

# Christian Larroche

## List of Publications by Year in descending order

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51  
papers

2,613  
citations

257357

24  
h-index

189801

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. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 678469.	2.0	13
2	Efficiency of transporter genes and proteins in hyperaccumulator plants for metals tolerance in wastewater treatment: Sustainable technique for metal detoxification. <i>Environmental Technology and Innovation</i> , 2021, 23, 101725.	3.0	32
3	Development of short chain fatty acid-based artificial neuron network tools applied to biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5175-5181.	3.8	25
4	Valorization of cashew nut processing residues for industrial applications. <i>Industrial Crops and Products</i> , 2020, 152, 112550.	2.5	65
5	Optimization of limonene biotransformation for the production of bulk amounts of $\beta$ -terpineol. <i>Bioresource Technology</i> , 2019, 294, 122180.	4.8	37
6	Biotechnological applications of inulin-rich feedstocks. <i>Bioresource Technology</i> , 2019, 273, 641-653.	4.8	77
7	Biocatalytic strategies for the production of high fructose syrup from inulin. <i>Bioresource Technology</i> , 2018, 260, 395-403.	4.8	58
8	Screening and bioprospecting of anaerobic consortia for biohydrogen and volatile fatty acid production in a vinasse based medium through dark fermentation. <i>Process Biochemistry</i> , 2018, 67, 1-7.	1.8	38
9	Cloning and Characterization of the Gene Encoding Alpha-Pinene Oxide Lyase Enzyme ( $\alpha$ -POL) from <i>Pseudomonas rhodesiae</i> CIP 107491 and Production of the Recombinant Protein in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 676-690.	1.4	1
10	Proof of concept for biorefinery approach aiming at two bioenergy production compartments, hydrogen and biodiesel, coupled by an external membrane. <i>Biofuels</i> , 2018, 9, 163-174.	1.4	18
11	Algal Green Energy “R&D and technological perspectives for biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2946-2969.	8.2	121
12	Purification and characterization of two isoforms of exoinulinase from <i>Penicillium oxalicum</i> BGPUP-4 for the preparation of high fructose syrup from inulin. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1974-1983.	3.6	23
13	Bioconversion of chicken feathers by <i>Bacillus aerius</i> NSMk2: A potential approach in poultry waste management. <i>Bioresource Technology Reports</i> , 2018, 3, 224-230.	1.5	32
14	Solid-State Fermentation of Carrot Pomace for the Production of Inulinase by <i>Penicillium oxalicum</i> BGPUP-4. <i>Food Technology and Biotechnology</i> , 2018, 56, .	0.9	21
15	Solid-State Fermentation of Carrot Pomace for the Production of Inulinase by BGPUP-4. <i>Food Technology and Biotechnology</i> , 2018, 56, 31-39.	0.9	2
16	Nanobiocatalysis for the Synthesis of Pentyl Valerate in Organic Solvents: Characterization, Optimization and Reusability Studies. <i>Current Biotechnology</i> , 2018, 7, 105-114.	0.2	2
17	Mixing and liquid-to-gas mass transfer under digester operating conditions. <i>Chemical Engineering Science</i> , 2017, 170, 606-627.	1.9	31
18	High hydrogen production rate in a submerged membrane anaerobic bioreactor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24656-24666.	3.8	35

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19	Experimental and numerical investigation of hydrodynamics and mixing in a dual-impeller mechanically-stirred digester. <i>Chemical Engineering Journal</i> , 2017, 329, 142-155.	6.6	22
20	Multiscale mixing analysis and modeling of biohydrogen production by dark fermentation. <i>Renewable Energy</i> , 2016, 98, 264-282.	4.3	55
21	Validation of a predictive model for fed-batch and continuous lipids production processes from acetic acid using the oleaginous yeast <i>Cryptococcus curvatus</i> . <i>Biochemical Engineering Journal</i> , 2016, 111, 117-128.	1.8	24
22	Microbial lipids as potential source to food supplements. <i>Current Opinion in Food Science</i> , 2016, 7, 35-42.	4.1	86
23	Modeling of hydrodynamics and mixing in a submerged membrane bioreactor. <i>Chemical Engineering Journal</i> , 2015, 282, 77-90.	6.6	39
24	Current perspectives in enzymatic saccharification of lignocellulosic biomass. <i>Biochemical Engineering Journal</i> , 2015, 102, 38-44.	1.8	113
25	Development of a submerged anaerobic membrane bioreactor for concurrent extraction of volatile fatty acids and biohydrogen production. <i>Bioresource Technology</i> , 2015, 196, 290-300.	4.8	52
26	Economic process to produce biohydrogen and volatile fatty acids by a mixed culture using vinasse from sugarcane ethanol industry as nutrient source. <i>Bioresource Technology</i> , 2014, 159, 380-386.	4.8	98
27	Current developments in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2013, 81, 146-161.	1.8	428
28	Comprehensive Study and Modeling of Acetic Acid Effect on <i>Trichoderma reesei</i> Growth. <i>Industrial Biotechnology</i> , 2013, 9, 132-138.	0.5	7
29	Recent developments in microbial oils production: a possible alternative to vegetable oils for biodiesel without competition with human food?. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 29-46.	0.5	84
30	Immersed membrane bioreactors: An overview with special emphasis on anaerobic bioprocesses. <i>Bioresource Technology</i> , 2012, 122, 171-180.	4.8	39
31	A bioprocess for the production of high concentrations of R-(+)- $\alpha$ -terpineol from R-(+)-limonene. <i>Process Biochemistry</i> , 2010, 45, 481-486.	1.8	55
32	Advancement and comparative profiles in the production technologies using solid-state and submerged fermentation for microbial cellulases. <i>Enzyme and Microbial Technology</i> , 2010, 46, 541-549.	1.6	474
33	Exploration of $\alpha$ -pinene degradation pathway of <i>Pseudomonas rhodesiae</i> CIP 107491. Application to novalic acid production in a bioreactor. <i>Food Research International</i> , 2009, 42, 461-469.	2.9	15
34	Exploration of fungal spores as a possible storehouse of proteolytic biocatalysts. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 2897-2901.	1.7	1
35	BTX Removal from Polluted Water Through Bioleaching Processes. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 295-306.	1.4	14
36	Fed-batch Production of Gluconic Acid by Terpene-treated <i>Aspergillus niger</i> Spores. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 413-423.	1.4	8

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37	Monoaromatics removal from polluted water through bioreactors – A review. <i>Water Research</i> , 2008, 42, 1325-1341.	5.3	119
38	Evidence for the occurrence of an oxygen limitation during soil bioremediation by solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2003, 13, 103-112.	1.8	21
39	Phase transfer and biocatalyst behaviour during biotransformation of Î²-ionone in a two-phase liquid system by immobilised <i>Aspergillus niger</i> . <i>Biochemical Engineering Journal</i> , 2001, 7, 27-34.	1.8	14
40	Determination of the Reaction Yield during Biotransformation of the Volatile and Chemically Unstable Compound Î²-Ionone by <i>Aspergillus niger</i> . <i>Biotechnology Progress</i> , 1999, 15, 697-705.	1.3	17
41	A gas phase chromatography method for determination of low dissolved CO <sub>2</sub> concentration and/or CO <sub>2</sub> solubility in microbial culture media. <i>Biotechnology Letters</i> , 1995, 9, 787-792.	0.5	4
42	Characterization of water distribution in cell pellets using nonlabeled sodium thiosulfate as an interstitial space marker. <i>Biotechnology Progress</i> , 1993, 9, 214-217.	1.3	7
43	Bioconversion of fatty acids into methyl ketones by spores of <i>Penicillium roquefortii</i> in a water-organic solvent, two-phase system. <i>Enzyme and Microbial Technology</i> , 1992, 14, 669-678.	1.6	41
44	Characterization of the behavior of <i>penicillium roquefortii</i> in solid state cultivation on support by material balances. <i>Journal of Bioscience and Bioengineering</i> , 1992, 74, 305-311.	0.9	4
45	A fed-batch technique for 2-heptanone production by spores of <i>Penicillium roquefortii</i> . <i>Applied Microbiology and Biotechnology</i> , 1990, 34, 20.	1.7	15
46	Batch and continuous 2-heptanone production by Ca-alginate/Eudragit RL entrapped spores of <i>Penicillium roquefortii</i> . <i>Biotechnology and Bioengineering</i> , 1989, 34, 30-38.	1.7	24
47	Methyl-ketone production by Ca-alginate/Eudragit RL entrapped spores of <i>Penicillium roquefortii</i> . <i>Enzyme and Microbial Technology</i> , 1989, 11, 106-112.	1.6	21
48	Aroma production by spores of <i>Penicillium roquefortii</i> on a synthetic medium. <i>Journal of Industrial Microbiology</i> , 1988, 3, 1-8.	0.9	28
49	Optimization of the spore production of <i>Penicillium roquefortii</i> in solid substrate fermentation on buckwheat seeds. <i>Applied Microbiology and Biotechnology</i> , 1988, 28, 85.	1.7	17
50	Spore production of <i>Penicillium roquefortii</i> by solid state fermentation: Stoichiometry, growth and sporulation behavior. <i>Biotechnology and Bioengineering</i> , 1987, 29, 1050-1058.	1.7	24
51	Spore production of <i>Penicillium roquefortii</i> in fermentors filled with buckwheat seeds: batch and semi-continuous cultivation. <i>Applied Microbiology and Biotechnology</i> , 1986, 24, 134-139.	1.7	12