

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	Cell-Free Metabolic Engineering: Production of Chemicals by Minimized Reaction Cascades. <i>ChemSusChem</i> , 2012, 5, 2165-2172.	6.8	219
2	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.	9.0	52
3	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
4	Enzymatic Modification of Native Chitin and Conversion to Specialty Chemical Products. <i>Marine Drugs</i> , 2020, 18, 93.	4.6	42
5	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
6	In Vitro Bioconversion of Pyruvate to n-Butanol with Minimized Cofactor Utilization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 74.	4.1	21
7	Detailed Structure-Function Correlations of <i>Bacillus subtilis</i> Acetolactate Synthase. <i>ChemBioChem</i> , 2015, 16, 110-118.	2.6	20
8	Enzymatic Cyclisation of Peptidomimetics with Incorporated (E)-Alkene Dipeptide Isosteres. <i>ChemBioChem</i> , 2004, 5, 1000-1003.	2.6	18
9	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
10	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
11	Towards an understanding of oleate hydratases and their application in industrial processes. <i>Microbial Cell Factories</i> , 2022, 21, 58.	4.0	13
12	Chapter 4 Semisynthesis of Proteins Using Split Inteins. <i>Methods in Enzymology</i> , 2009, 462, 77-96.	1.0	12
13	Protein trans-splicing on an M13 bacteriophage: towards directed evolution of a semisynthetic split intein by phage display. <i>Journal of Peptide Science</i> , 2010, 16, 575-581.	1.4	12
14	Characterization of a highly thermostable γ -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
15	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.	2.6	9
16	Towards a sustainable generation of pseudopterosin-type bioactives. <i>Green Chemistry</i> , 2020, 22, 6033-6046.	9.0	9
17	<i>Meiothermus ruber</i> thiolase – A new process stable enzyme for improved butanol synthesis. <i>Biochimie</i> , 2014, 103, 16-22.	2.6	4
18	Life cycle greenhouse gas emissions of microalgal fuel from thin-layer cascades. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 2399-2406.	3.4	4

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19	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
20	Industry Potential of Marine Bioactive Components: Downstream Processing and Vehicles for Efficient Delivery In Situ. , 2012, , 129-157.		2
21	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
22	4 Algae symbiosis with eukaryotic partners. , 2012, , 55-86.		0