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 industrial waste and by-product streams via fermentation for the production of chemicals and biopolymers. Chemical Society Reviews, 2014, 43, 2587.	18.7	437
2	Food waste as nutrient source in heterotrophic microalgae cultivation. Bioresource Technology, 2013, 137, 139-146.	4.8	279
3	From lignin to nylon: Cascaded chemical and biochemical conversion using metabolically engineered Pseudomonas putida. Metabolic Engineering, 2018, 47, 279-293.	3.6	225
4	Autotrophic and heterotrophic microalgae and cyanobacteria cultivation for food and feed: life cycle assessment. Bioresource Technology, 2017, 245, 162-170.	4.8	197
5	Direct production of lactic acid based on simultaneous saccharification and fermentation of mixed restaurant food waste. Journal of Cleaner Production, 2017, 143, 615-623.	4.6	152
6	Fungal hydrolysis in submerged fermentation for food waste treatment and fermentation feedstock preparation. Bioresource Technology, 2014, 158, 48-54.	4.8	124
7	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. Bioresource Technology, 2015, 198, 292-299.	4.8	117
8	Fermentative lactic acid production from coffee pulp hydrolysate using Bacillus coagulans at laboratory and pilot scales. Bioresource Technology, 2016, 218, 167-173.	4.8	112
9	Investigation of food waste valorization through sequential lactic acid fermentative production and anaerobic digestion of fermentation residues. Bioresource Technology, 2017, 241, 508-516.	4.8	85
10	Fermentative utilization of coffee mucilage using Bacillus coagulans and investigation of down-stream processing of fermentation broth for optically pure l(+)-lactic acid production. Bioresource Technology, 2016, 211, 398-405.	4.8	84
11	Valorization of organic residues for the production of added value chemicals: A contribution to the bio-based economy. Biochemical Engineering Journal, 2016, 116, 3-16.	1.8	84
12	Anaerobic biodegradation of organochlorine pesticides in contaminated soil â€“ Significance of temperature and availability. Chemosphere, 2010, 78, 22-28.	4.2	77
13	Recycling of food waste as nutrients in Chlorella vulgaris cultivation. Bioresource Technology, 2014, 170, 144-151.	4.8	74
14	Technical and economic assessment of food waste valorization through a biorefinery chain. Renewable and Sustainable Energy Reviews, 2018, 94, 38-48.	8.2	66
15	Effects of phosphorous, nitrogen, and carbon limitation on biomass composition in batch and continuous flow cultures of the heterotrophic dinoflagellate Crypthecodinium cohnii. Biotechnology and Bioengineering, 2012, 109, 2005-2016.	1.7	59
16	Fatty acid feedstock preparation and lactic acid production as integrated processes in mixed restaurant food and bakery wastes treatment. Food Research International, 2015, 73, 52-61.	2.9	57
17	Growth of mussels Mytilus edulis at algal (Rhodomonas salina) concentrations below and above saturation levels for reduced filtration rate. Marine Biology Research, 2013, 9, 1005-1017.	0.3	56
18	Techno-economic assessment of non-sterile batch and continuous production of lactic acid from food waste. Bioresource Technology, 2019, 289, 121631.	4.8	53

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19	Utilization of food waste in continuous flow cultures of the heterotrophic microalga Chlorella pyrenoidosa for saturated and unsaturated fatty acids production. Journal of Cleaner Production, 2017, 142, 1417-1424.	4.6	49
20	Effect of Salinity on Growth of Mussels, <i>Mytilus edulis</i>, with Special Reference to Great Belt (Denmark). Open Journal of Marine Science, 2012, 02, 167-176.	0.3	49
21	Allometric equations for maximum filtration rate in blue mussels Mytilus edulis and importance of condition index. Helgoland Marine Research, 2014, 68, 193-198.	1.3	45
22	Plasticizer and Surfactant Formation from Foodâ€Wasteâ€•and Algal Biomassâ€Derived Lipids. ChemSusChem, 2015, 8, 1686-1691.	3.6	42
23	Production of Fungal Glucoamylase for Glucose Production from Food Waste. Biomolecules, 2013, 3, 651-661.	1.8	39
24	Fermentative Polyhydroxybutyrate Production from a Novel Feedstock Derived from Bakery Waste. BioMed Research International, 2014, 2014, 1-8.	0.9	38
25	Utilization of organic residues using heterotrophic microalgae and insects. Waste Management, 2018, 72, 227-239.	3.7	38
26	Estimation of the economy of heterotrophic microalgae- and insect-based food waste utilization processes. Waste Management, 2020, 102, 198-203.	3.7	35
27	Utilization of protein-rich residues in biotechnological processes. Applied Microbiology and Biotechnology, 2016, 100, 2133-2140.	1.7	34
28	Quantification of Amino Acids in Fermentation Media by Isocratic HPLC Analysis of Their Î±-Hydroxy Acid Derivatives. Analytical Chemistry, 2011, 83, 175-181.	3.2	30
29	Centralized and decentralized utilization of organic residues for lactic acid production. Journal of Cleaner Production, 2018, 172, 778-785.	4.6	29
30	Recycling and reuse of food waste. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 39-43.	3.2	27
31	Continuous pretreatment, hydrolysis, and fermentation of organic residues for the production of biochemicals. Bioresource Technology, 2020, 295, 122256.	4.8	26
32	Separation of lactic acid and recovery of salt-ions from fermentation broth. Journal of Chemical Technology and Biotechnology, 2017, 92, 504-511.	1.6	22
33	Non-sterile fermentation of food waste with indigenous consortium and yeast â€“ Effects on microbial community and product spectrum. Bioresource Technology, 2020, 306, 123175.	4.8	22
34	Heterotrophic cultivation of Galdieria sulphuraria under non-sterile conditions in digestate and hydrolyzed straw. Bioresource Technology, 2021, 337, 125477.	4.8	20
35	Biomass Composition of Blue Mussels, Mytilus edulis, is Affected by Living Site and Species of Ingested Microalgae. ISRN Zoology, 2012, 2012, 1-12.	0.5	18
36	Decentralized utilization of wasted organic material in urban areas: A case study in Hong Kong. Ecological Engineering, 2016, 86, 120-125.	1.6	17

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37	Fluorometer Controlled Apparatus Designed for Long-Duration Algal-Feeding Experiments and Environmental Effect Studies with Mussels. Journal of Marine Biology, 2013, 2013, 1-12.	1.0	16
38	Techniques to Control Microbial Contaminants in Nonsterile Microalgae Cultivation. Applied Biochemistry and Biotechnology, 2020, 192, 1376-1385.	1.4	14
39	Adaptation of the brine shrimp Artemia salina(Branchiopoda:ÂAnostraca) to filter-feeding: effects of bodyÂsizeÂandÂtemperatureÂon filtration and respiration rates. Journal of Crustacean Biology, 2015, 35, 650-658.	0.3	11
40	Nitrosation and analysis of amino acid derivatives by isocratic HPLC. RSC Advances, 2016, 6, 13120-13128.	1.7	11
41	The Challenges of Using Organic Municipal Solid Waste as Source of Secondary Raw Materials. Waste and Biomass Valorization, 2020, 11, 435-446.	1.8	11
42	Removal of Phenolic Compounds from Olive Mill Wastewater by Microalgae Grown Under Dark and Light Conditions. Waste and Biomass Valorization, 2022, 13, 525-534.	1.8	11
43	Life cycle assessment of hetero- and phototrophic as well as combined cultivations of Galdieria sulphuraria. Bioresource Technology, 2021, 335, 125227.	4.8	11
44	Bioremediation of chlorinated pesticideâ€“contaminated soil using anaerobic sludges and surfactant addition. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2009, 45, 82-88.	0.7	10
45	Agricultural Residues as Feedstocks for Lactic Acid Fermentation. ACS Symposium Series, 2014, , 247-263.	0.5	10
46	Is seashell powder suitable for phosphate recovery from fermentation broth?. New Biotechnology, 2019, 49, 43-47.	2.4	10
47	An automated, modular system for organic waste utilization using heterotrophic alga Galdieria sulphuraria: Design considerations and sustainability. Bioresource Technology, 2022, 348, 126800.	4.8	10
48	Material Utilization of Organic Residues. Applied Biochemistry and Biotechnology, 2018, 184, 733-745.	1.4	8
49	Green Chemistry and Its Contribution to Industrial Biotechnology. Advances in Biochemical Engineering/Biotechnology, 2018, 173, 281-298.	0.6	8
50	Cultivation of the heterotrophic microalga Galdieria sulphuraria on food waste: A Life Cycle Assessment. Bioresource Technology, 2021, 340, 125637.	4.8	8
51	Bioremediation of Chlorinated Pesticides in Fieldâ€Contaminated Soils and Suitability of Tenax Solidâ€Phase Extraction as a Predictor of Its Effectiveness. Clean - Soil, Air, Water, 2012, 40, 864-869.	0.7	7
52	Kinetic and Stoichiometric Modeling-Based Analysis of Docosahexaenoic Acid (DHA) Production Potential by Crypthecodinium cohnii from Glycerol, Glucose and Ethanol. Marine Drugs, 2022, 20, 115.	2.2	6
53	Valorization of landscape management grass. Biomass Conversion and Biorefinery, 2024, 14, 2889-2905.	2.9	5
54	Quantification and analysis of surface macroplastic contamination on arable areas. Journal of Soils and Sediments, 0, , 1.	1.5	4

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55	The effect of organic acids and alcohols on precipitation of phosphate using calcined seashell powder. Chemical Papers, 2020, 74, 1211-1217.	1.0	2
56	An integrated, modular biorefinery for the treatment of food waste in urban areas. Case Studies in Chemical and Environmental Engineering, 2021, 4, 100118.	2.9	2
57	Food Waste and Manure. , 2020, , 899-938.		2
58	Assessment of upstream bioprocessing. 3 Biotech, 2019, 9, 260.	1.1	1