

# Lars Mathias Blank

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

241  
papers

7,238  
citations

47  
h-index

74  
g-index

269  
ext. papers

9,160  
ext. citations

5.9  
avg, IF

6.36  
L-index

#	Paper	IF	Citations
241	Early prediction of decompensation (EPOD) Score - non-invasive determination of liver cirrhosis decompensation risk.. <i>Liver International</i> , <b>2022</b> ,	7.9	1
240	Insights into cell wall disintegration of <i>Chlorella vulgaris</i> .. <i>PLoS ONE</i> , <b>2022</b> , 17, e0262500	3.7	2
239	Yeast-based production and in situ purification of acetaldehyde.. <i>Bioprocess and Biosystems Engineering</i> , <b>2022</b> , 45, 761	3.7	0
238	Entwicklung von <i>Ustilago</i> als Chassis für die CO <sub>2</sub> -neutrale Itakonitproduktion. <i>BioSpektrum</i> , <b>2022</b> , 28, 97-100	0.1	
237	Remobilization of pollutants during extreme flood events poses severe risks to human and environmental health. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 421, 126691	12.8	7
236	Seventeen Ustilaginaceae High-Quality Genome Sequences Allow Phylogenomic Analysis and Provide Insights into Secondary Metabolite Synthesis.. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2022</b> , 8,	5.6	1
235	Nitrogen Metabolism in <i>Pseudomonas putida</i> : Functional Analysis Using Random Barcode Transposon Sequencing.. <i>Applied and Environmental Microbiology</i> , <b>2022</b> , e0243021	4.8	0
234	<i>Ustilago maydis</i> Metabolic Characterization and Growth Quantification with a Genome-Scale Metabolic Model. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2022</b> , 8, 524	5.6	0
233	An integrated yeast-based process for cis,cis-muconic acid production. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 119, 376	4.9	1
232	A plea for the integration of Green Toxicology in sustainable bioeconomy strategies - Biosurfactants and microgel-based pesticide release systems as examples. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 127800	12.8	0
231	Bio-energy conversion with carbon capture and utilization (BECCU): integrated biomass fermentation and chemo-catalytic CO <sub>2</sub> hydrogenation for bioethanol and formic acid co-production. <i>Green Chemistry</i> , <b>2021</b> , 23, 9860-9864	10	1
230	Comparative Analysis of the Behaviour of Marine Litter in Thermochemical Waste Treatment Processes. <i>Processes</i> , <b>2021</b> , 9, 13	2.9	3
229	Designed to Be Green, Economic, and Efficient: A Ketone-Ester-Alcohol-Alkane Blend for Future Spark-Ignition Engines. <i>ChemSusChem</i> , <b>2021</b> , 14, 5254-5264	8.3	1
228	Correction for Thompson et al., Fatty Acid and Alcohol Metabolism in <i>Pseudomonas putida</i> : Functional Analysis Using Random Barcode Transposon Sequencing. <i>Applied and Environmental Microbiology</i> , <b>2021</b> , 87,	4.8	78
227	Proteome Regulation Patterns Determine <i>Escherichia coli</i> Wild-Type and Mutant Phenotypes. <i>MSystems</i> , <b>2021</b> , 6,	7.6	1
226	Biodegradation and up-cycling of polyurethanes: Progress, challenges, and prospects. <i>Biotechnology Advances</i> , <b>2021</b> , 48, 107730	17.8	23
225	A scalable bubble-free membrane aerator for biosurfactant production. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 3545-3558	4.9	1

224	Data-driven personalization of a physiologically based pharmacokinetic model for caffeine: A systematic assessment. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2021</b> , 10, 782-793	4.5	2
223	Lignin Aromatics to PHA Polymers: Nitrogen and Oxygen Are the Key Factors for Pseudomonas. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 10579-10590	8.3	6
222	Towards bio-upcycling of polyethylene terephthalate. <i>Metabolic Engineering</i> , <b>2021</b> , 66, 167-178	9.7	42
221	Upcycling of hydrolyzed PET by microbial conversion to a fatty acid derivative. <i>Methods in Enzymology</i> , <b>2021</b> , 648, 391-421	1.7	4
220	Genome-scale model reconstruction of the methylotrophic yeast <i>Ogataea polymorpha</i> . <i>BMC Biotechnology</i> , <b>2021</b> , 21, 23	3.5	1
219	MIXed plastics biodegradation and UPcycling using microbial communities: EU Horizon 2020 project MIX-UP started January 2020. <i>Environmental Sciences Europe</i> , <b>2021</b> , 33, 99	5	10
218	<i>Pseudomonas putida</i> KT2440 endures temporary oxygen limitations. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 4735-4750	4.9	1
217	Brewers' spent grain as carbon source for itaconate production with engineered <i>Ustilago maydis</i> . <i>Bioresource Technology</i> , <b>2021</b> , 336, 125262	11	3
216	A Model-Based Workflow to Benchmark the Clinical Cholestasis Risk of Drugs. <i>Clinical Pharmacology and Therapeutics</i> , <b>2021</b> , 110, 1293-1301	6.1	0
215	Engineering adipic acid metabolism in <i>Pseudomonas putida</i> . <i>Metabolic Engineering</i> , <b>2021</b> , 67, 29-40	9.7	8
214	Impact of the number of rhamnose moieties of rhamnolipids on the structure, lateral organization and morphology of model biomembranes. <i>Soft Matter</i> , <b>2021</b> , 17, 3191-3206	3.6	2
213	<i>Ustilaginaceae</i> Biocatalyst for Co-Metabolism of CO-Derived Substrates toward Carbon-Neutral Itaconate Production. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	2
212	The metabolic potential of plastics as biotechnological carbon sources - Review and targets for the future.. <i>Metabolic Engineering</i> , <b>2021</b> ,	9.7	6
211	Selection of a recyclable in situ liquid-liquid extraction solvent for foam-free synthesis of rhamnolipids in a two-phase fermentation. <i>Green Chemistry</i> , <b>2020</b> , 22, 8495-8510	10	7
210	Characterization of Context-Dependent Effects on Synthetic Promoters. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 551	5.8	8
209	Poly- $\gamma$ -glutamic acid production by <i>Bacillus subtilis</i> 168 using glucose as the sole carbon source: A metabolomic analysis. <i>Journal of Bioscience and Bioengineering</i> , <b>2020</b> , 130, 272-282	3.3	9
208	Machine Learning Applications for Mass Spectrometry-Based Metabolomics. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	61
207	Electrophysiology of the Facultative Autotrophic Bacterium. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 457	5.8	5

206	Biotechnological synthesis of water-soluble food-grade polyphosphate with <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , <b>2020</b> , 117, 2089-2099	4.9	5
205	Unraveling 1,4-Butanediol Metabolism in KT2440. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 382	5.7	20
204	Investigating metabolic interactions in a microbial co-culture through integrated modelling and experiments. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 1249-1258	6.8	10
203	Double bond localization in unsaturated rhamnolipid precursors 3-(3-hydroxyalkanoyloxy)alkanoic acids by liquid chromatography-mass spectrometry applying online PaternBñhi reaction. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 5601-5613	4.4	5
202	MEMOTE for standardized genome-scale metabolic model testing. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 272-276	11.5	121
201	Identification of Key Metabolites in Poly-L-Glutamic Acid Production by Tuning L-PGA Synthetase Expression. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 38	5.8	4
200	Glucose Catabolism Leading to Production of the Immunometabolite Acetate Has a Key Contribution to the Host Airway-Pathogen Interplay. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 406-421	5.5	6
199	Exploiting the Natural Diversity of RhIA Acyltransferases for the Synthesis of the Rhamnolipid Precursor 3-(3-Hydroxyalkanoyloxy)Alkanoic Acid. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	22
198	An <i>Ustilago maydis</i> chassis for itaconic acid production without by-products. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 350-362	6.3	17
197	Von Plastikmüll zu Plastikwertstoffen [Polymerrecycling neu gedacht. <i>BioSpektrum</i> , <b>2020</b> , 26, 212-214	0.1	
196	Systems Analysis of NADH Dehydrogenase Mutants Reveals Flexibility and Limits of <i>Pseudomonas taiwanensis</i> VLB120's Metabolism. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	2
195	Seawater activated TiO <sub>2</sub> photocatalyst for degradation of organic compounds. <i>Sustainable Chemistry and Pharmacy</i> , <b>2020</b> , 16, 100251	3.9	3
194	An Optimized for Itaconic Acid Production at Maximal Theoretical Yield. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2020</b> , 7,	5.6	9
193	Adaptive laboratory evolution of and to enhance anthranilate tolerance. <i>Microbiology (United Kingdom)</i> , <b>2020</b> , 166, 1025-1037	2.9	8
192	Biotechnological upcycling of plastic waste and other non-conventional feedstocks in a circular economy. <i>Current Opinion in Biotechnology</i> , <b>2020</b> , 62, 212-219	11.4	70
191	High titer methyl ketone production with tailored <i>Pseudomonas taiwanensis</i> VLB120. <i>Metabolic Engineering</i> , <b>2020</b> , 62, 84-94	9.7	3
190	Comprehensive liamocin biosurfactants analysis by reversed phase liquid chromatography coupled to mass spectrometric and charged-aerosol detection. <i>Journal of Chromatography A</i> , <b>2020</b> , 1627, 461404	4.5	3
189	Defined Microbial Mixed Culture for Utilization of Polyurethane Monomers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 17466-17474	8.3	37

188	Genetic Cell-Surface Modification for Optimized Foam Fractionation. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 572892	5.8	8
187	Interaction of rhamnolipids with model biomembranes of varying complexity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2020</b> , 1862, 183431	3.8	9
186	A Straightforward Assay for Screening and Quantification of Biosurfactants in Microbial Culture Supernatants. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 958	5.8	6
185	Integration of Genetic and Process Engineering for Optimized Rhamnolipid Production Using. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 976	5.8	23
184	A Combined Bio-Chemical Synthesis Route for 1-Octene Sheds Light on Rhamnolipid Structure. <i>Catalysts</i> , <b>2020</b> , 10, 874	4	6
183	Killing Two Birds With One Stone - Strain Engineering Facilitates the Development of a Unique Rhamnolipid Production Process. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 899	5.8	14
182	GC-MS-Based Metabolomics for the Smut Fungus : A Comprehensive Method Optimization to Quantify Intracellular Metabolites. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 211	5.6	5
181	The Inflection Point Hypothesis: The Relationship between the Temperature Dependence of Enzyme-Catalyzed Reaction Rates and Microbial Growth Rates. <i>Biochemistry</i> , <b>2020</b> , 59, 3562-3569	3.2	8
180	Benzoate Synthesis from Glucose or Glycerol Using Engineered <i>Pseudomonas taiwanensis</i> . <i>Biotechnology Journal</i> , <b>2020</b> , 15, e2000211	5.6	6
179	Fatty Acid and Alcohol Metabolism in <i>Pseudomonas putida</i> : Functional Analysis Using Random Barcode Transposon Sequencing. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	16
178	Consolidated bioprocessing of cellulose to itaconic acid by a co-culture of <i>Trichoderma reesei</i> and <i>Ustilago maydis</i> . <i>Biotechnology for Biofuels</i> , <b>2020</b> , 13, 207	7.8	15
177	Coupling an Electroactive KT2440 with Bioelectrochemical Rhamnolipid Production. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	3
176	Uncoupling Foam Fractionation and Foam Adsorption for Enhanced Biosurfactant Synthesis and Recovery. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	6
175	Mitochondrial carriers of <i>Ustilago maydis</i> and <i>Aspergillus terreus</i> involved in itaconate production: same physiological role but different biochemical features. <i>FEBS Letters</i> , <b>2020</b> , 594, 728-739	3.8	6
174	Streamlined VLB120 Chassis Strains with Improved Bioprocess Features. <i>ACS Synthetic Biology</i> , <b>2019</b> , 8, 2036-2050	5.7	12
173	A Physiology-Based Model of Human Bile Acid Metabolism for Predicting Bile Acid Tissue Levels After Drug Administration in Healthy Subjects and BRIC Type 2 Patients. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1192	4.6	4
172	Rational Selection of Carbon Fiber Properties for High-Performance Textile Electrodes in Bioelectrochemical Systems. <i>Frontiers in Energy Research</i> , <b>2019</b> , 7,	3.8	5
171	Microfluidic Irreversible Electroporation-A Versatile Tool to Extract Intracellular Contents of Bacteria and Yeast. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	6

170	The interplay between transport and metabolism in fungal itaconic acid production. <i>Fungal Genetics and Biology</i> , <b>2019</b> , 125, 45-52	3.9	21
169	High-Yield Production of 4-Hydroxybenzoate From Glucose or Glycerol by an Engineered VLB120. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 130	5.8	14
168	Laboratory evolution reveals the metabolic and regulatory basis of ethylene glycol metabolism by <i>Pseudomonas putida</i> KT2440. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 3669-3682	5.2	43
167	Elevated temperatures do not trigger a conserved metabolic network response among thermotolerant yeasts. <i>BMC Microbiology</i> , <b>2019</b> , 19, 100	4.5	7
166	Engineering the morphology and metabolism of pH tolerant <i>Ustilago cynodontis</i> for efficient itaconic acid production. <i>Metabolic Engineering</i> , <b>2019</b> , 54, 293-300	9.7	29
165	Polyphosphate Chain Length Determination in the Range of Two to Several Hundred P-Subunits with a New Enzyme Assay and P NMR. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 7654-7661	7.8	4
164	Aromatisation of bio-derivable isobutyraldehyde over HZSM-5 zeolite catalysts. <i>Green Chemistry</i> , <b>2019</b> , 21, 1710-1717	10	13
163	The Transcriptome and Flux Profiling of Crabtree-Negative Hydroxy Acid-Producing Strains of <i>Saccharomyces cerevisiae</i> Reveals Changes in the Central Carbon Metabolism. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1900013	5.6	2
162	<i>Saccharomyces cerevisiae</i> containing 28% polyphosphate and production of a polyphosphate-rich yeast extract thereof. <i>FEMS Yeast Research</i> , <b>2019</b> , 19,	3.1	16
161	mRNA 2.0: Boosting Gene Expression Through Enhanced mRNA Stability and Translational Efficiency. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 458	5.8	8
160	Comparison of Isomerase and Weimberg Pathway for $\gamma$ -PGA Production From Xylose by Engineered. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 476	5.8	12
159	Evaluation of pyruvate decarboxylase-negative strains for the production of succinic acid. <i>Engineering in Life Sciences</i> , <b>2019</b> , 19, 711-720	3.4	6
158	Exploiting the diversity of streptococcal hyaluronan synthases for the production of molecular weight-tailored hyaluronan. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 7567-7581	5.7	7
157	Targeting 16S rDNA for Stable Recombinant Gene Expression in. <i>ACS Synthetic Biology</i> , <b>2019</b> , 8, 1901-1912	5.7	9
156	Multi-Omics Analysis of Fatty Alcohol Production in Engineered Yeasts and. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 747	4.5	23
155	Tailor-made poly- $\gamma$ -glutamic acid production. <i>Metabolic Engineering</i> , <b>2019</b> , 55, 239-248	9.7	17
154	Electrochemical conversion of a bio-derivable hydroxy acid to a drop-in oxygenate diesel fuel. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 2406-2411	35.4	31
153	Boosting Heterologous Phenazine Production in KT2440 Through the Exploration of the Natural Sequence Space. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1990	5.7	13

152	Rational Engineering of Phenylalanine Accumulation in to Enable High-Yield Production of -Cinnamate. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 312	5.8	12
151	Integrated strain- and process design enable production of 220g/L itaconic acid with. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 263	7.8	31
150	Comparison of Three Xylose Pathways in KT2440 for the Synthesis of Valuable Products. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 480	5.8	45
149	Process engineering of pH tolerant <i>Ustilago cynodontis</i> for efficient itaconic acid production. <i>Microbial Cell Factories</i> , <b>2019</b> , 18, 213	6.4	9
148	Microfluidic Platform for Multimodal Analysis of Enzyme Secretion in Nanoliter Droplet Arrays. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2066-2073	7.8	39
147	Integration of genome-scale metabolic networks into whole-body PBPK models shows phenotype-specific cases of drug-induced metabolic perturbation. <i>Npj Systems Biology and Applications</i> , <b>2018</b> , 4, 10	5	17
146	Enzymatic quantification and length determination of polyphosphate down to a chain length of two. <i>Analytical Biochemistry</i> , <b>2018</b> , 548, 82-90	3.1	10
145	Heterologous production of long-chain rhamnolipids from <i>Burkholderia glumae</i> in <i>Pseudomonas putida</i> -a step forward to tailor-made rhamnolipids. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 1229-1239	5.7	43
144	A breath of information: the volatilome. <i>Current Genetics</i> , <b>2018</b> , 64, 959-964	2.9	23
143	Malatproduktion aus Rohglycerin mit <i>Ustilago</i> . <i>BioSpektrum</i> , <b>2018</b> , 24, 218-220	0.1	
142	Metabolic engineering of <i>Pseudomonas taiwanensis</i> VLB120 with minimal genomic modifications for high-yield phenol production. <i>Metabolic Engineering</i> , <b>2018</b> , 47, 121-133	9.7	50
141	Defined inoculum for the investigation of microbial contaminations of liquid fuels. <i>International Biodeterioration and Biodegradation</i> , <b>2018</b> , 132, 84-93	4.8	4
140	Mass spectrometric characterization of siderophores produced by <i>Pseudomonas taiwanensis</i> VLB120 assisted by stable isotope labeling of nitrogen source. <i>BioMetals</i> , <b>2018</b> , 31, 785-795	3.4	3
139	Using quantitative systems pharmacology to evaluate the drug efficacy of COX-2 and 5-LOX inhibitors in therapeutic situations. <i>Npj Systems Biology and Applications</i> , <b>2018</b> , 4, 28	5	11
138	Physiologic and metabolic characterization of <i>Saccharomyces cerevisiae</i> reveals limitations in the synthesis of the triterpene squalene. <i>FEMS Yeast Research</i> , <b>2018</b> , 18,	3.1	6
137	Genetic Optimization Algorithm for Metabolic Engineering Revisited. <i>Metabolites</i> , <b>2018</b> , 8,	5.6	9
136	Discovery and Evaluation of Biosynthetic Pathways for the Production of Five Methyl Ethyl Ketone Precursors. <i>ACS Synthetic Biology</i> , <b>2018</b> , 7, 1858-1873	5.7	19
135	Improved microscale cultivation of for clonal screening. <i>Fungal Biology and Biotechnology</i> , <b>2018</b> , 5, 8	7.5	10

134	Evolutionary freedom in the regulation of the conserved itaconate cluster by Ria1 in related Ustilaginaceae. <i>Fungal Biology and Biotechnology</i> , <b>2018</b> , 5, 14	7.5	12
133	Engineering <i>Pseudomonas putida</i> KT2440 for efficient ethylene glycol utilization. <i>Metabolic Engineering</i> , <b>2018</b> , 48, 197-207	9.7	60
132	Multi-capillary Column Ion Mobility Spectrometry of Volatile Metabolites for Phenotyping of Microorganisms. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1671, 229-258	1.4	2
131	A model-based assay design to reproduce in vivo patterns of acute drug-induced toxicity. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 553-555	5.8	17
130	Analytical polyphosphate extraction from <i>Saccharomyces cerevisiae</i> . <i>Analytical Biochemistry</i> , <b>2018</b> , 563, 71-78	3.1	9
129	Restoration of biofuel production levels and increased tolerance under ionic liquid stress is enabled by a mutation in the essential <i>Escherichia coli</i> gene <i>cydC</i> . <i>Microbial Cell Factories</i> , <b>2018</b> , 17, 159	6.4	24
128	From beech wood to itaconic acid: case study on biorefinery process integration. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 279	7.8	38
127	Online in vivo monitoring of cytosolic NAD redox dynamics in <i>Ustilago maydis</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2018</b> , 1859, 1015-1024	4.6	10
126	CO to succinic acid - Estimating the potential of biocatalytic routes. <i>Metabolic Engineering Communications</i> , <b>2018</b> , 7, e00075	6.5	21
125	Ultrasonically manufactured microfluidic device for yeast analysis. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 2139-2144	1.7	10
124	Model-based contextualization of in vitro toxicity data quantitatively predicts in vivo drug response in patients. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 865-883	5.8	14
123	Metabolic engineering of TZ1 for improved malic acid production. <i>Metabolic Engineering Communications</i> , <b>2017</b> , 4, 12-21	6.5	40
122	Multiscale modeling reveals inhibitory and stimulatory effects of caffeine on acetaminophen-induced toxicity in humans. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2017</b> , 6, 136-146	4.5	5
121	Integrated process development of a reactive extraction concept for itaconic acid and application to a real fermentation broth. <i>Engineering in Life Sciences</i> , <b>2017</b> , 17, 809-816	3.4	17
120	Regulation of solvent tolerance in <i>Pseudomonas putida</i> S12 mediated by mobile elements. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 1558-1568	6.3	11
119	Novel insights into biosynthesis and uptake of rhamnolipids and their precursors. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 2865-2878	5.7	61
118	Comprehensive Real-Time Analysis of the Yeast Volatilome. <i>Scientific Reports</i> , <b>2017</b> , 7, 14236	4.9	20
117	Promoters from the itaconate cluster of are induced by nitrogen depletion. <i>Fungal Biology and Biotechnology</i> , <b>2017</b> , 4, 11	7.5	16



116	Designer rhamnolipids by reduction of congener diversity: production and characterization. <i>Microbial Cell Factories</i> , <b>2017</b> , 16, 225	6.4	67
115	Fermentation and purification strategies for the production of betulonic acid and its lupane-type precursors in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 2528-2538	4.9	24
114	Miniaturized octupole cytometry for cell type independent trapping and analysis. <i>Microfluidics and Nanofluidics</i> , <b>2017</b> , 21, 1	2.8	7
113	A comprehensive evaluation of constraining amino acid biosynthesis in compartmented models for metabolic flux analysis. <i>Metabolic Engineering Communications</i> , <b>2017</b> , 5, 34-44	6.5	8
112	Let's talk about flux or the importance of (intracellular) reaction rates. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 28-30	6.3	4
111	Anionic Extraction for Efficient Recovery of Biobased 2,3-Butanediol-A Platform for Bulk and Fine Chemicals. <i>ChemSusChem</i> , <b>2017</b> , 10, 3252-3259	8.3	17
110	Efficient itaconic acid production from glycerol with TZ1. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 131	7.8	39
109	Metabolic response of to increased NADH regeneration rates. <i>Engineering in Life Sciences</i> , <b>2017</b> , 17, 47-53	7.4	11
108	Rhamnolipids: Production, Performance, and Application <b>2017</b> , 587-622		2
107	A Comparative Analysis of Drug-Induced Hepatotoxicity in Clinically Relevant Situations. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005280	5	8
106	Exploration and Exploitation of the Yeast Volatilome. <i>Current Metabolomics</i> , <b>2017</b> , 5,	1	8
105	Rhamnolipids: Production, Performance, and Application <b>2017</b> , 1-37		0
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4	Bio-upcycling of polyethylene terephthalate		9
3	Determination of growth-coupling strategies and their underlying principles		1
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