6211.	11.2	21
9	Chemo-Enzymatic Dynamic Kinetic Resolution of Symmetric and Non-Symmetric α -Hydroxy Ketones for Industrial Application. <i>ChemistrySelect</i> , 2019, 4, 6469-6472.	1.5	2
10	Heterogeneous Metal-Organic-Framework-Based Biohybrid Catalysts for Cascade Reactions in Organic Solvent. <i>Chemistry - A European Journal</i> , 2019, 25, 1716-1721.	3.3	70
11	Biobatteries: Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes (Small 13/2018). <i>Small</i> , 2018, 14, 1870058.	10.0	2
12	Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes. <i>Small</i> , 2018, 14, e1704221.	10.0	11
13	Compartmentalized Aqueous-Organic Emulsion for Efficient Biocatalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 10966-10970.	3.3	23
14	Progress in biocatalysis with immobilized viable whole cells: systems development, reaction engineering and applications. <i>Biotechnology Letters</i> , 2017, 39, 667-683.	2.2	60
15	A continuous single organic phase process for the lipase catalyzed synthesis of peroxy acids increases productivity. <i>Engineering in Life Sciences</i> , 2017, 17, 759-767.	3.6	13
16	Progress in emerging techniques for characterization of immobilized viable whole-cell biocatalysts. <i>Chemical Papers</i> , 2017, 71, 2309-2324.	2.2	2
17	A Zinc-Dependent Alcohol Dehydrogenase (ADH) from <i>Thauera aromatica</i> , Reducing Cyclic α - and β -Diketones. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1872-1880.	4.3	4
18	Investigation of Structural Determinants for the Substrate Specificity in the Zinc-Dependent Alcohol Dehydrogenase CPCR2 from <i>Candida parapsilosis</i> . <i>ChemBioChem</i> , 2015, 16, 1512-1519.	2.6	13

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19	Carbonyl reductase of <i>Candida parapsilosis</i> – Stability analysis and stabilization strategy. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 112, 45-53.	1.8	11
20	Activity prediction of substrates in NADH-dependent carbonyl reductase by docking requires catalytic constraints and charge parameterization of catalytic zinc environment. <i>Journal of Computer-Aided Molecular Design</i> , 2015, 29, 1057-1069.	2.9	17
21	Medium and reaction engineering for the establishment of a chemo-enzymatic dynamic kinetic resolution of rac-benzoin in batch and continuous mode. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 114, 42-49.	1.8	43
22	Structure of NADH-Dependent Carbonyl Reductase (CPCR2) from <i>Candida parapsilosis</i> Provides Insight into Mutations that Improve Catalytic Properties. <i>ChemCatChem</i> , 2014, 6, 1103-1111.	3.7	29
23	Immobilised lipases in the cosmetics industry. <i>Chemical Society Reviews</i> , 2013, 42, 6475.	38.1	211
24	Lipase from <i>Pseudomonas stutzeri</i> : Purification, homology modelling and rational explanation of the substrate binding mode. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 88-98.	1.8	30
25	Who's Who? Allocation of Carbonyl Reductase Isoenzymes from <i>Candida parapsilosis</i> by Combining Bio- and Computational Chemistry. <i>ChemBioChem</i> , 2012, 13, 803-809.	2.6	24
26	Nanoparticle Cages for Enzyme Catalysis in Organic Media. <i>Advanced Materials</i> , 2011, 23, 5694-5699.	21.0	193