Attilio Converti

List of Publications by Year
in descending order

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404	13,897	22153	40979
papers	citations	59 h-index	93 g-index

405	405	405	13790
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of temperature and nitrogen concentration on the growth and lipid content of Nannochloropsis oculata and Chlorella vulgaris for biodiesel production. Chemical Engineering and Processing: Process Intensification, 2009, 48, 1146-1151.	3.6	1,070
2	Lactic acid properties, applications and production: A review. Trends in Food Science and Technology, 2013, 30, 70-83.	15.1	509
3	Novel biotechnological applications of bacteriocins: A review. Food Control, 2013, 32, 134-142.	5.5	282
4	Inulin-type fructans: A review on different aspects of biochemical and pharmaceutical technology. Carbohydrate Polymers, 2014, 101, 368-378.	10.2	235
5	Submerged Citric Acid Fermentation on Orange Peel Autohydrolysate. Journal of Agricultural and Food Chemistry, 2008, 56, 2380-2387.	5.2	195
6	Biotechnological production of citric acid. Brazilian Journal of Microbiology, 2010, 41, 862-875.	2.0	192
7	Batch and fed-batch cultivations of Spirulina platensis using ammonium sulphate and urea as nitrogen sources. Aquaculture, 2005, 243, 217-224.	3.5	191
8	Bacteriocin production by Bifidobacterium spp. A review. Biotechnology Advances, 2013, 31, 482-488.	11.7	163
9	Production of green surfactants: Market prospects. Electronic Journal of Biotechnology, 2021, 51, 28-39.	2.2	159
10	Fibers from fruit by-products enhance probiotic viability and fatty acid profile and increase CLA content in yoghurts. International Journal of Food Microbiology, 2012, 154, 135-144.	4.7	145
11	Effect of different prebiotics on the fermentation kinetics, probiotic survival and fatty acids profiles in nonfat symbiotic fermented milk. International Journal of Food Microbiology, 2009, 128, 467-472.	4.7	134
12	Influence of milk type and addition of passion fruit peel powder on fermentation kinetics, texture profile and bacterial viability in probiotic yoghurts. LWT - Food Science and Technology, 2012, 47, 393-399.	5.2	124
13	Biogas production and valorization by means of a two-step biological process. Bioresource Technology, 2009, 100, 5771-5776.	9.6	121
14	Liquidâ€“liquid extraction of proteases from fermented broth by PEG/citrate aqueous two-phase system. Chemical Engineering and Processing: Process Intensification, 2008, 47, 716-721.	3.6	119
15	Adsorption of Ni2+, Zn2+ and Pb2+ onto dry biomass of Arthrospira (Spirulina) platensis and Chlorella vulgaris. I. Single metal systems. Chemical Engineering Journal, 2011, 173, 326-333.	12.7	119
16	Characterisation of bare and tannase-loaded calcium alginate beads by microscopic, thermogravimetric, FTIR and XRD analyses. International Journal of Biological Macromolecules, 2018, 115, 900-906.	7.5	119
17	Citric acid production from orange peel wastes by solid-state fermentation. Brazilian Journal of Microbiology, 2011, 42, 394-409.	2.0	115
18	Effects of carbon dioxide feeding rate and light intensity on the fed-batch pulse-feeding cultivation of Spirulina platensis in helical photobioreactor. Biochemical Engineering Journal, 2008, 39, 369-375.	3.6	110

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19	Therapeutic<scp>l</scp>-asparaginase: upstream, downstream and beyond. Critical Reviews in Biotechnology, 2017, 37, 82-99.	9.0	109
20	Biosorption of three acid dyes by the brown macroalga Stoechospermum marginatum: Isotherm, kinetic and thermodynamic studies. Chemical Engineering Journal, 2012, 195-196, 297-306.	12.7	105
21	Rheology, spontaneous whey separation, microstructure and sensorial characteristics of probiotic yoghurts enriched with passion fruit fiber. Food Research International, 2013, 50, 224-231.	6.2	105
22	Toluene and styrene removal from air in biofilters. Process Biochemistry, 2001, 37, 423-429.	3.7	102
23	Release of ferulic acid from corn cobs by alkaline hydrolysis. Biochemical Engineering Journal, 2008, 40, 500-506.	3.6	102
24	Influence of food matrices on probiotic viability â€“ A review focusing on the fruity bases. Trends in Food Science and Technology, 2011, 22, 377-385.	15.1	99
25	Effects of temperature, inoculum size and starch hydrolyzate concentration on butanediol production by Bacillus licheniformis. Bioresource Technology, 2003, 89, 125-131.	9.6	91
26	Cultivation of Spirulina platensis in a combined airlift-tubular reactor system. Biochemical Engineering Journal, 2006, 32, 13-18.	3.6	86
27	Effect of inulin as prebiotic and synbiotic interactions between probiotics to improve fermented milk firmness. Journal of Food Engineering, 2011, 107, 36-40.	5.2	86
28	Soil Bioremediation: Overview of Technologies and Trends. Energies, 2020, 13, 4664.	3.1	85
29	Biogas Production: New Trends for Alternative Energy Sources in Rural and Urban Zones. Chemical Engineering and Technology, 2009, 32, 1147-1153.	1.5	82
30	Use of sugarcane bagasse as biomaterial for cell immobilization for xylitol production. Journal of Food Engineering, 2008, 86, 542-548.	5.2	80
31	Effect of inulin as a prebiotic to improve growth and counts of a probiotic cocktail in fermented skim milk. LWT - Food Science and Technology, 2011, 44, 520-523.	5.2	79
32	Influence of temperature and pH on xylitol production from xylose byDebaryomyces hansenii. Biotechnology and Bioengineering, 2001, 75, 39-45.	3.3	78
33	New aspects on atrazine biodegradation. Brazilian Archives of Biology and Technology, 2010, 53, 487-496.	0.5	78
34	Kinetic and thermodynamic studies of a novel acid protease from Aspergillus foetidus. International Journal of Biological Macromolecules, 2015, 81, 17-21.	7.5	78
35	Removal of methylene blue dye from aqueous solutions by a new chitosan/zeolite composite from shrimp waste: Kinetic and equilibrium study. Korean Journal of Chemical Engineering, 2017, 34, 1699-1707.	2.7	78
36	Repeated fed-batch cultivation of Arthrospira (Spirulina) platensis using urea as nitrogen source. Biochemical Engineering Journal, 2009, 43, 52-57.	3.6	76

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37	CULTIVATION OF ARTHROSPIRA (SPIRULINA) PLATENSIS (CYANOPHYCEAE) BY FEDâ€BATCH ADDITION OF AMMONIUM CHLORIDE AT EXPONENTIALLY INCREASING FEEDING RATES¹. Journal of Phycology, 2004, 40, 589-597.	2.3	74
38	A Critical Review of Biological Processes and Technologies for Landfill Leachate Treatment. Chemical Engineering and Technology, 2015, 38, 2115-2126.	1.5	74
39	Fermentation of hardwood hemicellulose hydrolysate byPachysolen tannophilus, candida shehatae andPichia stipitis. Journal of Industrial Microbiology, 1990, 6, 157-164.	0.9	73
40	Sugarcane bagasse as alternative packing material for biofiltration of benzene polluted gaseous streams: a preliminary study. Bioresource Technology, 2002, 83, 153-157.	9.6	73
41	Fly ash disposal and utilization. Journal of Chemical Technology and Biotechnology, 1990, 47, 281-305.	3.2	73
42	Chromium (VI) removal by methylated biomass of Spirulina platensis: The effect of methylation process. Chemical Engineering Journal, 2010, 156, 264-269.	12.7	73
43	Cadmium biosorption on Spirulina platensis biomass. Bioresource Technology, 2008, 99, 5933-5937.	9.6	72
44	Use of lactulose as prebiotic and its influence on the growth, acidification profile and viable counts of different probiotics in fermented skim milk. International Journal of Food Microbiology, 2011, 145, 22-27.	4.7	72
45	Optimisation of olive oil extraction by means of enzyme processing aids using response surface methodology. Biochemical Engineering Journal, 2008, 42, 34-40.	3.6	71
46	Evaluation of the composition of continuously-cultivated Arthrospira (Spirulina) platensis using ammonium chloride as nitrogen source. Biomass and Bioenergy, 2010, 34, 1732-1738.	5.7	71
47	Batch and fed-batch uptake of carbon dioxide by Spirulina platensis. Process Biochemistry, 2003, 38, 1341-1346.	3.7	70
48	Complete Bioconversion of Hemicellulosic Sugars From Agricultural Residues Into Lactic Acid by Lactobacillus pentosus. Applied Biochemistry and Biotechnology, 2006, 135, 219-228.	2.9	69
49	Use of carbon and energy balances in the study of the anaerobic metabolism of Enterobacter aerogenes at variable starting glucose concentrations. Applied Microbiology and Biotechnology, 2002, 59, 303-309.	3.6	68
50	Anaerobic digestion of the vegetable fraction of municipal refuses: mesophilic versus thermophilic conditions. Bioprocess and Biosystems Engineering, 1999, 21, 371.	0.5	66
51	Fed-batch cultivation of Arthrospira (Spirulina) platensis: Potassium nitrate and ammonium chloride as simultaneous nitrogen sources. Bioresource Technology, 2010, 101, 4491-4498.	9.6	66
52	Copper removal by dry and re-hydrated biomass of Spirulina platensis. Bioresource Technology, 2006, 97, 1756-1760.	9.6	65
53	Improvement of olive oil phenolics content by means of enzyme formulations: Effect of different enzyme activities and levels. Biochemical Engineering Journal, 2008, 41, 149-156.	3.6	65
54	Growth, organic acids profile and sugar metabolism of Bifidobacterium lactis in co-culture with Streptococcus thermophilus: The inulin effect. Food Research International, 2012, 48, 21-27.	6.2	65

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55	Xylitol production from sugarcane bagasse hydrolysate. Biochemical Engineering Journal, 2005, 25, 25-31.	3.6	63
56	Metal biosorption onto dry biomass of Arthrospira (Spirulina) platensis and Chlorella vulgaris: Multi-metal systems. Journal of Hazardous Materials, 2012, 217-218, 246-255.	12.4	63
57	Purification of Xylitol Obtained by Fermentation of Corncob Hydrolysates. Journal of Agricultural and Food Chemistry, 2006, 54, 4430-4435.	5.2	62
58	2,3-Butanediol production by Enterobacter aerogenes: selection of the optimal conditions and application to food industry residues. Bioprocess and Biosystems Engineering, 2000, 23, 613-620.	3.4	60
59	Metabolic behavior of immobilizedCandida guilliermondii cells during batch xylitol production from sugarcane bagasse acid hydrolyzate. Biotechnology and Bioengineering, 2002, 79, 165-169.	3.3	60
60	Lipase-catalyzed degradation of poly(Îµ-caprolactone). Enzyme and Microbial Technology, 2004, 35, 321-326.	3.2	59
61	Sorption of Cd(II) and Pb(II) from aqueous solutions onto Agave americana fibers. Chemical Engineering Journal, 2010, 159, 67-74.	12.7	59
62	Phenolics extraction from Agave americana (L.) leaves using high-temperature, high-pressure reactor. Food and Bioproducts Processing, 2012, 90, 17-21.	3.6	59
63	Production of Chlorella vulgaris as a source of essential fatty acids in a tubular photobioreactor continuously fed with air enriched with CO₂ at different concentrations. Biotechnology Progress, 2014, 30, 916-922.	2.6	59
64	Xylitol Production from Hardwood Hemicellulose Hydrolysates by Pachysolen tannophilus, Debaryomyces hansenii, and Candida guilliermondii. Applied Biochemistry and Biotechnology, 1999, 82, 141-152.	2.9	58
65	Hydrolysis and thermophilic anaerobic digestion of sewage sludge and organic fraction of municipal solid waste. Bioprocess and Biosystems Engineering, 1999, 20, 553.	0.5	58
66	Shrimp shell as an efficient bioadsorbent for Acid Blue 25 dye removal from aqueous solution. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2926-2934.	5.3	57
67	Production, purification and characterization of an aspartic protease from Aspergillus foetidus. Food and Chemical Toxicology, 2017, 109, 1103-1110.	3.6	56
68	Growth and acidification performance of probiotics in pure culture and co-culture with Streptococcus thermophilus: The effect of inulin. LWT - Food Science and Technology, 2009, 42, 1015-1021.	5.2	55
69	Thermodynamic investigation of an alkaline protease from Aspergillus tamarii URM4634: A comparative approach between crude extract and purified enzyme. International Journal of Biological Macromolecules, 2018, 109, 1039-1044.	7.5	55
70	Effect of inulin on the growth and metabolism of a probiotic strain of Lactobacillus rhamnosus in co-culture with Streptococcus thermophilus. LWT - Food Science and Technology, 2012, 47, 358-363.	5.2	54
71	Extraction, isolation and characterization of inulin from Agave sisalana boles. Industrial Crops and Products, 2017, 108, 355-362.	5.2	54
72	Optimization of spray drying microencapsulation of olive pomace polyphenols using Response Surface Methodology and Artificial Neural Network. LWT - Food Science and Technology, 2018, 93, 220-228.	5.2	52

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73	Behavior of Triton X-114 cloud point in the presence of inorganic electrolytes. Fluid Phase Equilibria, 2013, 360, 435-438.	2.5	51
74	Fructo-oligosaccharides production by an Aspergillus aculeatus commercial enzyme preparation with fructosyltransferase activity covalently immobilized on Fe3O4â€“chitosan-magnetic nanoparticles. International Journal of Biological Macromolecules, 2020, 150, 922-929.	7.5	51
75	Influence of cultivation conditions on xylose-to-xylitol bioconversion by a new isolate of Debaryomyces hansenii. Bioresource Technology, 2008, 99, 502-508.	9.6	50
76	Xylitol production by Ca-alginate entrapped cells: comparison of different fermentation systems. Enzyme and Microbial Technology, 2003, 32, 553-559.	3.2	49
77	Use of Hydrogen as Fuel: A Trend of the 21st Century. Energies, 2022, 15, 311.	3.1	49
78	Effect of specific oxygen uptake rate onEnterobacter aerogenes energetics: Carbon and reduction degree balances in batch cultivations. Biotechnology and Bioengineering, 2003, 82, 370-377.	3.3	48
79	Purification of a fibrinolytic protease from Mucor subtilissimus UCP 1262 by aqueous two-phase systems (PEG/sulfate). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1025, 16-24.	2.3	48
80	Toluene vapour removal in a laboratory-scale biofilter. Applied Microbiology and Biotechnology, 2000, 54, 248-254.	3.6	47
81	Influence of aeration rate and carrier concentration on xylitol production from sugarcane bagasse hydrolyzate in immobilized-cell fluidized bed reactor. Process Biochemistry, 2005, 40, 113-118.	3.7	47
82	Ammonium and urea removal by Spirulina platensis. Journal of Industrial Microbiology and Biotechnology, 2006, 33, 8-16.	3.0	47
83	Arthrospira (Spirulina) platensis cultivation in tubular photobioreactor: Use of no-cost CO2 from ethanol fermentation. Applied Energy, 2012, 92, 379-385.	10.1	46
84	Production, purification, and characterization of an extracellular acid protease from the marine Antarctic yeast Rhodotorula mucilaginosa L7. Fungal Biology, 2015, 119, 1129-1136.	2.5	46
85	Thermodynamic and kinetic studies on pectinase extracted from Aspergillus aculeatus: Free and immobilized enzyme entrapped in alginate beads. International Journal of Biological Macromolecules, 2018, 115, 1088-1093.	7.5	45
86	Adsorption of inorganic mercury from aqueous solutions onto dry biomass of Chlorella vulgaris: kinetic and isotherm study. Environmental Technology (United Kingdom), 2019, 40, 664-672.	2.2	45
87	The effect of acid pre-treatment on the biosorption of chromium(III) by Sphaerotilus natans from industrial wastewater. Water Research, 2000, 34, 3171-3178.	11.3	44
88	Xylitol crystallization from culture media fermented by yeasts. Chemical Engineering and Processing: Process Intensification, 2006, 45, 1041-1046.	3.6	44
89	The effect of inulin as a prebiotic on the production of probiotic fibreâ€enriched fermented milk. International Journal of Dairy Technology, 2009, 62, 195-203.	2.8	44
90	Vanillin bioproduction from alkaline hydrolyzate of corn cob by Escherichia coli JM109/pBB1. Enzyme and Microbial Technology, 2009, 44, 154-158.	3.2	44

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91	Semi-continuous anaerobic digestion of a food industry wastewater in an anaerobic filter. Bioresource Technology, 2000, 71, 261-266.	9.6	42
92	Removal of exhausted oils by adsorption on mixed Ca and Mg oxides. Water Research, 2002, 36, 899-904.	11.3	42
93	Influence of pH, temperature, and urea molar flowrate onArthrospira platensis fed-batch cultivation: A kinetic and thermodynamic approach. Biotechnology and Bioengineering, 2007, 96, 702-711.	3.3	42
94	Batch phenol removal from methyl isobutyl ketone by liquidâ€“liquid extraction with chemical reaction. Chemical Engineering and Processing: Process Intensification, 2007, 46, 764-768.	3.6	42
95	Effect of inulin on growth and acidification performance of different probiotic bacteria in co-cultures and mixed culture with Streptococcus thermophilus. Journal of Food Engineering, 2009, 91, 133-139.	5.2	42
96	Liquidâ€“liquid extraction by mixed micellar systems: A new approach for clavulanic acid recovery from fermented broth. Biochemical Engineering Journal, 2011, 56, 75-83.	3.6	42
97	Cheese whey permeate fermentation by Kluyveromyces lactis: a combined approach to wastewater treatment and bioethanol production. Environmental Technology (United Kingdom), 2020, 41, 3210-3218.	2.2	42
98	Simultaneous effects of immobilization and substrate protection on the thermodynamics of glucose isomerase activity and inactivation. Enzyme and Microbial Technology, 1997, 21, 511-517.	3.2	41
99	Xylitol recovery by crystallization from synthetic solutions and fermented hemicellulose hydrolyzates. Chemical Engineering Journal, 2002, 90, 291-298.	12.7	41
100	Evaluation of porous glass and zeolite as cells carriers for xylitol production from sugarcane bagasse hydrolysate. Biochemical Engineering Journal, 2005, 23, 1-9.	3.6	41
101	Influence of ammonium sulphate feeding time on fed-batch Arthrospira (Spirulina) platensis cultivation and biomass composition with and without pH control. Bioresource Technology, 2011, 102, 6587-6592.	9.6	41
102	Chitin as biosorbent for phenol removal from aqueous solution: Equilibrium, kinetic and thermodynamic studies. Chemical Engineering and Processing: Process Intensification, 2013, 70, 131-139.	3.6	41
103	Production and formulation of a new low-cost biosurfactant to remediate oil-contaminated seawater. Journal of Biotechnology, 2019, 295, 71-79.	3.8	41
104	Biological removal of phosphorus from wastewaters by alternating aerobic and anaerobic conditions. Water Research, 1995, 29, 263-269.	11.3	40
105	Efficient and selective microbial esterification with dry mycelium of Rhizopus oryzae. Journal of Biotechnology, 2001, 92, 21-26.	3.8	40
106	Laboratory-scale experiments with a powdered compost biofilter treating benzene-polluted air. Process Biochemistry, 2005, 40, 2035-2043.	3.7	40
107	Influence of ammonium chloride feeding time and light intensity on the cultivation of Spirulina (Arthrospira) platensis. Biotechnology and Bioengineering, 2008, 100, 297-305.	3.3	40
108	Ferulic acid and p-coumaric acid solubilization by alkaline hydrolysis of the solid residue obtained after acid prehydrolysis of vine shoot prunings: Effect of the hydroxide and pH. Biochemical Engineering Journal, 2009, 43, 129-134.	3.6	40

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109	Chromium(III) removal by Spirulina platensis biomass. Chemical Engineering Journal, 2008, 136, 151-155.	12.7	39
110	Effects of light intensity and dilution rate on the semicontinuous cultivation of Arthrospira (Spirulina) platensis. A kinetic Monod-type approach. Bioresource Technology, 2011, 102, 3215-3219.	9.6	39
111	Antimicrobial and radical scavenging properties of bovine collagen hydrolysates produced by Penicillium aurantiogriseum URM 4622 collagenase. Journal of Food Science and Technology, 2015, 52, 4459-4466.	2.8	39
112	Co-digestion of Municipal Sewage Sludges and Pre-hydrolysed Woody Agricultural Wastes. Journal of Chemical Technology and Biotechnology, 1997, 69, 231-239.	3.2	38
113	Kinetics of glucose isomerization to fructose by immobilized glucose isomerase in the presence of substrate protection. Bioprocess and Biosystems Engineering, 1997, 18, 27.	0.5	38
114	Metabolic study of the adaptation of the yeast Candida guilliermondii to sugarcane bagasse hydrolysate. Applied Microbiology and Biotechnology, 2001, 57, 738-743.	3.6	38
115	Statistical investigation on the effects of starting xylose concentration and oxygen mass flowrate on xylitol production from rice straw hydrolyzate by response surface methodology. Journal of Food Engineering, 2004, 65, 383-389.	5.2	38
116	Optimization of xylitol recovery by crystallization from synthetic solutions using response surface methodology. Journal of Food Engineering, 2004, 61, 407-412.	5.2	38
117	Cultivation of Chlorella vulgaris in tubular photobioreactors: A lipid source for biodiesel production. Biochemical Engineering Journal, 2013, 81, 120-125.	3.6	38
118	Mycelium-bound carboxylesterase from Aspergillus oryzae: an efficient catalyst for acetylation in organic solvent. Enzyme and Microbial Technology, 2000, 27, 626-630.	3.2	37
119	Effect of Starting Xylose Concentration on the Microaerobic Metabolism of Debaryomyces hansenii: The Use of Carbon Material Balances. Applied Biochemistry and Biotechnology, 2002, 101, 15-30.	2.9	36
120	Microbial Succession in a Compost-packed Biofilter Treating Benzene-contaminated Air. Biodegradation, 2006, 17, 79-89.	3.0	36
121	Doxycycline Degradation by the Oxidative Fenton Process. Journal of Chemistry, 2015, 2015, 1-9.	1.9	36
122	The Use of Euterpe oleracea Mart. As a New Perspective for Disease Treatment and Prevention. Biomolecules, 2020, 10, 813.	4.0	36
123	A kinetic study ofSaccharomyces strains: Performance at high sugar concentrations. Biotechnology and Bioengineering, 1985, 27, 1108-1114.	3.3	35
124	Hydrogenolysis of organochlorinated pollutants: Kinetics and thermodynamics. Journal of Hazardous Materials, 1991, 27, 127-135.	12.4	35
125	Continuous and pulse feedings of urea as a nitrogen source in fed-batch cultivation of Spirulina platensis. Aquacultural Engineering, 2004, 31, 237-245.	3.1	35
126	Stability of clavulanic acid under variable pH, ionic strength and temperature conditions. A new kinetic approach. Biochemical Engineering Journal, 2009, 45, 89-93.	3.6	35

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127	Carbon Material and Bioenergetic Balances of Xylitol Production from Corncobs by Debaryomyces hansenii. Biotechnology Progress, 2003, 19, 706-713.	2.6	34
128	Xylose Metabolism in Debaryomyces hansenii UFV-170. Effect of the Specific Oxygen Uptake Rate. Biotechnology Progress, 2004, 20, 1641-1650.	2.6	33
129	Influence of temperature and pH on xylitol production from xylose by Debaryomyces hansenii UFV-170. Process Biochemistry, 2006, 41, 675-681.	3.7	33
130	Cultivation of Spirulina platensis by continuous process using ammonium chloride as nitrogen source. Biomass and Bioenergy, 2007, 31, 593-598.	5.7	33
131	Co-metabolic models of Streptococcus thermophilus in co-culture with Lactobacillus bulgaricus or Lactobacillus acidophilus. Biochemical Engineering Journal, 2012, 62, 62-69.	3.6	33
132	Reactivity and stability of mycelium-bound carboxylesterase fromAspergillus oryzae. Biotechnology and Bioengineering, 2002, 77, 232-237.	3.3	32
133	Simplified kinetics and thermodynamics of geraniol acetylation by lyophilized cells of Aspergillus oryzae. Enzyme and Microbial Technology, 2002, 30, 216-223.	3.2	31
134	Nitrate and phosphate removal by Spirulina platensis. Journal of Industrial Microbiology and Biotechnology, 2003, 30, 656-660.	3.0	31
135	Sugarcane bagasse hydrolysis with phosphoric and sulfuric acids and hydrolysate detoxification for xylitol production. Journal of Chemical Technology and Biotechnology, 2004, 79, 1308-1312.	3.2	31
136	Xylitol Production from Sugarcane Bagasse Hydrolyzate in Fluidized Bed Reactor. Effect of Air Flowrate. Biotechnology Progress, 2008, 19, 1210-1215.	2.6	31
137	Development and Evaluation of Antimicrobial and Modulatory Activity of Inclusion Complex of Euterpe oleracea Mart Oil and Î²-Cyclodextrin or HP-Î²-Cyclodextrin. International Journal of Molecular Sciences, 2020, 21, 942.	4.1	31
138	Use of Immobilized Candida Yeast Cells for Xylitol Production from Sugarcane Bagasse Hydrolysate. Applied Biochemistry and Biotechnology, 2002, 98-100, 489-496.	2.9	30
139	Treatment of Benzene-Contaminated Airstreams in Laboratory-Scale Biofilters Packed with Raw and Sieved Sugarcane Bagasse and with Peat. Biodegradation, 2004, 15, 87-96.	3.0	30
140	Continuous extraction of Î±-toxin from a fermented broth of Clostridium perfringens Type A in perforated rotating disc contactor using aqueous two-phase PEGâ€“phosphate system. Chemical Engineering and Processing: Process Intensification, 2008, 47, 1771-1776.	3.6	29
141	Extraction of phenolic compounds from Vitex agnus-castus L.. Food and Bioproducts Processing, 2012, 90, 748-754.	3.6	29
142	Two-phase partitioning and partial characterization of a collagenase from Penicillium aurantiogriseum URM4622: Application to collagen hydrolysis. Biochemical Engineering Journal, 2013, 75, 64-71.	3.6	29
143	Effect of UV radiation or titanium dioxide on polyphenol and lipid contents of Arthrospira (Spirulina) platensis. Algal Research, 2015, 12, 308-315.	4.6	29
144	Oil spills: impacts and perspectives of treatment technologies with focus on the use of green surfactants. Environmental Monitoring and Assessment, 2022, 194, 143.	2.7	29

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145	Kinetics and Bioenergetics of <I>Spirulina platensis</I> Cultivation by Fed-Batch Addition of Urea as Nitrogen Source. Applied Biochemistry and Biotechnology, 2004, 112, 143-150.	2.9	28
146	Removal of proteases from Clostridium perfringens fermented broth by aqueous two-phase systems (PEG/citrate). Journal of Industrial Microbiology and Biotechnology, 2007, 34, 547-552.	3.0	28
147	Recovery of phenolic compounds of food concern from Arthrospira platensis by green extraction techniques. Algal Research, 2017, 25, 391-401.	4.6	28
148	Evaluation of diffusional resistances in the process of glucose isomerization to fructose by immobilized glucose isomerase. Enzyme and Microbial Technology, 2001, 28, 246-252.	3.2	27
149	Bioconversion of d-xylose to xylitol by Debaryomyces hansenii UFV-170: Product formation versus growth. Process Biochemistry, 2005, 40, 3600-3606.	3.7	27
150	Use of response surface methodology for optimization of xylitol production by the new yeast strain Debaryomyces hansenii UFV-170. Journal of Food Engineering, 2006, 76, 376-386.	5.2	27
151	Selection of Temporal Lags for Predicting Riverflow Series from Hydroelectric Plants Using Variable Selection Methods. Energies, 2020, 13, 4236.	3.1	27
152	Generalized linearization of kinetics of glucose isomerization to fructose by immobilized glucose isomerase. , 1999, 63, 273-284.		26
153	Carbon material balances and bioenergetics of 2,3-butanediol bio-oxidation by Acetobacter hansenii. Enzyme and Microbial Technology, 2003, 33, 708-719.	3.2	26
154	CO₂ from alcoholic fermentation for continuous cultivation of Arthrospira (Spirulina) platensis in tubular photobioreactor using urea as nitrogen source. Biotechnology Progress, 2011, 27, 650-656.	2.6	26
155	Effect of inulin on growth and bacteriocin production by Lactobacillus plantarum in stationary and shaken cultures. International Journal of Food Science and Technology, 2015, 50, 864-870.	2.7	26
156	Batch growth of Kluyveromyces lactis cells from deproteinized whey: Response surface methodology versus Artificial neural networkâ€"Genetic algorithm approach. Biochemical Engineering Journal, 2016, 109, 305-311.	3.6	26
157	Purification, biochemical, and structural characterization of a novel fibrinolytic enzyme from Mucor subtilissimus UCP 1262. Bioprocess and Biosystems Engineering, 2017, 40, 1209-1219.	3.4	26
158	Partitioning and extraction protease from Aspergillus tamarii URM4634 using PEG-citrate aqueous two-phase systems. Biocatalysis and Agricultural Biotechnology, 2017, 9, 168-173.	3.1	26
159	Neural-Based Ensembles and Unorganized Machines to Predict Streamflow Series from Hydroelectric Plants. Energies, 2020, 13, 4769.	3.1	26
160	Kinetic and Thermodynamic Investigation on Ascorbate Oxidase Activity and Stability of aCucurbita maximaExtract. Biotechnology Progress, 2006, 22, 1637-1642.	2.6	26
161	Effects of Carbon and Nitrogen Sources and Oxygenation on the Production of Inulinase by Kluyveromyces marxianus. Applied Biochemistry and Biotechnology, 2009, 152, 249-261.	2.9	25
162	PVA-Hydrogel Entrapped Candida Guilliermondii for Xylitol Production from Sugarcane Hemicellulose Hydrolysate. Applied Biochemistry and Biotechnology, 2009, 157, 527-537.	2.9	25

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