

# Daniel Garbe

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

550  
citations

759233  
12  
h-index

713466  
21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an understanding of oleate hydratases and their application in industrial processes. Microbial Cell Factories, 2022, 21, 58.	4.0	13
2	Efficient Green Light Acclimation of the Green Algae Picochlorum sp. Triggering Geranylgeranylated Chlorophylls. Frontiers in Bioengineering and Biotechnology, 2022, 10, 885977.	4.1	4
3	Life cycle greenhouse gas emissions of microalgal fuel from thin-layer cascades. Bioprocess and Biosystems Engineering, 2021, 44, 2399-2406.	3.4	4
4	A Newly Designed Automatically Controlled, Sterilizable Flat Panel Photobioreactor for Axenic Algae Culture. Frontiers in Bioengineering and Biotechnology, 2021, 9, 697354.	4.1	13
5	Towards a sustainable generation of pseudopterosin-type bioactives. Green Chemistry, 2020, 22, 6033-6046.	9.0	9
6	Enzymatic Modification of Native Chitin and Conversion to Specialty Chemical Products. Marine Drugs, 2020, 18, 93.	4.6	42
7	Current understanding and biotechnological application of the bacterial diterpene synthase CotB2. Beilstein Journal of Organic Chemistry, 2019, 15, 2355-2368.	2.2	17
8	A sustainable, high-performance process for the economic production of waste-free microbial oils that can replace plant-based equivalents. Energy and Environmental Science, 2019, 12, 2717-2732.	30.8	45
9	ChiBio: An Integrated Bio-refinery for Processing Chitin-Rich Bio-waste to Specialty Chemicals. Grand Challenges in Biology and Biotechnology, 2018, , 555-578.	2.4	22
10	In Vitro Bioconversion of Pyruvate to n-Butanol with Minimized Cofactor Utilization. Frontiers in Bioengineering and Biotechnology, 2016, 4, 74.	4.1	21
11	Genetic engineering and production of modified fatty acids by the non-conventional oleaginous yeast Trichosporon oleaginosus ATCC 20509. Green Chemistry, 2016, 18, 2037-2046.	9.0	52
12	Identification and characterization of a highly thermostable crotonase from Meiothermus ruber. Journal of Molecular Catalysis B: Enzymatic, 2015, 112, 40-44.	1.8	2
13	Identification and optimization of a novel thermo- and solvent stable ketol-acid reductoisomerase for cell free isobutanol biosynthesis. Biochimie, 2015, 108, 76-84.	2.6	9
14	Detailed Structure-Function Correlations of <i>Bacillus subtilis</i> Acetolactate Synthase. ChemBioChem, 2015, 16, 110-118.	2.6	20
15	Meiothermus ruber thiolase – A new process stable enzyme for improved butanol synthesis. Biochimie, 2014, 103, 16-22.	2.6	4
16	Characterization of a highly thermostable ̳-hydroxybutyryl CoA dehydrogenase from Clostridium acetobutylicum ATCC 824. Journal of Molecular Catalysis B: Enzymatic, 2013, 98, 138-144.	1.8	9
17	Cell-Free Metabolic Engineering: Production of Chemicals by Minimized Reaction Cascades. ChemSusChem, 2012, 5, 2165-2172.	6.8	219
18	Industry Potential of Marine Bioactive Components: Downstream Processing and Vehicles for Efficient Delivery In Situ. , 2012, , 129-157.		2

#	ARTICLE	IF	CITATIONS
19	4 Algae symbiosis with eukaryotic partners. , 2012, , 55-86.		0
20	Protein <i>trans</i>-splicing on an M13 bacteriophage: towards directed evolution of a semisynthetic split intein by phage display. Journal of Peptide Science, 2010, 16, 575-581.	1.4	12
21	Chapter 4 Semisynthesis of Proteins Using Split Inteins. Methods in Enzymology, 2009, 462, 77-96.	1.0	12
22	Enzymatic Cyclisation of Peptidomimetics with Incorporated (E)-Alkene Dipeptide Isosteres. ChemBioChem, 2004, 5, 1000-1003.	2.6	18