

Yusuf Chisti

List of Publications by Year in descending order

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258
papers

29,605
citations

18436

62
h-index

5101

166
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341
all docs

341
docs citations

341
times ranked

22201
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodiesel from microalgae. <i>Biotechnology Advances</i> , 2007, 25, 294-306.	6.0	7,922
2	Recovery of microalgal biomass and metabolites: process options and economics. <i>Biotechnology Advances</i> , 2003, 20, 491-515.	6.0	1,846
3	Synthesis of metallic nanoparticles using plant extracts. <i>Biotechnology Advances</i> , 2013, 31, 346-356.	6.0	1,790
4	Biodiesel from microalgae beats bioethanol. <i>Trends in Biotechnology</i> , 2008, 26, 126-131.	4.9	1,709
5	Production, purification, characterization, and applications of lipases. <i>Biotechnology Advances</i> , 2001, 19, 627-662.	6.0	1,152
6	Constraints to commercialization of algal fuels. <i>Journal of Biotechnology</i> , 2013, 167, 201-214.	1.9	603
7	<i>Botryococcus braunii</i> : A Renewable Source of Hydrocarbons and Other Chemicals. <i>Critical Reviews in Biotechnology</i> , 2002, 22, 245-279.	5.1	602
8	Biotechnologyâ€™a sustainable alternative for chemical industry. <i>Biotechnology Advances</i> , 2005, 23, 471-499.	6.0	541
9	Tubular photobioreactor design for algal cultures. <i>Journal of Biotechnology</i> , 2001, 92, 113-131.	1.9	491
10	Protein measurements of microalgal and cyanobacterial biomass. <i>Bioresource Technology</i> , 2010, 101, 7587-7591.	4.8	465
11	Photobioreactors: light regime, mass transfer, and scaleup. <i>Journal of Biotechnology</i> , 1999, 70, 231-247.	1.9	456
12	Disruption of microbial cells for intracellular products. <i>Enzyme and Microbial Technology</i> , 1986, 8, 194-204.	1.6	431
13	Comparative evaluation of compact photobioreactors for large-scale monoculture of microalgae. <i>Journal of Biotechnology</i> , 1999, 70, 249-270.	1.9	286
14	Towards a luxury uptake process via microalgae â€œ Defining the polyphosphate dynamics. <i>Water Research</i> , 2009, 43, 4207-4213.	5.3	273
15	A process for high yield and scaleable recovery of high purity eicosapentaenoic acid esters from microalgae and fish oil. <i>Enzyme and Microbial Technology</i> , 2000, 26, 516-529.	1.6	243
16	Polysaccharopeptides of <i>Coriolus versicolor</i> : physiological activity, uses, and production. <i>Biotechnology Advances</i> , 2003, 21, 109-122.	6.0	241
17	Animal-cell damage in sparged bioreactors. <i>Trends in Biotechnology</i> , 2000, 18, 420-432.	4.9	239
18	Shear stress tolerance and biochemical characterization of <i>Phaeodactylum tricoratum</i> in quasi steady-state continuous culture in outdoor photobioreactors. <i>Biochemical Engineering Journal</i> , 2003, 16, 287-297.	1.8	235

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19	Hydrodynamic Damage to Animal Cells. <i>Critical Reviews in Biotechnology</i> , 2001, 21, 67-110.	5.1	232
20	Sonobioreactors: using ultrasound for enhanced microbial productivity. <i>Trends in Biotechnology</i> , 2003, 21, 89-93.	4.9	226
21	A mechanistic model of photosynthesis in microalgae. <i>Biotechnology and Bioengineering</i> , 2003, 81, 459-473.	1.7	214
22	Factors Influencing Luxury Uptake of Phosphorus by Microalgae in Waste Stabilization Ponds. <i>Environmental Science & Technology</i> , 2008, 42, 5958-5962.	4.6	212
23	BiodieselAnalyzer: a user-friendly software for predicting the properties of prospective biodiesel. <i>Biofuel Research Journal</i> , 0, , 55-57.	7.2	190
24	Energy from algae: Current status and future trends. <i>Applied Energy</i> , 2011, 88, 3277-3279.	5.1	183
25	Fermentation optimization for the production of poly(β -hydroxybutyric acid) microbial thermoplastic. <i>Enzyme and Microbial Technology</i> , 1999, 25, 132-141.	1.6	175
26	Growth and biochemical characterization of microalgal biomass produced in bubble column and airlift photobioreactors: studies in fed-batch culture. <i>Enzyme and Microbial Technology</i> , 2002, 31, 1015-1023.	1.6	165
27	Streptokinase—a clinically useful thrombolytic agent. <i>Biotechnology Advances</i> , 2004, 22, 287-307.	6.0	162
28	Biotechnological significance of toxic marine dinoflagellates. <i>Biotechnology Advances</i> , 2007, 25, 176-194.	6.0	160
29	Production of shikimic acid. <i>Biotechnology Advances</i> , 2012, 30, 1425-1431.	6.0	156
30	Pellet morphology, culture rheology and lovastatin production in cultures of <i>Aspergillus terreus</i> . <i>Journal of Biotechnology</i> , 2005, 116, 61-77.	1.9	147
31	Response to Reijnders: Do biofuels from microalgae beat biofuels from terrestrial plants?. <i>Trends in Biotechnology</i> , 2008, 26, 351-352.	4.9	144
32	Oxygen transfer and mixing in mechanically agitated airlift bioreactors. <i>Biochemical Engineering Journal</i> , 2002, 10, 143-153.	1.8	142
33	Gold nanoparticles produced in a microalga. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6439-6445.	0.8	140
34	Harvesting microalgae by flocculation—sedimentation. <i>Algal Research</i> , 2016, 13, 271-283.	2.4	140
35	Pneumatically Agitated Bioreactors in Industrial and Environmental Bioprocessing: Hydrodynamics, Hydraulics, and Transport Phenomena. <i>Applied Mechanics Reviews</i> , 1998, 51, 33-112.	4.5	138
36	Producing drugs from marine sponges. <i>Biotechnology Advances</i> , 2003, 21, 585-598.	6.0	136

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37	Protease production by <i>Aspergillus oryzae</i> in solid-state fermentation using agroindustrial substrates. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1012-1018.	1.6	135
38	Dynamics of phenol degradation by <i>Pseudomonas putida</i> . <i>Biotechnology and Bioengineering</i> , 1993, 41, 572-580.	1.7	128
39	Effects of agitation on the microalgae <i>Phaeodactylum tricornutum</i> and <i>Porphyridium cruentum</i> . <i>Bioprocess and Biosystems Engineering</i> , 2006, 28, 243-250.	1.7	124
40	Metabolic engineering of microorganisms for biofuel production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3863-3885.	8.2	124
41	Protein production using the baculovirus-insect cell expression system. <i>Biotechnology Progress</i> , 2014, 30, 1-18.	1.3	113
42	On the calculation of shear rate and apparent viscosity in airlift and bubble column bioreactors. <i>Biotechnology and Bioengineering</i> , 1989, 34, 1391-1392.	1.7	109
43	Ultrasound-assisted fermentation enhances bioethanol productivity. <i>Biochemical Engineering Journal</i> , 2011, 54, 141-150.	1.8	106
44	Cellulose and hemicellulose recovery from oil palm empty fruit bunch (EFB) fibers and production of sugars from the fibers. <i>Carbohydrate Polymers</i> , 2017, 155, 491-497.	5.1	106
45	Plasmid stability in recombinant <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Advances</i> , 1996, 14, 401-435.	6.0	100
46	Hydrodynamics and oxygen transfer in pneumatic bioreactor devices. <i>Biotechnology and Bioengineering</i> , 1988, 31, 487-494.	1.7	94
47	Applications of phototheranostic nanoagents in photodynamic therapy. <i>Nano Research</i> , 2015, 8, 1373-1394.	5.8	94
48	Potential fuel oils from the microalga <i>Choricystis minor</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 100-108.	1.6	93
49	Design of raceway ponds for producing microalgae. <i>Biofuels</i> , 2012, 3, 387-397.	1.4	92
50	Effects of pellet morphology on broth rheology in fermentations of <i>Aspergillus terreus</i> . <i>Biochemical Engineering Journal</i> , 2005, 26, 139-144.	1.8	90
51	Disruption of <i>Alcaligenes slatus</i> for Recovery of Poly(γ -hydroxybutyric acid): A Comparison of High-Pressure Homogenization, Bead Milling, and Chemically Induced Lysis. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 1807-1814.	1.8	88
52	Combined toxicity effects of MTBE and pesticides measured with <i>Vibrio fischeri</i> and <i>Daphnia magna</i> bioassays. <i>Water Research</i> , 2003, 37, 4091-4098.	5.3	88
53	Bioactives from microalgal dinoflagellates. <i>Biotechnology Advances</i> , 2012, 30, 1673-1684.	6.0	88
54	Fuels from microalgae. <i>Biofuels</i> , 2010, 1, 233-235.	1.4	83

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55	Carboxymethyl cellulose protects algal cells against hydrodynamic stress. <i>Enzyme and Microbial Technology</i> , 2001, 29, 602-610.	1.6	81
56	Tissue-type plasminogen activator: Characteristics, applications and production technology. <i>Biotechnology Advances</i> , 1996, 14, 239-266.	6.0	80
57	Mass transfer in external-loop airlift bioreactors using static mixers. <i>Canadian Journal of Chemical Engineering</i> , 1990, 68, 45-50.	0.9	79
58	Gas-liquid mass transfer in a novel forced circulation loop reactor. <i>Chemical Engineering Journal</i> , 2005, 112, 73-80.	6.6	78
59	Production of fructose from inulin using mixed inulinases from <i>Aspergillus niger</i> and <i>Candida guilliermondii</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 543-552.	1.7	71
60	Clean-in-place systems for industrial bioreactors: Design, validation and operation. <i>Journal of Industrial Microbiology</i> , 1994, 13, 201-207.	0.9	70
61	Large-Scale Production of Algal Biomass: Raceway Ponds. <i>Green Energy and Technology</i> , 2016, , 21-40.	0.4	69
62	A model of xylitol production by the yeast <i>Candida mogii</i> . <i>Bioprocess and Biosystems Engineering</i> , 2005, 28, 175-183.	1.7	66
63	Biomass and oil production by <i>Chlorella vulgaris</i> and four other microalgae – Effects of salinity and other factors. <i>Journal of Biotechnology</i> , 2017, 257, 47-57.	1.9	65
64	MICROALGAE AS SUSTAINABLE CELL FACTORIES. <i>Environmental Engineering and Management Journal</i> , 2006, 5, 261-274.	0.2	64
65	Fungal Isolates from a Pu-erh Type Tea Fermentation and Their Ability to Convert Tea Polyphenols to Theabrownins. <i>Journal of Food Science</i> , 2015, 80, M809-17.	1.5	63
66	Microbial production of poly- γ -glutamic acid. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 173.	1.7	63
67	Causes of shear sensitivity of the toxic dinoflagellate <i>Protoceratium reticulatum</i> . <i>Biotechnology Progress</i> , 2009, 25, 792-800.	1.3	62
68	Genetic and metabolic engineering for microbial production of poly- γ -glutamic acid. <i>Biotechnology Advances</i> , 2018, 36, 1424-1433.	6.0	62
69	Luxury uptake of phosphorus by microalgae in full-scale waste stabilisation ponds. <i>Water Science and Technology</i> , 2011, 63, 704-709.	1.2	60
70	Carbon-to-nitrogen ratio affects the biomass composition and the fatty acid profile of heterotrophically grown <i>Chlorella</i> sp. TISTR 8990 for biodiesel production. <i>Journal of Biotechnology</i> , 2015, 216, 169-177.	1.9	60
71	Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays. <i>Analytica Chimica Acta</i> , 2001, 426, 289-301.	2.6	59
72	A matter of detail: Assessing the true potential of microalgal biofuels. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2317-2322.	1.7	58

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73	Raceways-based Production of Algal Crude Oil. <i>Green</i> , 2013, 3, .	0.4	58
74	Production of theabrownins using a crude fungal enzyme concentrate. <i>Journal of Biotechnology</i> , 2016, 231, 250-259.	1.9	57
75	Production of l-phenylalanine from glycerol by a recombinant <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1267-1274.	1.4	56
76	Culture of <i>Saccharomyces cerevisiae</i> on hydrolyzed waste cassava starch for production of baking-quality yeast. <i>Enzyme and Microbial Technology</i> , 1996, 18, 519-525.	1.6	54
77	Characterization of shear rates in airlift bioreactors for animal cell culture. <i>Journal of Biotechnology</i> , 1997, 54, 195-210.	1.9	54
78	Retention of hemicellulose during delignification of oil palm empty fruit bunch (EFB) fiber with peracetic acid and alkaline peroxide. <i>Biomass and Bioenergy</i> , 2014, 66, 240-248.	2.9	54
79	Ultrasound assisted lipase catalyzed synthesis of poly-6-hydroxyhexanoate. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 659-667.	3.8	53
80	Toxicities of triclosan, phenol, and copper sulfate in activated sludge. <i>Environmental Toxicology</i> , 2005, 20, 160-164.	2.1	52
81	Optimization of lactic acid production by immobilized <i>Lactococcus lactis</i> IO-1. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007, 34, 381-391.	1.4	50
82	Effects of ultrasound on culture of <i>Aspergillus terreus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 593-600.	1.6	49
83	Photofermentive production of biohydrogen from oil palm waste hydrolysate. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4077-4087.	3.8	48
84	Comparative evaluation of the effects of pesticides in acute toxicity luminescence bioassays. <i>Analytica Chimica Acta</i> , 2002, 451, 195-202.	2.6	46
85	Coproduction of protease and amylase by thermophilic <i>Bacillus</i> sp. BBXS-2 using open solid-state fermentation of lignocellulosic biomass. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 8, 146-151.	1.5	46
86	Physicochemical properties and biological activities of a high-theabrownins instant Pu-erh tea produced using <i>Aspergillus tubingensis</i> . <i>LWT - Food Science and Technology</i> , 2018, 90, 598-605.	2.5	44
87	Fermentation of cellulosic materials to mycoprotein foods. <i>Biotechnology Advances</i> , 1993, 11, 469-479.	6.0	43
88	Artificial neural network modeling for predicting the growth of the microalga <i>Karlodinium veneticum</i> . <i>Algal Research</i> , 2016, 14, 58-64.	2.4	43
89	Production of polyunsaturated fatty acids by <i>Schizochytrium</i> (<i>Aurantiochytrium</i>) spp.. <i>Biotechnology Advances</i> , 2022, 55, 107897.	6.0	43
90	Pilot-scale bubble column photobioreactor culture of a marine dinoflagellate microalga illuminated with light emission diodes. <i>Bioresource Technology</i> , 2016, 216, 845-855.	4.8	42

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91	Influence of the gas-liquid separator design on hydrodynamic and mass transfer performance of split-channel airlift reactors. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 62, 327-332.	1.6	41
92	Bioconversion of tea polyphenols to bioactive theabrownins by <i>Aspergillus fumigatus</i> . <i>Biotechnology Letters</i> , 2014, 36, 2515-2522.	1.1	41
93	Production of poly- β -glutamic acid by glutamic acid-independent <i>Bacillus licheniformis</i> TISTR 1010 using different feeding strategies. <i>Biochemical Engineering Journal</i> , 2015, 100, 67-75.	1.8	41
94	Production of bioethanol by <i>Zymomonas mobilis</i> in high-gravity extractive fermentations. <i>Food and Bioprocess Technology</i> , 2017, 102, 123-135.	1.8	41
95	Mixotrophic production of polyunsaturated fatty acids and carotenoids by the microalga <i>Nannochloropsis gaditana</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 2823-2832.	1.5	41
96	Prediction of liquid circulation velocity in airlift reactors with biological media. <i>Journal of Chemical Technology and Biotechnology</i> , 1988, 42, 211-219.	1.6	40
97	Gas holdup and mixing characteristics of a novel forced circulation loop reactor. <i>Chemical Engineering Journal</i> , 2007, 131, 105-111.	6.6	39
98	Production of mycophenolic acid by <i>Penicillium brevicompactum</i> : A comparison of two methods of optimization. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 11, 77-85.	2.1	39
99	A recombinant vaccine against hydatidosis: production of the antigen in <i>Escherichia coli</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 173-182.	1.4	38
100	Pathogens and predators impacting commercial production of microalgae and cyanobacteria. <i>Biotechnology Advances</i> , 2022, 55, 107884.	6.0	38
101	Oil production by six microalgae: impact of flocculants and drying on oil recovery from the biomass. <i>Journal of Applied Phycology</i> , 2016, 28, 2697-2705.	1.5	35
102	Optimal C:N ratio for the production of red pigments by <i>Monascus ruber</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 2471-2479.	1.7	34
103	Photofermentive hydrogen production by <i>Rhodobacter sphaeroides</i> S10 using mixed organic carbon: Effects of the mixture composition. <i>Applied Energy</i> , 2015, 157, 245-254.	5.1	34
104	Production of eicosapentaenoic acid by <i>Nannochloropsis oculata</i> : Effects of carbon dioxide and glycerol. <i>Journal of Biotechnology</i> , 2016, 239, 47-56.	1.9	34
105	Effects of the hydrodynamic environment and shear protectants on survival of erythrocytes in suspension. <i>Journal of Biotechnology</i> , 1995, 43, 33-40.	1.9	32
106	Effects of surfactants on hydrodynamics and mass transfer in a split-cylinder airlift reactor. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 93-99.	0.9	32
107	Ultrasound mediated enzymatic hydrolysis of cellulose and carboxymethyl cellulose. <i>Biotechnology Progress</i> , 2013, 29, 1448-1457.	1.3	32
108	Optimal hydrodynamic design of tubular photobioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 55-61.	1.6	32

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109	Use of response surface method for maximizing the production of arginine deiminase by <i>Pseudomonas putida</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2016, 10, 29-37.	2.1	31
110	Ohmic heating pretreatment of algal slurry for production of biodiesel. <i>Journal of Biotechnology</i> , 2018, 267, 71-78.	1.9	31
111	Production and recovery of recombinant protease inhibitor α 1-antitrypsin. <i>Enzyme and Microbial Technology</i> , 2001, 29, 611-620.	1.6	30
112	Macronutrients requirements of the dinoflagellate <i>Protoceratium reticulatum</i> . <i>Harmful Algae</i> , 2009, 8, 239-246.	2.2	30
113	MULTIPHASE HYDRODYNAMICS AND SOLID-LIQUID MASS TRANSPORT IN AN EXTERNAL-LOOP AIRLIFT REACTOR—A COMPARATIVE STUDY. <i>Chemical Engineering Communications</i> , 1992, 113, 1-13.	1.5	29
114	Fermentative conversion of cellulosic substrates to microbial protein by <i>Neurospora sitophila</i> . <i>Biotechnology Letters</i> , 1992, 14, 863-868.	1.1	29
115	Spectrophotometric determination of mycelial biomass. <i>Biotechnology Letters</i> , 1993, 7, 313-316.	0.5	29
116	Optimization of oil extraction from <i>Nannochloropsis salina</i> biomass paste. <i>Algal Research</i> , 2016, 15, 100-109.	2.4	29
117	Future of bioethanol. <i>Biofuel Research Journal</i> , 0, , 147-147.	7.2	29
118	Axial inhomogeneities in steady-state dissolved oxygen in airlift bioreactors: predictive models. <i>Chemical Engineering Journal</i> , 2001, 84, 43-55.	6.6	28
119	Transesterification of primary and secondary alcohols using <i>Pseudomonas aeruginosa</i> lipase. <i>Bioresource Technology</i> , 2008, 99, 2116-2120.	4.8	28
120	Repeated fed-batch production of xylitol by <i>Candida magnoliae</i> TISTR 5663. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1121-1129.	1.6	28
121	Theabrownin from Pu-erh tea together with swinging exercise synergistically ameliorates obesity and insulin resistance in rats. <i>European Journal of Nutrition</i> , 2020, 59, 1937-1950.	1.8	28
122	Steady-state axial profiles of dissolved oxygen in tall bubble column bioreactors. <i>Chemical Engineering Science</i> , 1999, 54, 1711-1723.	1.9	27
123	Photoautotrophic Production of Lipids by Some <i>Chlorella</i> Strains. <i>Marine Biotechnology</i> , 2011, 13, 928-941.	1.1	27
124	Lipase catalyzed ultrasonic synthesis of poly-4-hydroxybutyrate-co-6-hydroxyhexanoate. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 937-947.	3.8	27
125	Continuous flocculation-sedimentation for harvesting <i>Nannochloropsis salina</i> biomass. <i>Journal of Biotechnology</i> , 2016, 222, 94-103.	1.9	27
126	Surfactant-mediated permeabilization of <i>Pseudomonas putida</i> KT2440 and use of the immobilized permeabilized cells in biotransformation. <i>Process Biochemistry</i> , 2017, 63, 113-121.	1.8	27

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127	Lovastatin inhibits its own synthesis in <i>Aspergillus terreus</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2004, 31, 48-50.	1.4	26
128	7 Raceways-based production of algal crude oil. , 2012, , 113-146.		26
129	Model of acetic acid-affected growth and poly(3-hydroxybutyrate) production by <i>Cupriavidus necator</i> DSM 545. <i>Journal of Biotechnology</i> , 2018, 268, 12-20.	1.9	26
130	High cell density fed-batch fermentations for lipase production: feeding strategies and oxygen transfer. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1527-1543.	1.7	25
131	Forward osmosis with waste glycerol for concentrating microalgae slurries. <i>Algal Research</i> , 2015, 8, 168-173.	2.4	25
132	Enhanced Production of Poly- γ -glutamic Acid by <i>Bacillus licheniformis</i> TISTR 1010 with Environmental Controls. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 990-999.	1.4	25
133	Considerations for Designing Bioreactors for Shear-sensitive Culture. <i>Nature Biotechnology</i> , 1988, 6, 1291-1296.	9.4	24
134	Comparative evaluation of compact photobioreactors for large-scale monoculture of microalgae. <i>Progress in Industrial Microbiology</i> , 1999, , 249-270.	0.0	24
135	Production of Mycophenolic Acid by <i>Penicillium brevicompactum</i> Using Solid State Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 97-109.	1.4	24
136	Production of renewable biohydrogen by <i>Rhodobacter sphaeroides</i> S10: A comparison of photobioreactors. <i>Journal of Cleaner Production</i> , 2018, 181, 318-328.	4.6	24
137	Statistical optimization of lipid production by the diatom <i>Gyrodinium aureolum</i> sp. grown in industrial wastewater. <i>Journal of Applied Phycology</i> , 2020, 32, 375-387.	1.5	24
138	Repeated-batch production of hydrogen using <i>Rhodobacter sphaeroides</i> S10. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15855-15866.	3.8	23
139	Ultrasonic disruption of <i>Pseudomonas putida</i> for the release of arginine deiminase: Kinetics and predictive models. <i>Bioresource Technology</i> , 2017, 233, 74-83.	4.8	23
140	Production of carotenoids and lipids by <i>Rhodococcus opacus</i> PD630 in batch and fed-batch culture. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 133-143.	1.7	23
141	Biotransformation of 3-cyanopyridine to nicotinic acid by free and immobilized cells of recombinant <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2014, 49, 655-659.	1.8	22
142	Effects of shear rate, photoautotrophy and photoheterotrophy on production of biomass and pigments by <i>Chlorella vulgaris</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2453-2459.	1.6	22
143	In-vitro assessment of probiotic potential of <i>Lactobacillus plantarum</i> WU-P19 isolated from a traditional fermented herb. <i>Annals of Microbiology</i> , 2018, 68, 79-91.	1.1	22
144	Lovastatin production by <i>Aspergillus terreus</i> in a two-staged feeding operation. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1236-1243.	1.6	21

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145	Stereoselective biocatalytic hydride transfer to substituted acetophenones by the yeast <i>Metschnikowia koreensis</i> . <i>Process Biochemistry</i> , 2012, 47, 2398-2404.	1.8	21
146	Shear-induced changes in membrane fluidity during culture of a fragile dinoflagellate microalga. <i>Biotechnology Progress</i> , 2012, 28, 467-473.	1.3	20
147	Biomass and lipid production by <i>Rhodococcus opacus</i> PD630 in molasses-based media with and without osmotic-stress. <i>Journal of Biotechnology</i> , 2019, 297, 1-8.	1.9	20
148	An optimal culture medium for growing <i>Karlodinium veneficum</i> : Progress towards a microalgal dinoflagellate-based bioprocess. <i>Algal Research</i> , 2015, 10, 177-182.	2.4	19
149	A model of furfural-inhibited growth and xylitol production by <i>Candida magnoliae</i> TISTR 5663. <i>Food and Bioproducts Processing</i> , 2017, 105, 129-140.	1.8	19
150	Flocculation and electroflocculation for algal biomass recovery. , 2019, , 257-286.		19
151	Production of Renewable Lipids by the Diatom <i>Amphora copulata</i> . <i>Fermentation</i> , 2021, 7, 37.	1.4	19
152	Animal cell culture in stirred bioreactors: observations on scale-up. <i>Process Biochemistry</i> , 1993, 28, 511-517.	1.8	18
153	Gas Holdup, Liquid Circulation and Mixing Behaviour of Viscous Newtonian Media in a Split-Cylinder Airlift Bioreactor. <i>Food and Bioproducts Processing</i> , 1999, 77, 27-32.	1.8	18
154	PROCESS HYGIENE Modern Systems of Plant Cleaning. , 1999, , 1806-1815.		18
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