

Daniel Pleissner

List of Publications by Year in descending order

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58
papers

3,096
citations

186209

28
h-index

155592

55
g-index

59
all docs

59
docs citations

59
times ranked

3385
citing authors

#	ARTICLE	IF	CITATIONS
1	Valorization of landscape management grass. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 2889-2905.	2.9	5
2	Removal of Phenolic Compounds from Olive Mill Wastewater by Microalgae Grown Under Dark and Light Conditions. <i>Waste and Biomass Valorization</i> , 2022, 13, 525-534.	1.8	11
3	An automated, modular system for organic waste utilization using heterotrophic alga <i>Galdieria sulphuraria</i> : Design considerations and sustainability. <i>Bioresource Technology</i> , 2022, 348, 126800.	4.8	10
4	Kinetic and Stoichiometric Modeling-Based Analysis of Docosahexaenoic Acid (DHA) Production Potential by <i>Cryptocodinium cohnii</i> from Glycerol, Glucose and Ethanol. <i>Marine Drugs</i> , 2022, 20, 115.	2.2	6
5	Life cycle assessment of hetero- and phototrophic as well as combined cultivations of <i>Galdieria sulphuraria</i> . <i>Bioresource Technology</i> , 2021, 335, 125227.	4.8	11
6	Heterotrophic cultivation of <i>Galdieria sulphuraria</i> under non-sterile conditions in digestate and hydrolyzed straw. <i>Bioresource Technology</i> , 2021, 337, 125477.	4.8	20
7	Cultivation of the heterotrophic microalga <i>Galdieria sulphuraria</i> on food waste: A Life Cycle Assessment. <i>Bioresource Technology</i> , 2021, 340, 125637.	4.8	8
8	An integrated, modular biorefinery for the treatment of food waste in urban areas. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100118.	2.9	2
9	The Challenges of Using Organic Municipal Solid Waste as Source of Secondary Raw Materials. <i>Waste and Biomass Valorization</i> , 2020, 11, 435-446.	1.8	11
10	Continuous pretreatment, hydrolysis, and fermentation of organic residues for the production of biochemicals. <i>Bioresource Technology</i> , 2020, 295, 122256.	4.8	26
11	The effect of organic acids and alcohols on precipitation of phosphate using calcined seashell powder. <i>Chemical Papers</i> , 2020, 74, 1211-1217.	1.0	2
12	Estimation of the economy of heterotrophic microalgae- and insect-based food waste utilization processes. <i>Waste Management</i> , 2020, 102, 198-203.	3.7	35
13	Techniques to Control Microbial Contaminants in Nonsterile Microalgae Cultivation. <i>Applied Biochemistry and Biotechnology</i> , 2020, 192, 1376-1385.	1.4	14
14	Non-sterile fermentation of food waste with indigenous consortium and yeast – Effects on microbial community and product spectrum. <i>Bioresource Technology</i> , 2020, 306, 123175.	4.8	22
15	Food Waste and Manure. , 2020, , 899-938.		2
16	Is seashell powder suitable for phosphate recovery from fermentation broth?. <i>New Biotechnology</i> , 2019, 49, 43-47.	2.4	10
17	Techno-economic assessment of non-sterile batch and continuous production of lactic acid from food waste. <i>Bioresource Technology</i> , 2019, 289, 121631.	4.8	53
18	Assessment of upstream bioprocessing. <i>3 Biotech</i> , 2019, 9, 260.	1.1	1

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19	Recycling and reuse of food waste. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 13, 39-43.	3.2	27
20	From lignin to nylon: Cascaded chemical and biochemical conversion using metabolically engineered <i>Pseudomonas putida</i> . <i>Metabolic Engineering</i> , 2018, 47, 279-293.	3.6	225
21	Centralized and decentralized utilization of organic residues for lactic acid production. <i>Journal of Cleaner Production</i> , 2018, 172, 778-785.	4.6	29
22	Material Utilization of Organic Residues. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 733-745.	1.4	8
23	Utilization of organic residues using heterotrophic microalgae and insects. <i>Waste Management</i> , 2018, 72, 227-239.	3.7	38
24	Green Chemistry and Its Contribution to Industrial Biotechnology. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 173, 281-298.	0.6	8
25	Technical and economic assessment of food waste valorization through a biorefinery chain. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 38-48.	8.2	66
26	Separation of lactic acid and recovery of salt-ions from fermentation broth. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 504-511.	1.6	22
27	Utilization of food waste in continuous flow cultures of the heterotrophic microalga <i>Chlorella pyrenoidosa</i> for saturated and unsaturated fatty acids production. <i>Journal of Cleaner Production</i> , 2017, 142, 1417-1424.	4.6	49
28	Direct production of lactic acid based on simultaneous saccharification and fermentation of mixed restaurant food waste. <i>Journal of Cleaner Production</i> , 2017, 143, 615-623.	4.6	152
29	Autotrophic and heterotrophic microalgae and cyanobacteria cultivation for food and feed: life cycle assessment. <i>Bioresource Technology</i> , 2017, 245, 162-170.	4.8	197
30	Investigation of food waste valorization through sequential lactic acid fermentative production and anaerobic digestion of fermentation residues. <i>Bioresource Technology</i> , 2017, 241, 508-516.	4.8	85
31	Fermentative utilization of coffee mucilage using <i>Bacillus coagulans</i> and investigation of down-stream processing of fermentation broth for optically pure l(+)-lactic acid production. <i>Bioresource Technology</i> , 2016, 211, 398-405.	4.8	84
32	Fermentative lactic acid production from coffee pulp hydrolysate using <i>Bacillus coagulans</i> at laboratory and pilot scales. <i>Bioresource Technology</i> , 2016, 218, 167-173.	4.8	112
33	Utilization of protein-rich residues in biotechnological processes. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2133-2140.	1.7	34
34	Nitrosation and analysis of amino acid derivatives by isocratic HPLC. <i>RSC Advances</i> , 2016, 6, 13120-13128.	1.7	11
35	Valorization of organic residues for the production of added value chemicals: A contribution to the bio-based economy. <i>Biochemical Engineering Journal</i> , 2016, 116, 3-16.	1.8	84
36	Decentralized utilization of wasted organic material in urban areas: A case study in Hong Kong. <i>Ecological Engineering</i> , 2016, 86, 120-125.	1.6	17

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37	Adaptation of the brine shrimp <i>Artemia salina</i> (Branchiopoda:Anostraca) to filter-feeding: effects of body size and temperature on filtration and respiration rates. <i>Journal of Crustacean Biology</i> , 2015, 35, 650-658.	0.3	11
38	Fatty acid feedstock preparation and lactic acid production as integrated processes in mixed restaurant food and bakery wastes treatment. <i>Food Research International</i> , 2015, 73, 52-61.	2.9	57
39	Techno-economic analysis of a food waste valorization process via microalgae cultivation and co-production of plasticizer, lactic acid and animal feed from algal biomass and food waste. <i>Bioresource Technology</i> , 2015, 198, 292-299.	4.8	117
40	Plasticizer and Surfactant Formation from Food Waste and Algal Biomass Derived Lipids. <i>ChemSusChem</i> , 2015, 8, 1686-1691.	3.6	42
41	Fermentative Polyhydroxybutyrate Production from a Novel Feedstock Derived from Bakery Waste. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	38
42	Agricultural Residues as Feedstocks for Lactic Acid Fermentation. <i>ACS Symposium Series</i> , 2014, , 247-263.	0.5	10
43	Allometric equations for maximum filtration rate in blue mussels <i>Mytilus edulis</i> and importance of condition index. <i>Helgoland Marine Research</i> , 2014, 68, 193-198.	1.3	45
44	Valorization of industrial waste and by-product streams via fermentation for the production of chemicals and biopolymers. <i>Chemical Society Reviews</i> , 2014, 43, 2587.	18.7	437
45	Recycling of food waste as nutrients in <i>Chlorella vulgaris</i> cultivation. <i>Bioresource Technology</i> , 2014, 170, 144-151.	4.8	74
46	Fungal hydrolysis in submerged fermentation for food waste treatment and fermentation feedstock preparation. <i>Bioresource Technology</i> , 2014, 158, 48-54.	4.8	124
47	Food waste as nutrient source in heterotrophic microalgae cultivation. <i>Bioresource Technology</i> , 2013, 137, 139-146.	4.8	279
48	Growth of mussels <i>Mytilus edulis</i> at algal (<i>Rhodomonas salina</i>) concentrations below and above saturation levels for reduced filtration rate. <i>Marine Biology Research</i> , 2013, 9, 1005-1017.	0.3	56
49	Production of Fungal Glucoamylase for Glucose Production from Food Waste. <i>Biomolecules</i> , 2013, 3, 651-661.	1.8	39
50	Fluorometer Controlled Apparatus Designed for Long-Duration Algal-Feeding Experiments and Environmental Effect Studies with Mussels. <i>Journal of Marine Biology</i> , 2013, 2013, 1-12.	1.0	16
51	Biomass Composition of Blue Mussels, <i>Mytilus edulis</i> , is Affected by Living Site and Species of Ingested Microalgae. <i>ISRN Zoology</i> , 2012, 2012, 1-12.	0.5	18
52	Effects of phosphorous, nitrogen, and carbon limitation on biomass composition in batch and continuous flow cultures of the heterotrophic dinoflagellate <i>Cryptocodinium cohnii</i> . <i>Biotechnology and Bioengineering</i> , 2012, 109, 2005-2016.	1.7	59
53	Bioremediation of Chlorinated Pesticides in Field Contaminated Soils and Suitability of Tenax Solid Phase Extraction as a Predictor of Its Effectiveness. <i>Clean - Soil, Air, Water</i> , 2012, 40, 864-869.	0.7	7
54	Effect of Salinity on Growth of Mussels, <i>Mytilus edulis</i> , with Special Reference to Great Belt (Denmark). <i>Open Journal of Marine Science</i> , 2012, 02, 167-176.	0.3	49

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55	Quantification of Amino Acids in Fermentation Media by Isocratic HPLC Analysis of Their α -Hydroxy Acid Derivatives. <i>Analytical Chemistry</i> , 2011, 83, 175-181.	3.2	30
56	Anaerobic biodegradation of organochlorine pesticides in contaminated soil – Significance of temperature and availability. <i>Chemosphere</i> , 2010, 78, 22-28.	4.2	77
57	Bioremediation of chlorinated pesticide-contaminated soil using anaerobic sludges and surfactant addition. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2009, 45, 82-88.	0.7	10
58	Quantification and analysis of surface macroplastic contamination on arable areas. <i>Journal of Soils and Sediments</i> , 0, , 1.	1.5	4