Christian Larroche

List of Publications by Year
in descending order

51 papers	2,613 citations	257450 24 h-index	189892 50 g-index
51 all docs	51 docs citations	51 times ranked	3125 citing authors

#	Article	IF	Citations
1	New Continuous Process for the Production of Lipopeptide Biosurfactants in Foam Overflowing Bioreactor. Frontiers in Bioengineering and Biotechnology, 2021, 9, 678469.	4.1	13
2	Efficiency of transporter genes and proteins in hyperaccumulator plants for metals tolerance in wastewater treatment: Sustainable technique for metal detoxification. Environmental Technology and Innovation, 2021, 23, 101725.	6.1	32
3	Development of short chain fatty acid-based artificial neuron network tools applied to biohydrogen production. International Journal of Hydrogen Energy, 2020, 45, 5175-5181.	7.1	25
4	Valorization of cashew nut processing residues for industrial applications. Industrial Crops and Products, 2020, 152, 112550.	5.2	65
5	Optimization of limonene biotransformation for the production of bulk amounts of Î±-terpineol. Bioresource Technology, 2019, 294, 122180.	9.6	37
6	Biotechnological applications of inulin-rich feedstocks. Bioresource Technology, 2019, 273, 641-653.	9.6	77
7	Biocatalytic strategies for the production of high fructose syrup from inulin. Bioresource Technology, 2018, 260, 395-403.	9.6	58
8	Screening and bioprospecting of anaerobic consortia for biohydrogen and volatile fatty acid production in a vinasse based medium through dark fermentation. Process Biochemistry, 2018, 67, 1-7.	3.7	38
9	Cloning and Characterization of the Gene Encoding Alpha-Pinene Oxide Lyase Enzyme (PrÎ±-POL) from Pseudomonas rhodesiae CIP 107491 and Production of the Recombinant Protein in Escherichia coli. Applied Biochemistry and Biotechnology, 2018, 185, 676-690.	2.9	1
10	Proof of concept for biorefinery approach aiming at two bioenergy production compartments, hydrogen and biodiesel, coupled by an external membrane. Biofuels, 2018, 9, 163-174.	2.4	18
11	Algal Green Energy â€“ R&D and technological perspectives for biodiesel production. Renewable and Sustainable Energy Reviews, 2018, 82, 2946-2969.	16.4	121
12	Purification and characterization of two isoforms of exoinulinase from Penicillium oxalicum BGPUP-4 for the preparation of high fructose syrup from inulin. International Journal of Biological Macromolecules, 2018, 118, 1974-1983.	7.5	23
13	Bioconversion of chicken feathers by Bacillus aerius NSMk2: A potential approach in poultry waste management. Bioresource Technology Reports, 2018, 3, 224-230.	2.7	32
14	Solid-State Fermentation of Carrot Pomace for the Production of Inulinase by Penicillium oxalicum BGPUP-4. Food Technology and Biotechnology, 2018, 56, .	2.1	21
15	Solid-State Fermentation of Carrot Pomace for the Production of Inulinase by BGPUP-4. Food Technology and Biotechnology, 2018, 56, 31-39.	2.1	2
16	Nanobiocatalysis for the Synthesis of Pentyl Valerate in Organic Solvents: Characterization, Optimization and Reusability Studies. Current Biotechnology, 2018, 7, 105-114.	0.4	2
17	Mixing and liquid-to-gas mass transfer under digester operating conditions. Chemical Engineering Science, 2017, 170, 606-627.	3.8	31
18	High hydrogen production rate in a submerged membrane anaerobic bioreactor. International Journal of Hydrogen Energy, 2017, 42, 24656-24666.	7.1	35

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19	Experimental and numerical investigation of hydrodynamics and mixing in a dual-impeller mechanically-stirred digester. Chemical Engineering Journal, 2017, 329, 142-155.	12.7	22
20	Multiscale mixing analysis and modeling of biohydrogen production by dark fermentation. Renewable Energy, 2016, 98, 264-282.	8.9	55
21	Validation of a predictive model for fed-batch and continuous lipids production processes from acetic acid using the oleaginous yeast Cryptococcus curvatus. Biochemical Engineering Journal, 2016, 111, 117-128.	3.6	24
22	Microbial lipids as potential source to food supplements. Current Opinion in Food Science, 2016, 7, 35-42.	8.0	86
23	Modeling of hydrodynamics and mixing in a submerged membrane bioreactor. Chemical Engineering Journal, 2015, 282, 77-90.	12.7	39
24	Current perspectives in enzymatic saccharification of lignocellulosic biomass. Biochemical Engineering Journal, 2015, 102, 38-44.	3.6	113
25	Development of a submerged anaerobic membrane bioreactor for concurrent extraction of volatile fatty acids and biohydrogen production. Bioresource Technology, 2015, 196, 290-300.	9.6	52
26	Economic process to produce biohydrogen and volatile fatty acids by a mixed culture using vinasse from sugarcane ethanol industry as nutrient source. Bioresource Technology, 2014, 159, 380-386.	9.6	98
27	Current developments in solid-state fermentation. Biochemical Engineering Journal, 2013, 81, 146-161.	3.6	428
28	Comprehensive Study and Modeling of Acetic Acid Effect on Trichoderma reesei Growth. Industrial Biotechnology, 2013, 9, 132-138.	0.8	7
29	Recent developments in microbial oils production: a possible alternative to vegetable oils for biodiesel without competition with human food?. Brazilian Archives of Biology and Technology, 2012, 55, 29-46.	0.5	84
30	Immersed membrane bioreactors: An overview with special emphasis on anaerobic bioprocesses. Bioresource Technology, 2012, 122, 171-180.	9.6	39
31	A bioprocess for the production of high concentrations of R-(+)-Î±-terpineol from R-(+)-limonene. Process Biochemistry, 2010, 45, 481-486.	3.7	55
32	Advancement and comparative profiles in the production technologies using solid-state and submerged fermentation for microbial cellulases. Enzyme and Microbial Technology, 2010, 46, 541-549.	3.2	474
33	Exploration of Î±-pinene degradation pathway of Pseudomonas rhodesiae CIP 107491. Application to novalic acid production in a bioreactor. Food Research International, 2009, 42, 461-469.	6.2	15
34	Exploration of fungal spores as a possible storehouse of proteolytic biocatalysts. World Journal of Microbiology and Biotechnology, 2008, 24, 2897-2901.	3.6	1
35	BTX Removal from Polluted Water Through Bioleaching Processes. Applied Biochemistry and Biotechnology, 2008, 151, 295-306.	2.9	14
36	Fed-batch Production of Gluconic Acid by Terpene-treated Aspergillus niger Spores. Applied Biochemistry and Biotechnology, 2008, 151, 413-423.	2.9	8

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37	Monoaromatics removal from polluted water through bioreactorsâ€"A review. Water Research, 2008, 42, 1325-1341.	11.3	119
38	Evidence for the occurrence of an oxygen limitation during soil bioremediation by solid-state fermentation. Biochemical Engineering Journal, 2003, 13, 103-112.	3.6	21
39	Phase transfer and biocatalyst behaviour during biotransformation of Î²-ionone in a two-phase liquid system by immobilised Aspergillus niger. Biochemical Engineering Journal, 2001, 7, 27-34.	3.6	14
40	Determination of the Reaction Yield during Biotransformation of the Volatile and Chemically Unstable Compound Î²-Ionone by Aspergillus niger. Biotechnology Progress, 1999, 15, 697-705.	2.6	17
41	A gas phase chromatography method for determination of low dissolved CO2 concentration and/or CO2 solubility in microbial culture media. Biotechnology Letters, 1995, 9, 787-792.	0.5	4
42	Characterization of water distribution in cell pellets using nonlabeled sodium thiosulfate as an interstitial space marker. Biotechnology Progress, 1993, 9, 214-217.	2.6	7
43	Bioconversion of fatty acids into methyl ketones by spores of Penicillium roquefortii in a water-organic solvent, two-phase system. Enzyme and Microbial Technology, 1992, 14, 669-678.	3.2	41
44	Characterization of the behavior of penicillium roquefortii in solid state cultivation on support by material balances. Journal of Bioscience and Bioengineering, 1992, 74, 305-311.	0.9	4
45	A fed-batch technique for 2-heptanone production by spores of Penicillium roquefortii. Applied Microbiology and Biotechnology, 1990, 34, 20.	3.6	15
46	Batch and continuous 2-heptanone production by Ca-alginate/Eudragit RL entrapped spores ofPenicillium roquefortii. Biotechnology and Bioengineering, 1989, 34, 30-38.	3.3	24
47	Methyl-ketone production by Ca-alginate/Eudragit RL entrapped spores of Penicillium roqueforti. Enzyme and Microbial Technology, 1989, 11, 106-112.	3.2	21
48	Aroma production by spores ofPenicillium roqueforti on a synthetic medium. Journal of Industrial Microbiology, 1988, 3, 1-8.	0.9	28
49	Optimization of the spore production of Penicillium roqueforti in solid substrate fermentation on buckwheat seeds. Applied Microbiology and Biotechnology, 1988, 28, 85.	3.6	17
50	Spore production ofPenicillium roqueforti by solid state fermentation: Stoichiometry, growth and sporulation behavior. Biotechnology and Bioengineering, 1987, 29, 1050-1058.	3.3	24
51	Spore production of Penicillium roqueforti in fermentors filled with buckwheat seeds: batch and semi-continuous cultivation. Applied Microbiology and Biotechnology, 1986, 24, 134-139.	3.6	12