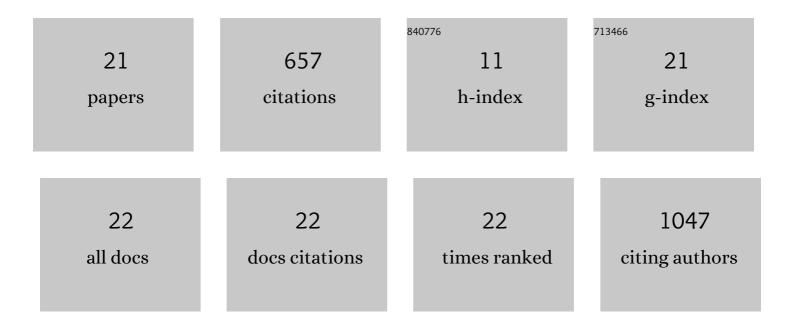
Astrid Wirtz

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Genome Sequence of the Bacteriophage CL31 and Interaction with the Host Strain Corynebacterium glutamicum ATCC 13032. Viruses, 2021, 13, 495. | 3.3 | 3 |
| 2 | Metabolic engineering of Pseudomonas putida for production of the natural sweetener 5â€ketofructose from fructose or sucrose by periplasmic oxidation with a heterologous fructose dehydrogenase. Microbial Biotechnology, 2021, 14, 2592-2604. | 4.2 | 4 |
| 3 | Metabolic engineering of Corynebacterium glutamicum for production of scyllo-inositol, a drug candidate against Alzheimer's disease. Metabolic Engineering, 2021, 67, 173-185. | 7.0 | 10 |
| 4 | Production of C20, C30 and C40 terpenes in the engineered phototrophic bacterium Rhodobacter capsulatus. Journal of Biotechnology, 2021, 338, 20-30. | 3.8 | 9 |
| 5 | Biosensor-based isolation of amino acid-producing Vibrio natriegens strains. Metabolic Engineering Communications, 2021, 13, e00187. | 3.6 | 5 |
| 6 | Regulation of Î ³ -Aminobutyrate (GABA) Utilization in Corynebacterium glutamicum by the PucR-Type Transcriptional Regulator GabR and by Alternative Nitrogen and Carbon Sources. Frontiers in Microbiology, 2020, 11, 544045. | 3.5 | 10 |
| 7 | Novel plasmid-free Gluconobacter oxydans strains for production of the natural sweetener 5-ketofructose. Microbial Cell Factories, 2020, 19, 54. | 4.0 | 12 |
| 8 | Functional expression, purification, and biochemical properties of subtilase SprP from Pseudomonas aeruginosa. MicrobiologyOpen, 2015, 4, 743-752. | 3.0 | 11 |
| 9 | Purification and simultaneous immobilization of <i>Arabidopsis thaliana</i> hydroxynitrile lyase using a family 2 carbohydrateâ€binding module. Biotechnology Journal, 2015, 10, 811-819. | 3.5 | 13 |
| 10 | Structure and function of a short LOV protein from the marine phototrophic bacterium Dinoroseobacter shibae. BMC Microbiology, 2015, 15, 30. | 3.3 | 36 |
| 11 | Discovery of the first lightâ€dependent protochlorophyllide oxidoreductase in anoxygenic phototrophic bacteria. Molecular Microbiology, 2014, 93, 1066-1078. | 2.5 | 44 |
| 12 | TREX: A Universal Tool for the Transfer and Expression of Biosynthetic Pathways in Bacteria. ACS Synthetic Biology, 2013, 2, 22-33. | 3.8 | 76 |
| 13 | Fusion of a Flavin-Based Fluorescent Protein to Hydroxynitrile Lyase from Arabidopsis thaliana Improves Enzyme Stability. Applied and Environmental Microbiology, 2013, 79, 4727-4733. | 3.1 | 14 |
| 14 | Large-scale Enzymatic Synthesis of 12-Ketoursodeoxycholic Acid from Dehydrocholic Acid by Simultaneous Combination of 3α-Hydroxysteroid Dehydrogenase from Pseudomonas testosteroni and 7β-Hydroxysteroid Dehydrogenase from Collinsella aerofaciens. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 1037-1044. | 0.7 | 9 |
| 15 | Cofactor Trapping, a New Method To Produce Flavin Mononucleotide. Applied and Environmental Microbiology, 2011, 77, 1097-1100. | 3.1 | 11 |
| 16 | Structure elucidation of the thermal degradation products of the nucleotide cofactors NADH and NADPH by nano-ESI-FTICR-MS and HPLC-MS. Analytical and Bioanalytical Chemistry, 2010, 398, 2803-2811. | 3.7 | 31 |
| 17 | Factors influencing the operational stability of NADPH-dependent alcohol dehydrogenase and an NADH-dependent variant thereof in gas/solid reactors. Journal of Molecular Catalysis B: Enzymatic, 2010, 67, 271-283. | 1.8 | 18 |
| 18 | Mutual Exchange of Kinetic Properties by Extended Mutagenesis in Two Short LOV Domain Proteins from <i>Pseudomonas putida</i> . Biochemistry, 2009, 48, 10321-10333. | 2.5 | 55 |

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|----|---|-----|-----------|
| 19 | Mutation-induced metabolite pool alterations in Corynebacterium glutamicum: Towards the identification of nitrogen control signals. Journal of Biotechnology, 2006, 126, 440-453. | 3.8 | 20 |
| 20 | Ammonium Toxicity in Bacteria. Current Microbiology, 2006, 52, 400-406. | 2.2 | 167 |
| 21 | Vanillate Metabolism in Corynebacterium glutamicum. Current Microbiology, 2005, 51, 59-65. | 2.2 | 99 |