

# Katrin Ochsenreither

## List of Publications by Year in descending order

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52  
papers

1,524  
citations

361413

20  
h-index

330143

37  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1638  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production Strategies and Applications of Microbial Single Cell Oils. <i>Frontiers in Microbiology</i> , 2016, 7, 1539.	3.5	199
2	FoldX as Protein Engineering Tool: Better Than Random Based Approaches?. <i>Computational and Structural Biotechnology Journal</i> , 2018, 16, 25-33.	4.1	175
3	Biotechnological potential and applications of microbial consortia. <i>Biotechnology Advances</i> , 2020, 40, 107500.	11.7	113
4	Malic acid production from renewables: a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 513-526.	3.2	98
5	Sustainable carbon sources for microbial organic acid production with filamentous fungi. <i>Biotechnology for Biofuels</i> , 2017, 10, 242.	6.2	79
6	Characterization of newly isolated oleaginous yeasts - <i>Cryptococcus podzolicus</i> , <i>Trichosporon porosum</i> and <i>Pichia segobiensis</i> . <i>AMB Express</i> , 2014, 4, 24.	3.0	71
7	Sequential Mixed Cultures: From Syngas to Malic Acid. <i>Frontiers in Microbiology</i> , 2016, 7, 891.	3.5	44
8	Process characterization and influence of alternative carbon sources and carbon-to-nitrogen ratio on organic acid production by <i>Aspergillus oryzae</i> DSM1863. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5449-5460.	3.6	43
9	Current status and perspectives of 2-phenylethanol production through biological processes. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 235-248.	9.0	40
10	Enzymatic glycolipid surfactant synthesis from renewables. <i>Process Biochemistry</i> , 2019, 87, 45-54.	3.7	39
11	The influence of different nitrogen and carbon sources on mycotoxin production in <i>Alternaria alternata</i> . <i>International Journal of Food Microbiology</i> , 2011, 147, 120-126.	4.7	37
12	Influence of pH and carbon to nitrogen ratio on mycotoxin production by <i>Alternaria alternata</i> in submerged cultivation. <i>AMB Express</i> , 2012, 2, 28.	3.0	33
13	Integrated Process for the Enzymatic Production of Fatty Acid Sugar Esters Completely Based on Lignocellulosic Substrates. <i>Frontiers in Chemistry</i> , 2018, 6, 421.	3.6	31
14	Enzymatic Synthesis of Glucose Monodecanoate in a Hydrophobic Deep Eutectic Solvent. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4342.	4.1	31
15	Bioconversion of volatile fatty acids into lipids by the oleaginous yeast <i>Apiotrichum porosum</i> DSM27194. <i>Fuel</i> , 2021, 290, 119811.	6.4	29
16	Co-production of single cell oil and gluconic acid using oleaginous <i>Cryptococcus podzolicus</i> DSM 27192. <i>Biotechnology for Biofuels</i> , 2019, 12, 127.	6.2	28
17	Continuous self-provided fermentation for microbial lipids production from acetate by using oleaginous yeasts <i>Cryptococcus podzolicus</i> and <i>Trichosporon porosum</i> . <i>Renewable Energy</i> , 2020, 146, 737-743.	8.9	26
18	Lipase-Catalyzed Synthesis of Sugar Esters in Honey and Agave Syrup. <i>Frontiers in Chemistry</i> , 2018, 6, 24.	3.6	24

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19	Optimization of Glycolipid Synthesis in Hydrophilic Deep Eutectic Solvents. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 382.	4.1	24
20	Evaluation of Downstream Processing, Extraction, and Quantification Strategies for Single Cell Oil Produced by the Oleaginous Yeasts <i>Saitozyma podzolica</i> DSM 27192 and <i>Apiotrichum porosum</i> DSM 27194. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 355.	4.1	23
21	Increased Lipid Production in <i>Yarrowia lipolytica</i> from Acetate through Metabolic Engineering and Cosubstrate Fermentation. <i>ACS Synthetic Biology</i> , 2021, 10, 3129-3138.	3.8	23
22	<i>Aestipascuomyces dupliciliberans</i> gen. nov, sp. nov., the First Cultured Representative of the Uncultured SK4 Clade from Aoudad Sheep and Alpaca. <i>Microorganisms</i> , 2020, 8, 1734.	3.6	21
23	Acetate as substrate for l-malic acid production with <i>Aspergillus oryzae</i> DSM 1863. <i>Biotechnology for Biofuels</i> , 2021, 14, 48.	6.2	21
24	Genomic insights into the lifestyles, functional capacities and oleagenicity of members of the fungal family Trichosporonaceae. <i>Scientific Reports</i> , 2020, 10, 2780.	3.3	19
25	Evaluation of Pyrolysis Oil as Carbon Source for Fungal Fermentation. <i>Frontiers in Microbiology</i> , 2016, 07, 2059.	3.5	18
26	Potentially biocompatible polyacrylamides derived by the Ugi four-component reaction. <i>European Polymer Journal</i> , 2015, 65, 313-324.	5.4	17
27	Draft Genome Sequence of the Oleaginous Yeast <i>Saitozyma podzolica</i> (syn. <i>Cryptococcus</i> ) Tj ETQq1 1 0.784314 rgBT / Overlock 10 TF	0.6	17
28	Optimization of carbon source efficiency for lipid production with the oleaginous yeast <i>Saitozyma podzolica</i> DSM 27192 applying automated continuous feeding. <i>Biotechnology for Biofuels</i> , 2020, 13, 181.	6.2	15
29	Lipase-Catalyzed Production of Sorbitol Laurate in a Deep Eutectic System: Factors Affecting the Synthesis and Scalability. <i>Molecules</i> , 2021, 26, 2759.	3.8	14
30	Draft Genome Sequence of the Oleaginous Yeast <i>Apiotrichum porosum</i> (syn. <i>Trichosporon</i> ) Tj ETQq0 0 0.9 rgBT / Overlock 10 TF	0.9	12
31	Valorization of Crude Glycerol into Citric Acid and Malic Acid by <i>Yarrowia lipolytica</i> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 17165-17172.	3.7	12
32	Interfacial and Foaming Properties of Tailor-Made Glycolipids—Influence of the Hydrophilic Head Group and Functional Groups in the Hydrophobic Tail. <i>Molecules</i> , 2020, 25, 3797.	3.8	12
33	Microwave-Assisted One-Pot Lipid Extraction and Glycolipid Production from Oleaginous Yeast <i>Saitozyma podzolica</i> in Sugar Alcohol-Based Media. <i>Molecules</i> , 2021, 26, 470.	3.8	12
34	Isolation and Biochemical Characterization of Six Anaerobic Fungal Strains from Zoo Animal Feces. <i>Microorganisms</i> , 2021, 9, 1655.	3.6	11
35	Global Transcriptome Profile of the Oleaginous Yeast <i>Saitozyma podzolica</i> DSM 27192 Cultivated in Glucose and Xylose. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 758.	3.5	11
36	Pulsed Electric Field Treatment Promotes Lipid Extraction on Fresh Oleaginous Yeast <i>Saitozyma podzolica</i> DSM 27192. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 575379.	4.1	10

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37	Detoxification of a pyrolytic aqueous condensate from wheat straw for utilization as substrate in <i>Aspergillus oryzae</i> DSM 1863 cultivations. , 2022, 15, 18.		10
38	Enzymatic Synthesis of Alkyl Glucosides by <i>α</i> -Glucosidases in a Deep Eutectic Solvent System. <i>Chemie-Ingenieur-Technik</i> , 2022, 94, 417-426.	0.8	9
39	Enhanced L-Malic Acid Production by <i>Aspergillus oryzae</i> DSM 1863 Using Repeated-Batch Cultivation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 760500.	4.1	9
40	Process development for the elucidation of mycotoxin formation in <i>Alternaria alternata</i> . <i>AMB Express</i> , 2011, 1, 27.	3.0	8
41	In silico Proteomic Analysis Provides Insights Into Phylogenomics and Plant Biomass Deconstruction Potentials of the Tremelalles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 226.	4.1	8
42	Immobilization of <i>Aspergillus oryzae</i> DSM 1863 for L-Malic Acid Production. <i>Fermentation</i> , 2022, 8, 26.	3.0	8
43	Valorization of a Pyrolytic Aqueous Condensate and Its Main Components for L-Malic Acid Production with <i>Aspergillus oryzae</i> DSM 1863. <i>Fermentation</i> , 2022, 8, 107.	3.0	8
44	Co-production of microbial lipids with valuable chemicals. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 945-954.	3.7	7
45	Comparative study on interfacial and foaming properties of glycolipids in relation to the gas applied for foam generation. <i>RSC Advances</i> , 2021, 11, 34235-34244.	3.6	6
46	The Complex Way to Sustainability: Petroleum-Based Processes versus Biosynthetic Pathways in the Formation of C4 Chemicals from Syngas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 15863-15871.	3.7	5
47	Evaluating the effect of cultivation conditions on palmitoleic acid-rich lipid production by <i>Scheffersomyces segobiensis</i> DSM 27193. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1859-1870.	3.7	4
48	Microbial Production of Value-Added Chemicals from Pyrolysis Oil and Syngas. , 2016, , 69-105.		2
49	The draft genome sequence of <i>Scheffersomyces segobiensis</i> strain DSM 27193, a yeast capable of producing palmitoleic acid-rich lipids. <i>3 Biotech</i> , 2021, 11, 488.	2.2	2
50	Production of palmitoleic acid by oleaginous yeast <i>Scheffersomyces segobiensis</i> DSM 27193 using systematic dissolved oxygen regulation strategy. <i>Chinese Journal of Chemical Engineering</i> , 2023, 53, 324-331.	3.5	2
51	Parameters Influencing Lipase-Catalyzed Glycolipid Synthesis by (Trans-)Esterification Reaction. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021, , .	1.1	1
52	Characterization and Phylogenetic Analysis of a Novel GH43 $\beta$ -Xylosidase From <i>Neocallimastix californiae</i> . <i>Frontiers in Fungal Biology</i> , 2021, 2, .	2.0	0