Jorge Costa

List of Publications by Year in descending order

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267	9,665	41258	58464
papers	citations	49 h-index	82 g-index

274	274	274	7358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biofixation of carbon dioxide by Spirulina sp. and Scenedesmus obliquus cultivated in a three-stage serial tubular photobioreactor. Journal of Biotechnology, 2007, 129, 439-445.	1.9	480
2	Isolation and selection of microalgae from coal fired thermoelectric power plant for biofixation of carbon dioxide. Energy Conversion and Management, 2007, 48, 2169-2173.	4.4	287
3	Carbon dioxide fixation by Chlorella kessleri, C. vulgaris, Scenedesmus obliquus and Spirulina sp. cultivated in flasks and vertical tubular photobioreactors. Biotechnology Letters, 2007, 29, 1349-1352.	1.1	253
4	Biologically Active Metabolites Synthesized by Microalgae. BioMed Research International, 2015, 2015, 1-15.	0.9	250
5	Production of biomass and nutraceutical compounds by Spirulina platensis under different temperature and nitrogen regimes. Bioresource Technology, 2007, 98, 1489-1493.	4.8	234
6	The role of biochemical engineering in the production of biofuels from microalgae. Bioresource Technology, 2011, 102, 2-9.	4.8	234
7	Microalgae as a new source of bioactive compounds in food supplements. Current Opinion in Food Science, 2016, 7, 73-77.	4.1	214
8	Optimization of phycocyanin extraction from Spirulina platensis using factorial design. Bioresource Technology, 2007, 98, 1629-1634.	4.8	197
9	Mixotrophic cultivation of microalga Spirulina platensis using molasses as organic substrate. Aquaculture, 2007, 264, 130-134.	1.7	177
10	Spirulina for snack enrichment: Nutritional, physical and sensory evaluations. LWT - Food Science and Technology, 2018, 90, 270-276.	2.5	157
11	Modelling of Spirulina platensis growth in fresh water using response surface methodology. World Journal of Microbiology and Biotechnology, 2002, 18, 603-607.	1.7	140
12	Microalgae as source of polyhydroxyalkanoates (PHAs) â€" A review. International Journal of Biological Macromolecules, 2019, 131, 536-547.	3.6	127
13	Chemical absorption and CO2 biofixation via the cultivation of Spirulina in semicontinuous mode with nutrient recycle. Bioresource Technology, 2015, 192, 321-327.	4.8	119
14	Optimization of the repeated batch cultivation of microalga Spirulina platensis in open raceway ponds. Aquaculture, 2007, 265, 118-126.	1.7	116
15	Operational and economic aspects of Spirulina-based biorefinery. Bioresource Technology, 2019, 292, 121946.	4.8	111
16	Thermal degradation kinetics of the phycocyanin from Spirulina platensis. Biochemical Engineering Journal, 2008, 41, 43-47.	1.8	109
17	Improving Spirulina platensis biomass yield using a fed-batch process. Bioresource Technology, 2004, 92, 237-241.	4.8	108
18	Simultaneous production of lipases and biosurfactants by submerged and solid-state bioprocesses. Bioresource Technology, 2010, 101, 8308-8314.	4.8	107

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19	Influence of nitrogen on growth, biomass composition, production, and properties of polyhydroxyalkanoates (PHAs) by microalgae. International Journal of Biological Macromolecules, 2018, 116, 552-562.	3.6	101
20	Isolation and application of SOX and NOX resistant microalgae in biofixation of CO2 from thermoelectricity plants. Energy Conversion and Management, 2011, 52, 3132-3136.	4.4	98
21	Utilization of simulated flue gas containing CO2, SO2, NO and ash for Chlorella fusca cultivation. Bioresource Technology, 2016, 214, 159-165.	4.8	96
22	Biological CO2 mitigation from coal power plant by Chlorella fusca and Spirulina sp.. Bioresource Technology, 2017, 234, 472-475.	4.8	88
23	Ultrafine fibers of zein and anthocyanins as natural pH indicator. Journal of the Science of Food and Agriculture, 2018, 98, 2735-2741.	1.7	88
24	Pilot scale semicontinuous production of Spirulina biomass in southern Brazil. Aquaculture, 2009, 294, 60-64.	1.7	87
25	Development of electrospun nanofibers containing chitosan/PEO blend and phenolic compounds with antibacterial activity. International Journal of Biological Macromolecules, 2018, 117, 800-806.	3.6	87
26	Modelling of growth conditions for cyanobacterium Spirulina platensis in microcosms. World Journal of Microbiology and Biotechnology, 2000, 16, 15-18.	1.7	85
27	Potential of microalgae as biopesticides to contribute to sustainable agriculture and environmental development. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 366-375.	0.7	84
28	Growth stimulation and synthesis of lipids, pigments and antioxidants with magnetic fields in Chlorella kessleri cultivations. Bioresource Technology, 2017, 244, 1425-1432.	4.8	83
29	Spirulina cultivated under different light emitting diodes: Enhanced cell growth and phycocyanin production. Bioresource Technology, 2018, 256, 38-43.	4.8	81
30	Fatty Acids Profile of Spirulina platensis Grown Under Different Temperatures and Nitrogen Concentrations. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 55-59.	0.6	80
31	Preparation of nanofibers containing the microalga Spirulina (Arthrospira). Bioresource Technology, 2010, 101, 2872-2876.	4.8	80
32	Increase in the carbohydrate content of the microalgae Spirulina in culture by nutrient starvation and the addition of residues of whey protein concentrate. Bioresource Technology, 2016, 209, 133-141.	4.8	79
33	Surface response methodology for the optimization of lipase production under submerged fermentation by filamentous fungi. Brazilian Journal of Microbiology, 2016, 47, 461-467.	0.8	78
34	Isolation and Characterization of a New Arthrospira Strain. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2008, 63, 144-150.	0.6	77
35	Phycocyanin from Microalgae: Properties, Extraction and Purification, with Some Recent Applications. Industrial Biotechnology, 2018, 14, 30-37.	0.5	73
36	Protein and carbohydrate extraction from S. platensis biomass by ultrasound and mechanical agitation. Food Research International, 2017, 99, 1028-1035.	2.9	72

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37	Spirulina platensis effects on the levels of total cholesterol, HDL and triacylglycerols in rabbits fed with a hypercholesterolemic diet. Brazilian Archives of Biology and Technology, 2008, 51, 405-411.	0.5	71
38	Kinetic studies on the biosorption of phenol by nanoparticles from Spirulina sp. LEB 18. Journal of Environmental Chemical Engineering, 2013, 1, 1137-1143.	3.3	68
39	Microalgae starch: A promising raw material for the bioethanol production. International Journal of Biological Macromolecules, 2020, 165, 2739-2749.	3.6	68
40	Biological Applications of Nanobiotechnology. Journal of Nanoscience and Nanotechnology, 2014, 14, 1007-1017.	0.9	66
41	Outdoor pilot-scale cultivation of Spirulina sp. LEB-18 in different geographic locations for evaluating its growth and chemical composition. Bioresource Technology, 2018, 256, 86-94.	4.8	66
42	Development of pH indicator from PLA/PEO ultrafine fibers containing pigment of microalgae origin. International Journal of Biological Macromolecules, 2018, 118, 1855-1862.	3.6	61
43	Magnetic fields as triggers of microalga growth: evaluation of its effect on Spirulina sp.. Bioresource Technology, 2016, 220, 62-67.	4.8	59
44	Development of powdered food with the addition of Spirulina for food supplementation of the elderly population. Innovative Food Science and Emerging Technologies, 2016, 37, 216-220.	2.7	59
45	Spirulina cultivation with a CO2 absorbent: Influence on growth parameters and macromolecule production. Bioresource Technology, 2016, 200, 528-534.	4.8	59
46	Innovative polyhydroxybutyrate production by Chlorella fusca grown with pentoses. Bioresource Technology, 2018, 265, 456-463.	4.8	56
47	Progress in the physicochemical treatment of microalgae biomass for value-added product recovery. Bioresource Technology, 2020, 301, 122727.	4.8	55
48	Antioxidant ultrafine fibers developed with microalga compounds using a free surface electrospinning. Food Hydrocolloids, 2019, 93, 131-136.	5.6	53
49	Different nitrogen sources and growth responses of Spirulina platensis in microenvironments. World Journal of Microbiology and Biotechnology, 2001, 17, 439-442.	1.7	51
50	Production and Characterization of Lipases by Two New Isolates ofAspergillusthrough Solid-State and Submerged Fermentation. BioMed Research International, 2015, 2015, 1-9.	0.9	51
51	Pentoses and light intensity increase the growth and carbohydrate production and alter the protein profile of Chlorella minutissima. Bioresource Technology, 2017, 238, 248-253.	4.8	51
52	Use of static magnetic fields to increase CO2 biofixation by the microalga Chlorella fusca. Bioresource Technology, 2019, 276, 103-109.	4.8	51
53	A New Biomaterial of Nanofibers with the Microalga <I>Spirulinaas</I> Scaffolds to Cultivate with Stem Cells for Use in Tissue Engineering. Journal of Biomedical Nanotechnology, 2013, 9, 710-718.	0.5	50
54	Microalgal biorefinery from CO2 and the effects under the Blue Economy. Renewable and Sustainable Energy Reviews, 2019, 99, 58-65.	8.2	50

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55	Spirulina sp. LEB 18 cultivation in outdoor pilot scale using aquaculture wastewater: High biomass, carotenoid, lipid and carbohydrate production. Aquaculture, 2020, 525, 735272.	1.7	50
56	Magnetic field action on outdoor and indoor cultures of Spirulina: Evaluation of growth, medium consumption and protein profile. Bioresource Technology, 2018, 249, 168-174.	4.8	49
57	Cultivation of microalgae Spirulina platensis (Arthrospira platensis) from biological treatment of swine wastewater. Food Science and Technology, 2010, 30, 173-178.	0.8	48
58	Innovative pH sensors developed from ultrafine fibers containing aÃ§aÃ-(Euterpe oleracea) extract. Food Chemistry, 2019, 294, 397-404.	4.2	48
59	Antioxidant properties of Spirulina (Arthospira) platensis cultivated under different temperatures and nitrogen regimes. Brazilian Archives of Biology and Technology, 2007, 50, 161-167.	0.5	47
60	Static magnetic fields in culture of Chlorella fusca: Bioeffects on growth and biomass composition. Process Biochemistry, 2016, 51, 912-916.	1.8	47
61	Innovative nanofiber technology to improve carbon dioxide biofixation in microalgae cultivation. Bioresource Technology, 2019, 273, 592-598.	4.8	46
62	Cultivation strategy to stimulate high carbohydrate content in Spirulina biomass. Bioresource Technology, 2018, 269, 221-226.	4.8	45
63	Microalgae Polysaccharides: An Overview of Production, Characterization, and Potential Applications. Polysaccharides, 2021, 2, 759-772.	2.1	45
64	Biological Effects ofSpirulina(Arthrospira) Biopolymers and Biomass in the Development of Nanostructured Scaffolds. BioMed Research International, 2014, 2014, 1-9.	0.9	44
65	Development of a new nanofiber scaffold for use with stem cells in a third degree burn animal model. Burns, 2014, 40, 1650-1660.	1.1	44
66	Polyhydroxybutyrate and phenolic compounds microalgae electrospun nanofibers: A novel nanomaterial with antibacterial activity. International Journal of Biological Macromolecules, 2018, 113, 1008-1014.	3.6	43
67	Spirulina platensis Growth in Open Raceway Ponds Using Fresh Water Supplemented with Carbon, Nitrogen and Metal Ions. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2003, 58, 76-80.	0.6	42
68	CO2 conversion by the integration of biological and chemical methods: Spirulina sp. LEB 18 cultivation with diethanolamine and potassium carbonate addition. Bioresource Technology, 2018, 267, 77-83.	4.8	42
69	High protein ingredients of microalgal origin: Obtainment and functional properties. Innovative Food Science and Emerging Technologies, 2018, 47, 187-194.	2.7	41
70	Development of a colorimetric pH indicator using nanofibers containing Spirulina sp. LEB 18. Food Chemistry, 2020, 328, 126768.	4.2	41
71	Extraction and purification of C-phycocyanin from Spirulina platensis in conventional and integrated aqueous two-phase systems. Journal of the Brazilian Chemical Society, 2010, 21, 921-926.	0.6	40
72	Carbon dioxide fixation by microalgae cultivated in open bioreactors. Energy Conversion and Management, 2011, 52, 3071-3073.	4.4	40

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73	CO2 Biofixation by the Cyanobacterium Spirulina sp. LEB 18 and the Green Alga Chlorella fusca LEB 111 Grown Using Gas Effluents and Solid Residues of Thermoelectric Origin. Applied Biochemistry and Biotechnology, 2016, 178, 418-429.	1.4	40
74	A novel nanocomposite for food packaging developed by electrospinning and electrospraying. Food Packaging and Shelf Life, 2019, 20, 100314.	3.3	40
75	Improvement of Thermal Stability of C-Phycocyanin by Nanofiber and Preservative Agents. Journal of Food Processing and Preservation, 2016, 40, 1264-1269.	0.9	39
76	Assessment of the encapsulation effect of phenolic compounds from Spirulina sp. LEB-18 on their antifusarium activities. Food Chemistry, 2016, 211, 616-623.	4.2	39
77	Microalgal biotechnology for greenhouse gas control: Carbon dioxide fixation by Spirulina sp. at different diffusers. Ecological Engineering, 2016, 91, 426-431.	1.6	39
78	Spirulina sp. LEB-18 culture using effluent from the anaerobic digestion. Brazilian Journal of Chemical Engineering, 2013, 30, 277-288.	0.7	38
79	Recent Advances and Future Perspectives of PHB Production by Cyanobacteria. Industrial Biotechnology, 2018, 14, 249-256.	0.5	37
80	Spirulina sp. LEB 18 cultivation in a raceway-type bioreactor using wastewater from desalination process: Production of carbohydrate-rich biomass. Bioresource Technology, 2020, 311, 123495.	4.8	37
81	Microalgae Polysaccharides: An Alternative Source for Food Production and Sustainable Agriculture. Polysaccharides, 2022, 3, 441-457.	2.1	37
82	Production and characterization of Spirulina sp. LEB 18 cultured in reused Zarroukâ€™s medium in a raceway-type bioreactor. Bioresource Technology, 2019, 284, 340-348.	4.8	36
83	Vertical tubular photobioreactor for semicontinuous culture of Cyanobium sp.. Bioresource Technology, 2011, 102, 4897-4900.	4.8	35
84	Biocompounds and physical properties of aÃ§aÃ-pulp dried by different methods. LWT - Food Science and Technology, 2018, 98, 335-340.	2.5	35
85	Encapsulation of phycocyanin by electrospraying: A promising approach for the protection of sensitive compounds. Food and Bioproducts Processing, 2020, 119, 206-215.	1.8	35
86	Spirulina sp. as a Bioremediation Agent for Aquaculture Wastewater: Production of High Added Value Compounds and Estimation of Theoretical Biodiesel. Bioenergy Research, 2021, 14, 254-264.	2.2	35
87	Investigation of techno-functional and physicochemical properties of Spirulina platensis protein concentrate for food enrichment. LWT - Food Science and Technology, 2019, 114, 108267.	2.5	34
88	Fed-batch cultivation with CO2 and monoethanolamine: Influence on Chlorella fusca LEB 111 cultivation, carbon biofixation and biomolecules production. Bioresource Technology, 2019, 273, 627-633.	4.8	33
89	ConteÃºdo lipÃdico e composiÃ§Ã£o de Ã¡cidos graxos de microalgas expostas aos gases CO2, SO2 e NO. Quimica Nova, 2008, 31, 1609-1612.	0.3	32
90	Bioprocess Engineering Aspects of Biopolymer Production by the CyanobacteriumSpirulinaStrain LEB 18. International Journal of Polymer Science, 2014, 2014, 1-6.	1.2	32

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91	Green alga cultivation with monoethanolamine: Evaluation of CO2 fixation and macromolecule production. Bioresource Technology, 2018, 261, 206-212.	4.8	32
92	Microalgae biosynthesis of silver nanoparticles for application in the control of agricultural pathogens. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 709-716.	0.7	32
93	Effect of microalga Spirulina platensis (Arthrospira platensis) on hippocampus lipoperoxidation and lipid profile in rats with induced hypercholesterolemia. Brazilian Archives of Biology and Technology, 2009, 52, 1253-1259.	0.5	31
94	Synechococcus nidulans from a thermoelectric coal power plant as a potential CO2 mitigation in culture medium containing flue gas wastes. Bioresource Technology, 2017, 241, 21-24.	4.8	31
95	Magnetic treatment of microalgae for enhanced product formation. World Journal of Microbiology and Biotechnology, 2017, 33, 169.	1.7	31
96	Pilot-scale isolation and characterization of extracellular polymeric substances (EPS) from cell-free medium of Spirulina sp. LEB-18 cultures under outdoor conditions. International Journal of Biological Macromolecules, 2019, 124, 1106-1114.	3.6	30
97	Blue light emitting diodes (LEDs) as an energy source in Chlorella fusca and Synechococcus nidulans cultures. Bioresource Technology, 2018, 247, 1242-1245.	4.8	28
98	Spirulina sp. LEB 18 cultivation in seawater and reduced nutrients: Bioprocess strategy for increasing carbohydrates in biomass. Bioresource Technology, 2020, 316, 123883.	4.8	28
99	Polyhydroxybutyrate (PHB) Synthesis by Spirulina sp. LEB 18 Using Biopolymer Extraction Waste. Applied Biochemistry and Biotechnology, 2018, 185, 822-833.	1.4	27
100	Cultivo da microalga spirulina platensis em fontes alternativas de nutrientes. Ciencia E Agrotecnologia, 2008, 32, 1551-1556.	1.5	26
101	ProduÃ§Ã£o de biossurfactante por Aspergillus fumigatus utilizando resÃduos agroindustriais como substrato. Quimica Nova, 2009, 32, 292-295.	0.3	26
102	Effect of Spirulina addition on the physicochemical and structural properties of extruded snacks. Food Science and Technology, 2017, 37, 16-23.	0.8	26
103	Development of time-pH indicator nanofibers from natural pigments: An emerging processing technology to monitor the quality of foods. LWT - Food Science and Technology, 2021, 142, 111020.	2.5	26
104	Simultaneous Cultivation of Spirulina platensis and the Toxigenic Cyanobacteria Microcystis aeruginosa. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 105-110.	0.6	25
105	Biofunctionalized Nanofibers UsingArthrospira(Spirulina) Biomass and Biopolymer. BioMed Research International, 2015, 2015, 1-8.	0.9	25
106	Advances in Solid-State Fermentation. , 2018, , 1-17.		25
107	Quantum yield alterations due to the static magnetic fields action on Arthrospira platensis SAG 21.99: Evaluation of photosystem activity. Bioresource Technology, 2019, 292, 121945.	4.8	25
108	Innovative functional nanodispersion: Combination of carotenoid from Spirulina and yellow passion fruit albedo. Food Chemistry, 2019, 285, 397-405.	4.2	25

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109	Enhancement of the carbohydrate content in Spirulina by applying CO2, thermoelectric fly ashes and reduced nitrogen supply. International Journal of Biological Macromolecules, 2019, 123, 1241-1247.	3.6	25
110	Physical and biological fixation of CO2 with polymeric nanofibers in outdoor cultivations of Chlorella fusca LEB 111. International Journal of Biological Macromolecules, 2020, 151, 1332-1339.	3.6	25
111	Role of light emitting diode (LED) wavelengths on increase of protein productivity and free amino acid profile of Spirulina sp. cultures. Bioresource Technology, 2020, 306, 123184.	4.8	25
112	Antioxidant effect of phycocyanin on oxidative stress induced with monosodium glutamate in rats. Brazilian Archives of Biology and Technology, 2011, 54, 733-738.	0.5	24
113	Green alga cultivation with nanofibers as physical adsorbents of carbon dioxide: Evaluation of gas biofixation and macromolecule production. Bioresource Technology, 2019, 287, 121406.	4.8	24
114	Glycerol increases growth, protein production and alters the fatty acids profile of Spirulina (Arthrospira) sp LEB 18. Process Biochemistry, 2019, 76, 40-45.	1.8	24
115	The antioxidant activity of nanoemulsions based on lipids and peptides from Spirulina sp. LEB18. LWT - Food Science and Technology, 2019, 99, 173-178.	2.5	24
116	Increased lipid synthesis in the culture of Chlorella homosphaera with magnetic fields application. Bioresource Technology, 2020, 315, 123880.	4.8	24
117	Renewal of nanofibers in Chlorella fusca microalgae cultivation to increase CO2 fixation. Bioresource Technology, 2021, 321, 124452.	4.8	24
118	Snack bars enriched with Spirulina for schoolchildren nutrition. Food Science and Technology, 2020, 40, 146-152.	0.8	24
119	Heat transfer simulation of solid state fermentation in a packed-bed bioreactor. Biotechnology Letters, 1998, 12, 787-791.	0.5	23
120	Influence of Carbon, Nitrogen and Phosphorous Sources on Glucoamylase Production by Aspergillus awamori in Solid State Fermentation. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2003, 58, 708-712.	0.6	23
121	Repeated batch cultivation of the microalga Spirulinaâ€‰platensis. World Journal of Microbiology and Biotechnology, 2006, 22, 937-943.	1.7	23
122	Hidrolisado protÃ©ico de pescado obtido por vias quÃmica e enzimÃ¡tica a partir de corvina (Micropogonias furnieri). Quimica Nova, 2009, 32, 61-66.	0.3	23
123	Spirulina as a protein source in the nutritional recovery of Wistar rats. Brazilian Archives of Biology and Technology, 2013, 56, 447-456.	0.5	23
124	Biological CO2 mitigation by microalgae: technological trends, future prospects and challenges. World Journal of Microbiology and Biotechnology, 2019, 35, 78.	1.7	23
125	Optimization of Glucoamylase Production by <I>Aspergillus niger</I> in Solid-State Fermentation. Applied Biochemistry and Biotechnology, 2006, 128, 131-140.	1.4	22
126	Enzymatic Saccharification of Lignocellulosic Residues by Cellulases Obtained from Solid State Fermentation UsingTrichoderma viride. BioMed Research International, 2015, 2015, 1-9.	0.9	22

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127	Expanded and fixed bed ion exchange chromatography for the recovery of Câ€phycocyanin in a single step by using lysed cells. Canadian Journal of Chemical Engineering, 2015, 93, 111-115.	0.9	22
128	Efficacy of Spirulina sp. polyhydroxyalkanoates extraction methods and influence on polymer properties and composition. Algal Research, 2018, 33, 231-238.	2.4	22
129	Magnetic fields: biomass potential of Spirulina sp. for food supplement. Bioprocess and Biosystems Engineering, 2020, 43, 1231-1240.	1.7	22
130	Bioprocessos para remoÃ§Ã£o de diÃ³xido de carbono e Ã³xido de nitrogÃªnio por micro-algas visando a utilizaÃ§Ã£o de gases gerados durante a combustÃ£o do carvÃ£o. Quimica Nova, 2008, 31, 1038-1042.	0.3	21
131	An Open Pond System for Microalgal Cultivation. , 2014, , 1-22.		21
132	Production of Nanofibers Containing the Bioactive Compound C-Phycocyanin. Journal of Nanoscience and Nanotechnology, 2016, 16, 944-949.	0.9	21
133	Chlorella minutissima cultivation with CO2 and pentoses: Effects on kinetic and nutritional parameters. Bioresource Technology, 2017, 244, 338-344.	4.8	21
134	Effect of the addition of Spirulina sp. biomass on the development and characterization of functional food. Algal Research, 2021, 58, 102387.	2.4	21
135	Isolamento e seleÃ§Ã£o de fungos para biorremediaÃ§Ã£o a partir de solo contaminado com herbicidas triazÃnicos. Ciencia E Agrotecnologia, 2008, 32, 809-813.	1.5	20
136	Superfoods: Drivers for Consumption. Journal of Food Products Marketing, 2021, 27, 1-9.	1.4	20
137	Nanoencapsulation of the Bioactive Compounds of Spirulina with a Microalgal Biopolymer Coating. Journal of Nanoscience and Nanotechnology, 2016, 16, 81-91.	0.9	19
138	Microalgae protein heating in acid/basic solution for nanofibers production by free surface electrospinning. Journal of Food Engineering, 2018, 230, 49-54.	2.7	19
139	Open pond systems for microalgal culture. , 2019, , 199-223.		19
140	Packing density and thermal conductivity determintion for rice bran solid-state fermentation. Biotechnology Letters, 1998, 12, 747-750.	0.5	18
141	Solid State Biosurfactant Production in a Fixed-Bed Column Bioreactor. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 721-726.	0.6	18
142	Simultaneous Production of Amyloglucosidase and Exo-Polygalacturonase by Aspergillus niger in a Rotating Drum Reactor. Applied Biochemistry and Biotechnology, 2017, 181, 627-637.	1.4	18
143	Potential of Chlorella fusca LEB 111 cultivated with thermoelectric fly ashes, carbon dioxide and reduced supply of nitrogen to produce macromolecules. Bioresource Technology, 2019, 277, 55-61.	4.8	18
144	Engineering strategies for the enhancement of Nannochloropsis gaditana outdoor production: Influence of the CO2 flow rate on the culture performance in tubular photobioreactors. Process Biochemistry, 2019, 76, 171-177.	1.8	18

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145	In situ bioremediation using biosurfactant produced by solid state fermentation. World Journal of Microbiology and Biotechnology, 2009, 25, 843-851.	1.7	17
146	Evaluation of Adding Spirulina to Freeze-Dried Yogurts Before Fermentation and After Freeze-Drying. Industrial Biotechnology, 2019, 15, 89-94.	0.5	17
147	Light emitting diodes applied in Synechococcus nidulans cultures: Effect on growth, pigments production and lipid profiles. Bioresource Technology, 2019, 280, 511-514.	4.8	17
148	Cellular Stress Conditions as a Strategy to Increase Carbohydrate Productivity in Spirulina platensis. Bioenergy Research, 2020, 13, 1221-1234.	2.2	17
149	Co-produÃ§Ã£o de lipase e biossurfactante em estado sÃ³lido para utilizaÃ§Ã£o em biorremediaÃ§Ã£o de Ã³leos vegetais e hidrocarbonetos. Quimica Nova, 2008, 31, 1942-1947.	0.3	16
150	Recovery of C-Phycocyanin in the Presence of Cells Using Expanded Bed IEC. Chromatographia, 2011, 74, 307-312.	0.7	16
151	Essential oil of Ocotea odorifera: An alternative against Sitophilus zeamais. Renewable Agriculture and Food Systems, 2014, 29, 161-166.	0.8	16
152	Spirulina platensis biomass composition is influenced by the light availability and harvest phase in raceway ponds. Environmental Technology (United Kingdom), 2018, 39, 1868-1877.	1.2	16
153	Preparation of beta-carotene nanoemulsion and evaluation of stability at a long storage period. Food Science and Technology, 2019, 39, 599-604.	0.8	16
154	Brackish Groundwater from Brazilian Backlands in Spirulina Cultures: Potential of Carbohydrate and Polyunsaturated Fatty Acid Production. Applied Biochemistry and Biotechnology, 2020, 190, 907-917.	1.4	16
155	Magnetic field as promoter of growth in outdoor and indoor assays of Chlorella fusca. Bioprocess and Biosystems Engineering, 2021, 44, 1453-1460.	1.7	16
156	Exopolysaccharides from microalgae: Production in a biorefinery framework and potential applications. Bioresource Technology Reports, 2022, 18, 101006.	1.5	16
157	Extraction of poly(3-hydroxybutyrate) from Spirulina LEB 18 for developing nanofibers. Polimeros, 2015, 25, 161-167.	0.2	15
158	Nitrogen balancing and xylose addition enhances growth capacity and protein content in Chlorella minutissima cultures. Bioresource Technology, 2016, 218, 129-133.	4.8	15
159	Quercetin and curcumin in nanofibers of polycaprolactone and poly(hydroxybutyrateâ€coâ€hydroxyvalerate): Assessment of in vitro antioxidant activity. Journal of Applied Polymer Science, 2016, 133, .	1.3	15
160	Solid-State Fermentation for the Production of Biosurfactants and Their Applications. , 2018, , 357-372.		15
161	Bioactive peptides and proteases: characteristics, applications and the simultaneous production in solid-state fermentation. Biocatalysis and Biotransformation, 2021, 39, 360-377.	1.1	15
162	Combination of carotenoids from Spirulina and PLA/PLGA or PHB: New options to obtain bioactive nanoparticles. Food Chemistry, 2021, 346, 128742.	4.2	15

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