

# Daniel Garbe

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

550  
citations

759055

12  
h-index

713332

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. <i>Microbial Cell Factories</i> , 2022, 21, 58.	1.9	13
2	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.	2.0	4
3	Life cycle greenhouse gas emissions of microalgal fuel from thin-layer cascades. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2399-2406.	1.7	4
4	A Newly Designed Automatically Controlled, Sterilizable Flat Panel Photobioreactor for Axenic Algae Culture. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 697354.	2.0	13
5	Towards a sustainable generation of pseudopterosin-type bioactives. <i>Green Chemistry</i> , 2020, 22, 6033-6046.	4.6	9
6	Enzymatic Modification of Native Chitin and Conversion to Specialty Chemical Products. <i>Marine Drugs</i> , 2020, 18, 93.	2.2	42
7	Current understanding and biotechnological application of the bacterial diterpene synthase CotB2. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2355-2368.	1.3	17
8	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.	15.6	45
9	ChiBio: An Integrated Bio-refinery for Processing Chitin-Rich Bio-waste to Specialty Chemicals. <i>Grand Challenges in Biology and Biotechnology</i> , 2018, , 555-578.	2.4	22
10	In Vitro Bioconversion of Pyruvate to n-Butanol with Minimized Cofactor Utilization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 74.	2.0	21
11	Genetic engineering and production of modified fatty acids by the non-conventional oleaginous yeast <i>Trichosporon oleaginosus</i> ATCC 20509. <i>Green Chemistry</i> , 2016, 18, 2037-2046.	4.6	52
12	Identification and characterization of a highly thermostable crotonase from <i>Meiothermus ruber</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 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. <i>Biochimie</i> , 2015, 108, 76-84.	1.3	9
14	Detailed Structure-Function Correlations of <i>Bacillus subtilis</i> Acetolactate Synthase. <i>ChemBioChem</i> , 2015, 16, 110-118.	1.3	20
15	<i>Meiothermus ruber</i> thiolase – A new process stable enzyme for improved butanol synthesis. <i>Biochimie</i> , 2014, 103, 16-22.	1.3	4
16	Characterization of a highly thermostable ̢-hydroxybutyryl CoA dehydrogenase from <i>Clostridium acetobutylicum</i> ATCC 824. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 98, 138-144.	1.8	9
17	Cell-Free Metabolic Engineering: Production of Chemicals by Minimized Reaction Cascades. <i>ChemSusChem</i> , 2012, 5, 2165-2172.	3.6	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.	0.8	12
21	Chapter 4 Semisynthesis of Proteins Using Split Inteins. Methods in Enzymology, 2009, 462, 77-96.	0.4	12
22	Enzymatic Cyclisation of Peptidomimetics with Incorporated (E)-Alkene Dipeptide Isosteres. ChemBioChem, 2004, 5, 1000-1003.	1.3	18