

# Norbert Mehlmer

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,587  
citations

361413

20  
h-index

330143

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2322  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Green Light Acclimation of the Green Algae <i>Picochlorum</i> sp. Triggering Geranylgeranylated Chlorophylls. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 885977.	4.1	4
2	A Newly Designed Automatically Controlled, Sterilizable Flat Panel Photobioreactor for Axenic Algae Culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 697354.	4.1	13
3	Systems Biology Engineering of the Pantothenate Pathway to Enhance 3HB Productivity in <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 621-629.	2.6	3
4	Identifying carbohydrate-active enzymes of <i>Cutaneotrichosporon oleaginosus</i> using systems biology. <i>Microbial Cell Factories</i> , 2021, 20, 205.	4.0	9
5	Oleaginous yeasts- substrate preference and lipid productivity: a view on the performance of microbial lipid producers. <i>Microbial Cell Factories</i> , 2021, 20, 220.	4.0	27
6	Greener aromatic antioxidants for aviation and beyond. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2153-2163.	4.9	4
7	Microbial lipid production by oleaginous yeasts grown on <i>Scenedesmus obtusiusculus</i> microalgae biomass hydrolysate. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1629-1638.	3.4	27
8	Additive Analytics: Easy Transformation of Low-Cost Fused Deposition Modeling Three-Dimensional Printers for HPTLC Sample Application. <i>ACS Omega</i> , 2020, 5, 11147-11150.	3.5	5
9	Towards high-throughput optimization of microbial lipid production: from strain development to process monitoring. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5958-5969.	4.9	6
10	Engineering <i>Escherichia coli</i> FAB system using synthetic plant genes for the production of long chain fatty acids. <i>Microbial Cell Factories</i> , 2019, 18, 163.	4.0	19
11	Current understanding and biotechnological application of the bacterial diterpene synthase CotB2. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2355-2368.	2.2	17
12	A sustainable, high-performance process for the economic production of waste-free microbial oils that can replace plant-based equivalents. <i>Energy and Environmental Science</i> , 2019, 12, 2717-2732.	30.8	45
13	Nutritional and Additive Uses of Chitin and Chitosan in the Food Industry. <i>Sustainable Agriculture Reviews</i> , 2019, , 1-43.	1.1	18
14	Multi-Factorial-Guided Media Optimization for Enhanced Biomass and Lipid Formation by the Oleaginous Yeast <i>Cutaneotrichosporon oleaginosus</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 54.	4.1	42
15	GFP Scaffold-Based Engineering for the Production of Unbranched Very Long Chain Fatty Acids in <i>Escherichia coli</i> With Oleic Acid and Cerulenin Supplementation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 408.	4.1	4
16	A Seagrass-Based Biorefinery for Generation of Single-Cell Oils for Biofuel and Oleochemical Production. <i>Energy Technology</i> , 2018, 6, 1026-1038.	3.8	18
17	Chloroplast Ca <sup>2+</sup> Fluxes into and across Thylakoids Revealed by Thylakoid-Targeted Aequorin Probes. <i>Plant Physiology</i> , 2018, 177, 38-51.	4.8	36
18	Identification of sesquiterpene synthases from the Basidiomycota <i>Coniophora puteana</i> for the efficient and highly selective $\beta$ -copaene and cubebol production in <i>E. coli</i> . <i>Microbial Cell Factories</i> , 2018, 17, 164.	4.0	37

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19	Harvest of the Oleaginous Microalgae <i>Scenedesmus obtusiusculus</i> by Flocculation From Culture Based on Natural Water Sources. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 200.	4.1	19
20	Modular biomanufacturing for a sustainable production of terpenoid-based insect deterrents. <i>Green Chemistry</i> , 2018, 20, 2637-2650.	9.0	29
21	Strain selection of microalgae isolated from Tunisian coast: characterization of the lipid profile for potential biodiesel production. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1449-1459.	3.4	12
22	Matrix-free laser desorption ionization mass spectrometry as a functional tool for the analysis and differentiation of complex phenolic mixtures in propolis: a new approach to quality control. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6187-6195.	3.7	11
23	A waste-free, microbial oil centered cyclic bio-refinery approach based on flexible macroalgae biomass. <i>Applied Energy</i> , 2018, 224, 1-12.	10.1	28
24	Opportunities and challenges in the development of <i>Cutaneotrichosporon oleaginosus</i> ATCC 20509 as a new cell factory for custom tailored microbial oils. <i>Microbial Cell Factories</i> , 2017, 16, 178.	4.0	45
25	Phosphorylation of <i>Arabidopsis</i> transketolase at Ser428 provides a potential paradigm for the metabolic control of chloroplast carbon metabolism. <i>Biochemical Journal</i> , 2014, 458, 313-322.	3.7	44
26	The effect of Translationally Controlled Tumour Protein (TCTP) on programmed cell death in plants. <i>BMC Plant Biology</i> , 2013, 13, 135.	3.6	47
27	Salt Stress Triggers Phosphorylation of the <i>Arabidopsis</i> Vacuolar K <sup>+</sup> Channel TPK1 by Calcium-Dependent Protein Kinases (CDPKs). <i>Molecular Plant</i> , 2013, 6, 1274-1289.	8.3	152
28	A toolset of aequorin expression vectors for in planta studies of subcellular calcium concentrations in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 1751-1761.	4.8	76
29	Plant organellar calcium signalling: an emerging field. <i>Journal of Experimental Botany</i> , 2012, 63, 1525-1542.	4.8	296
30	Protein N-acylation overrides differing targeting signals. <i>FEBS Letters</i> , 2011, 585, 517-522.	2.8	43
31	The Ca <sup>2+</sup> -dependent protein kinase CPK3 is required for MAPK-independent salt-stress acclimation in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2010, 63, 484-498.	5.7	203
32	Kinetic Analysis of 14-3-3-Inhibited <i>Arabidopsis thaliana</i> Nitrate Reductase. <i>Biochemistry</i> , 2010, 49, 8177-8186.	2.5	53
33	Functional Complementation of Yeast Mutants to Study Plant Signalling Pathways. <i>Methods in Molecular Biology</i> , 2009, 479, 235-245.	0.9	5
34	Experimental testing of predicted myristoylation targets involved in asymmetric cell division and calcium-dependent signalling. <i>Cell Cycle</i> , 2008, 7, 3709-3719.	2.6	65
35	Ubiquitin Lysine 63 Chain-Forming Ligases Regulate Apical Dominance in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 1898-1911.	6.6	97
36	Functional interaction in establishment of ribosomal integrity between small subunit protein rpS6 and translational regulator rpL10/Grc5p. <i>FEMS Yeast Research</i> , 2004, 5, 271-280.	2.3	27