

# Marion B Ansorge-Schumacher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3790224/publications.pdf>

Version: 2024-02-01

26  
papers

869  
citations

623734

14  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1160  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Immobilised lipases in the cosmetics industry. <i>Chemical Society Reviews</i> , 2013, 42, 6475.   | 38.1 | 211       |
| 2  | Nanoparticle Cages for Enzyme Catalysis in Organic Media. <i>Advanced Materials</i> , 2011, 23, 5694-5699.   | 21.0 | 193       |
| 3  | 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        |
| 4  | 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        |
| 5  | Medium and reaction engineering for the establishment of a chemo-enzymatic dynamic kinetic resolution of rac-benzoil in batch and continuous mode. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 114, 42-49.                            | 1.8  | 43        |
| 6  | 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        |
| 7  | 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        |
| 8  | Efficient and Selective Carbonylation with Whole-Cell Biocatalysts in Pickering Emulsion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12960-12963.  | 13.8 | 25        |
| 9  | 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        |
| 10 | Compartmentalized Aqueous-Organic Emulsion for Efficient Biocatalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 10966-10970.  | 3.3  | 23        |
| 11 | 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        |
| 12 | Living whole-cell catalysis in compartmentalized emulsion. <i>Bioresource Technology</i> , 2020, 295, 122221.  | 9.6  | 19        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes. <i>Small</i> , 2018, 14, e1704221.  | 10.0 | 11        |

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|----|---|------|-----------|
| 19 | Efficient and Selective Carbonylation with Whole-Cell Biocatalysts in Pickering Emulsion. <i>Angewandte Chemie</i> , 2019, 131, 13094-13097.  | 2.0  | 11        |
| 20 | Tailoring Particle-Enzyme Nanoconjugates for Biocatalysis at the Organic-Organic Interface. <i>ChemSusChem</i> , 2020, 13, 6523-6527.   | 6.8  | 9         |
| 21 | 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         |
| 22 | A Zinc-Dependent Alcohol Dehydrogenase (ADH) from <i>Thauera aromatica</i> , Reducing Cyclic $\beta$ - and $\gamma$ -Diketones. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1872-1880.           | 4.3  | 4         |
| 23 | Progress in emerging techniques for characterization of immobilized viable whole-cell biocatalysts. <i>Chemical Papers</i> , 2017, 71, 2309-2324.   | 2.2  | 2         |
| 24 | Biobatteries: Ultralong-Discharge-Time Biobattery Based on Immobilized Enzymes in Bilayer Rolled-Up Enzymatic Nanomembranes ( <i>Small</i> 13/2018). <i>Small</i> , 2018, 14, 1870058.                    | 10.0 | 2         |
| 25 | Chemo-Enzymatic Dynamic Kinetic Resolution of Symmetric and Non-Symmetric $\beta$ -Hydroxy Ketones for Industrial Application. <i>ChemistrySelect</i> , 2019, 4, 6469-6472.                               | 1.5  | 2         |
| 26 | 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         |