

Helena Junicke

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

378
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards smart biomanufacturing: a perspective on recent developments in industrial measurement and monitoring technologies for bio-based production processes. <i>Journal of Industrial Microbiology and Biotechnology</i> , 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. <i>Food and Bioproducts Processing</i> , 2020, 119, 133-147.	3.6	47
3	Towards a digital twin: a hybrid data-driven and mechanistic digital shadow to forecast the evolution of lignocellulosic fermentation. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 1046-1060.	3.7	39
4	Transforming data to information: A parallel hybrid model for real-time state estimation in lignocellulosic ethanol fermentation. <i>Biotechnology and Bioengineering</i> , 2021, 118, 579-591.	3.3	28
5	Benchmarking real-time monitoring strategies for ethanol production from lignocellulosic biomass. <i>Biomass and Bioenergy</i> , 2019, 127, 105296.	5.7	25
6	Kinetic and thermodynamic control of butyrate conversion in non-defined methanogenic communities. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 915-925.	3.6	23
7	Automated Electrochemical Glucose Biosensor Platform as an Efficient Tool Toward On-Line Fermentation Monitoring: Novel Application Approaches and Insights. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 436.	4.1	23
8	<i>Plasticicumulans lactativorans</i> sp. nov., a polyhydroxybutyrate-accumulating gammaproteobacterium from a sequencing-batch bioreactor fed with lactate. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 33-38.	1.7	19
9	Absolute Quantification of Individual Biomass Concentrations in a Methanogenic Coculture. <i>AMB Express</i> , 2014, 4, 35.	3.0	17
10	Limitation of syntrophic coculture growth by the acetogen. <i>Biotechnology and Bioengineering</i> , 2016, 113, 560-567.	3.3	16
11	Analysis of the response of the cell membrane of <i>Saccharomyces cerevisiae</i> during the detoxification of common lignocellulosic inhibitors. <i>Scientific Reports</i> , 2021, 11, 6853.	3.3	14
12	Impact of the hydrogen partial pressure on lactate degradation in a coculture of <i>Desulfovibrio</i> sp. G11 and <i>Methanobrevibacter arboriphilus</i> DH1. <i>Applied Microbiology and Biotechnology</i> , 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. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 4975-4986.	3.7	13
14	Monitoring yeast fermentations by nonlinear infrared technology and chemometrics—understanding process correlations and indirect predictions. <i>Applied Microbiology and Biotechnology</i> , 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. <i>Biosensors and Bioelectronics</i> , 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. <i>Biotechnology for Biofuels</i> , 2020, 13, 190.	6.2	9
17	Assessment of alkaline stabilization processes in industrial waste streams using a model-based approach. <i>Journal of Environmental Management</i> , 2021, 293, 112806.	7.8	3
18	Comment on "A compilation and bioenergetic evaluation of syntrophic microbial growth yields in anaerobic digestion" by Patán, M. and Rodríguez, J. [<i>Water Research</i> 162 (2019), 516-517]. <i>Water Research</i> , 2020, 173, 115347.	11.3	2

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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