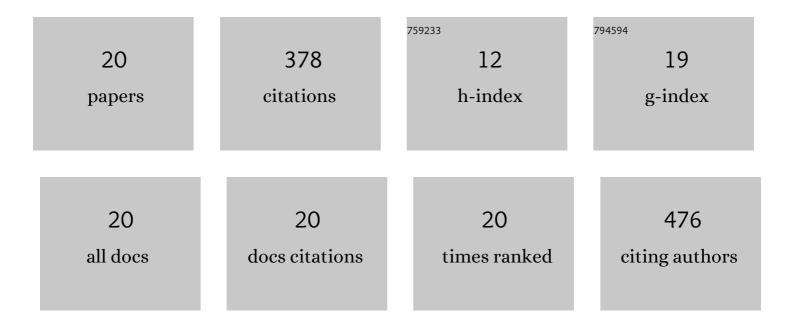
## Helena Junicke

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3599046/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Towards smart biomanufacturing: a perspective on recent developments in industrial measurement and monitoring technologies for bio-based production processes. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 947-964.	3.0	66
2	Resource recovery from waste streams in a water-energy-food nexus perspective: Toward more sustainable food processing. Food and Bioproducts Processing, 2020, 119, 133-147.	3.6	47
3	Towards a digital twin: a hybrid dataâ€driven and mechanistic digital shadow to forecast the evolution of lignocellulosic fermentation. Biofuels, Bioproducts and Biorefining, 2020, 14, 1046-1060.	3.7	39
4	Transforming data to information: A parallel hybrid model for realâ€ŧime state estimation in lignocellulosic ethanol fermentation. Biotechnology and Bioengineering, 2021, 118, 579-591.	3.3	28
5	Benchmarking real-time monitoring strategies for ethanol production from lignocellulosic biomass. Biomass and Bioenergy, 2019, 127, 105296.	5.7	25
6	Kinetic and thermodynamic control of butyrate conversion in non-defined methanogenic communities. Applied Microbiology and Biotechnology, 2016, 100, 915-925.	3.6	23
7	Automated Electrochemical Clucose Biosensor Platform as an Efficient Tool Toward On-Line Fermentation Monitoring: Novel Application Approaches and Insights. Frontiers in Bioengineering and Biotechnology, 2020, 8, 436.	4.1	23
8	Plasticicumulans lactativorans sp. nov., a polyhydroxybutyrate-accumulating gammaproteobacterium from a sequencing-batch bioreactor fed with lactate. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 33-38.	1.7	19
9	Absolute Quantification of Individual Biomass Concentrations in a Methanogenic Coculture. AMB Express, 2014, 4, 35.	3.0	17
10	Limitation of syntrophic coculture growth by the acetogen. Biotechnology and Bioengineering, 2016, 113, 560-567.	3.3	16
11	Analysis of the response of the cell membrane of Saccharomyces cerevisiae during the detoxification of common lignocellulosic inhibitors. Scientific Reports, 2021, 11, 6853.	3.3	14
12	Impact of the hydrogen partial pressure on lactate degradation in a coculture of Desulfovibrio sp. G11 and Methanobrevibacter arboriphilus DH1. Applied Microbiology and Biotechnology, 2015, 99, 3599-3608.	3.6	13
13	Sustainable Purification of Butanol from a Class of a Mixture Produced by Reduction of Volatile Fatty Acids. Industrial & Engineering Chemistry Research, 2021, 60, 4975-4986.	3.7	13
14	Monitoring yeast fermentations by nonlinear infrared technology and chemometrics—understanding process correlations and indirect predictions. Applied Microbiology and Biotechnology, 2020, 104, 5315-5335.	3.6	11
15	Electrochemical tuning of alcohol oxidase and dehydrogenase catalysis via biosensing towards butanol-1 detection in fermentation media. Biosensors and Bioelectronics, 2020, 170, 112702.	10.1	9
16	Promoting the co-utilisation of glucose and xylose in lignocellulosic ethanol fermentations using a data-driven feed-back controller. Biotechnology for Biofuels, 2020, 13, 190.	6.2	9
17	Assessment of alkaline stabilization processes in industrial waste streams using a model-based approach. Journal of Environmental Management, 2021, 293, 112806.	7.8	3
18	Comment on "A compilation and bioenergetic evaluation of syntrophic microbial growth yields in anaerobic digestion―by Patón, M. and RodrÃguez, J. [Water Research 162 (2019), 516–517]. Water Research, 2020, 173, 115347.	11.3	2

#	Article	IF	CITATIONS
19	Shaping an Open Microbiome for Butanol Production through Process Control. Fermentation, 2022, 8, 333.	3.0	1
20	Design and Application of an Electrochemical Sensor for Ammonium Monitoring in Bioprocesses. ECS Meeting Abstracts, 2020, MA2020-01, 2073-2073.	0.0	0