

Yong Keun Chang

List of Publications by Year in descending order

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165
papers

5,558
citations

81743

39
h-index

110170

64
g-index

170
all docs

170
docs citations

170
times ranked

5371
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas9-induced knockout and knock-in mutations in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2016, 6, 27810.	1.6	315
2	Production of poly(3-hydroxybutyric acid) by fed-batch culture of <i>Alcaligenes eutrophus</i> with glucose concentration control. <i>Biotechnology and Bioengineering</i> , 1994, 43, 892-898.	1.7	294
3	Cell disruption and lipid extraction for microalgal biorefineries: A review. <i>Bioresource Technology</i> , 2017, 244, 1317-1328.	4.8	255
4	Optimization of microbial poly(3-hydroxybutyrate) recover using dispersions of sodium hypochlorite solution and chloroform. <i>Biotechnology and Bioengineering</i> , 1994, 44, 256-261.	1.7	196
5	Lactic acid recovery using two-stage electrodialysis and its modelling. <i>Journal of Membrane Science</i> , 1998, 145, 53-66.	4.1	175
6	Production of poly(3-hydroxybutyrate) by high cell density fed-batch culture of <i>Alcaligenes eutrophus</i> with phosphate limitation. , 1997, 55, 28-32.		162
7	Desulfurization of Dibenzothiophene and Diesel Oils by a Newly Isolated <i>Gordona</i> Strain, CYKS1. <i>Applied and Environmental Microbiology</i> , 1998, 64, 2327-2331.	1.4	159
8	Preparation and characterization of poly(hydroxybutyrate-co-hydroxyvalerate)-organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2003, 90, 525-529.	1.3	133
9	High-rate continuous production of lactic acid by <i>Lactobacillus rhamnosus</i> in a two-stage membrane cell-recycle bioreactor. <i>Biotechnology and Bioengineering</i> , 2001, 73, 25-34.	1.7	119
10	Effects of overexpression of a bHLH transcription factor on biomass and lipid production in <i>Nannochloropsis salina</i> . <i>Biotechnology for Biofuels</i> , 2015, 8, 200.	6.2	112
11	Current status and perspectives of genome editing technology for microalgae. <i>Biotechnology for Biofuels</i> , 2017, 10, 267.	6.2	102
12	Increased lipid production by heterologous expression of AtWRI1 transcription factor in <i>Nannochloropsis salina</i> . <i>Biotechnology for Biofuels</i> , 2017, 10, 231.	6.2	85
13	Enhancement of biomass and lipid productivity by overexpression of a bZIP transcription factor in <i>Nannochloropsis salina</i> . <i>Biotechnology and Bioengineering</i> , 2018, 115, 331-340.	1.7	82
14	Truncated light-harvesting chlorophyll antenna size in <i>Chlorella vulgaris</i> improves biomass productivity. <i>Journal of Applied Phycology</i> , 2016, 28, 3193-3202.	1.5	77
15	Enhanced carbon utilization efficiency and FAME production of <i>Chlorella</i> sp. HS2 through combined supplementation of bicarbonate and carbon dioxide. <i>Energy Conversion and Management</i> , 2018, 156, 45-52.	4.4	73
16	Exploration of two-stage cultivation strategies using nitrogen starvation to maximize the lipid productivity in <i>Chlorella</i> sp. HS2. <i>Bioresource Technology</i> , 2019, 276, 110-118.	4.8	71
17	Removal of organic acid salts from simulated fermentation broth containing succinate by nanofiltration. <i>Journal of Membrane Science</i> , 2005, 246, 49-57.	4.1	69
18	Desulfurization of Diesel Oils by a Newly Isolated Dibenzothiophene-Degrading <i>Nocardia</i> sp. Strain CYKS2. <i>Biotechnology Progress</i> , 1998, 14, 851-855.	1.3	68

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19	Desulfurization of light gas oil in immobilized-cell systems of <i>Gordona</i> sp. CYKS1 and <i>Nocardia</i> sp. CYKS2. <i>FEMS Microbiology Letters</i> , 2000, 182, 309-312.	0.7	68
20	Wet in situ transesterification of microalgae using ethyl acetate as a co-solvent and reactant. <i>Bioresource Technology</i> , 2017, 230, 8-14.	4.8	67
21	Recombinant <i>Ralstonia eutropha</i> engineered to utilize xylose and its use for the production of poly(3-hydroxybutyrate) from sunflower stalk hydrolysate solution. <i>Microbial Cell Factories</i> , 2016, 15, 95.	1.9	66
22	Fermentative production of succinic acid from glucose and corn steep liquor by <i>Anaerobiospirillum succiniciproducens</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2000, 5, 379-381.	1.4	65
23	Axenic cultures for microalgal biotechnology: Establishment, assessment, maintenance, and applications. <i>Biotechnology Advances</i> , 2018, 36, 380-396.	6.0	64
24	Ethanol Production Using Concentrated Oak Wood Hydrolysates and Methods to Detoxify. <i>Applied Biochemistry and Biotechnology</i> , 1999, 78, 547-560.	1.4	63
25	Economical DHA (Docosahexaenoic acid) production from <i>Aurantiochytrium</i> sp. KRS101 using orange peel extract and low cost nitrogen sources. <i>Algal Research</i> , 2018, 29, 71-79.	2.4	58
26	Effect of operating parameters on precipitation for recovery of lactic acid from calcium lactate fermentation broth. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1969-1974.	1.2	57
27	Cloning, expression, and biochemical characterization of a novel GH16 β -agarase AgaG1 from <i>Alteromonas</i> sp. GNUM-1. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 4545-4555.	1.7	57
28	Separation of galactose, 5-hydroxymethylfurfural and levulinic acid in acid hydrolysate of agarose by nanofiltration and electrodialysis. <i>Bioresource Technology</i> , 2013, 140, 64-72.	4.8	55
29	Metabolic engineering of a novel <i>Klebsiella oxytoca</i> strain for enhanced 2,3-butanediol production. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 186-192.	1.1	53
30	Production of a Desulfurization Biocatalyst by Two-Stage Fermentation and Its Application for the Treatment of Model and Diesel Oils. <i>Biotechnology Progress</i> , 2001, 17, 876-880.	1.3	51
31	Ethanol production from galactose by a newly isolated <i>Saccharomyces cerevisiae</i> KL17. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1871-1878.	1.7	50
32	A new method to produce cellulose nanofibrils from microalgae and the measurement of their mechanical strength. <i>Carbohydrate Polymers</i> , 2018, 180, 276-285.	5.1	46
33	Adaptive control of dissolved oxygen concentration in a bioreactor. <i>Biotechnology and Bioengineering</i> , 1991, 37, 597-607.	1.7	45
34	Desulfurization of model and diesel oils by resting cells of <i>Gordona</i> sp.. <i>Biotechnology Letters</i> , 2000, 22, 193-196.	1.1	45
35	Recovery of poly(3-hydroxybutyrate) from high cell density culture of <i>Ralstonia eutropha</i> by direct addition of sodium dodecyl sulfate. <i>Biotechnology Letters</i> , 2003, 25, 55-59.	1.1	44
36	Acidic pH shock induces the expressions of a wide range of stress-response genes. <i>BMC Genomics</i> , 2008, 9, 604.	1.2	44

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37	Cultivation of <i>Chlorella vulgaris</i> with swine wastewater and potential for algal biodiesel production. <i>Journal of Applied Phycology</i> , 2017, 29, 1171-1178.	1.5	43
38	Continuous Ethanol Production from Concentrated Wood Hydrolysates in an Internal Membrane-Filtration Bioreactor. <i>Biotechnology Progress</i> , 2000, 16, 302-304.	1.3	42
39	Evaluation of various harvesting methods for high-density microalgae, <i>Aurantiochytrium</i> sp. KRS101. <i>Bioresource Technology</i> , 2015, 198, 828-835.	4.8	42
40	2,3-Butanediol recovery from fermentation broth by alcohol precipitation and vacuum distillation. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 464-470.	1.1	41
41	Improvement of biomass and lipid yield under stress conditions by using diploid strains of <i>Chlamydomonas reinhardtii</i> . <i>Algal Research</i> , 2017, 26, 180-189.	2.4	41
42	Hybrid operation of photobioreactor and wastewater-fed open raceway ponds enhances the dominance of target algal species and algal biomass production. <i>Algal Research</i> , 2018, 29, 319-329.	2.4	38
43	A physiological study on growth and dibenzothiophene (DBT) desulfurization characteristics of <i>Gordonia</i> sp. CYKS1. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 436-441.	1.2	35
44	Heterologous expression of a newly screened β -agarase from <i>Alteromonas</i> sp. GNUM1 in <i>Escherichia coli</i> and its application for agarose degradation. <i>Process Biochemistry</i> , 2014, 49, 430-436.	1.8	34
45	Effect of pH on the extraction characteristics of succinic and formic acids with Tri-n-octylamine dissolved in 1-octanol. <i>Biotechnology and Bioprocess Engineering</i> , 2001, 6, 347-351.	1.4	33
46	pH shock induces overexpression of regulatory and biosynthetic genes for actinorhodin production in <i>Streptomyces coelicolor</i> A3(2). <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 1119-1130.	1.7	33
47	Transcriptional Regulation of Cellulose Biosynthesis during the Early Phase of Nitrogen Deprivation in <i>Nannochloropsis salina</i> . <i>Scientific Reports</i> , 2017, 7, 5264.	1.6	32
48	Optimization of heterotrophic cultivation of <i>Chlorella</i> sp. HS2 using screening, statistical assessment, and validation. <i>Scientific Reports</i> , 2019, 9, 19383.	1.6	30
49	Selective removal of rotifers in microalgae cultivation using hydrodynamic cavitation. <i>Algal Research</i> , 2017, 28, 24-29.	2.4	29
50	Effects of Fatty Acid Compositions on Heavy Oligomer Formation and Catalyst Deactivation during Deoxygenation of Triglycerides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17168-17177.	3.2	29
51	Heterologous overexpression of sfCherry fluorescent protein in <i>Nannochloropsis salina</i> . <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015, 8, 10-15.	2.1	28
52	Statistical optimization of light intensity and CO ₂ concentration for lipid production derived from attached cultivation of <i>Agaricella</i> microalga <i>Ettlia</i> sp.. <i>Scientific Reports</i> , 2018, 8, 15390.	1.6	28
53	Carbon balance of major volatile fatty acids (VFAs) in recycling algal residue via a VFA-platform for reproduction of algal biomass. <i>Journal of Environmental Management</i> , 2019, 237, 228-234.	3.8	28
54	Pilot scale production of poly(3-hydroxybutyrate-co-3-hydroxy-valerate) by fed-batch culture of recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2002, 7, 371-374.	1.4	27

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55	Performance evaluation of different cationic flocculants through pH modulation for efficient harvesting of <i>Chlorella</i> sp. HS2 and their impact on water reusability. <i>Renewable Energy</i> , 2019, 136, 819-827.	4.3	27
56	Heterologous synthesis of chlorophyll b in <i>Nannochloropsis salina</i> enhances growth and lipid production by increasing photosynthetic efficiency. <i>Biotechnology for Biofuels</i> , 2019, 12, 122.	6.2	27
57	Enhancement of lipid production in <i>Nannochloropsis salina</i> by overexpression of endogenous NADP-dependent malic enzyme. <i>Algal Research</i> , 2021, 54, 102218.	2.4	27
58	Enhancement of lipid productivity by adopting multi-stage continuous cultivation strategy in <i>Nannochloropsis gaditana</i> . <i>Bioresource Technology</i> , 2017, 229, 20-25.	4.8	26
59	Evaluation of the potential of <i>Chlorella</i> sp. HS2, an algal isolate from a tidal rock pool, as an industrial algal crop under a wide range of abiotic conditions. <i>Journal of Applied Phycology</i> , 2019, 31, 2245-2258.	1.5	26
60	Biocatalytic Desulfurization of Diesel Oil in an Air-Lift Reactor with Immobilized <i>Gordonia nitida</i> CYKS1 Cells. <i>Biotechnology Progress</i> , 2008, 21, 781-785.	1.3	25
61	High shear-assisted solvent extraction of lipid from wet biomass of <i>Aurantiochytrium</i> sp. KRS101. <i>Separation and Purification Technology</i> , 2019, 227, 115666.	3.9	25
62	Effect of post-treatment process of microalgal hydrolysate on bioethanol production. <i>Scientific Reports</i> , 2020, 10, 16698.	1.6	25
63	Production of 5-hydroxymethylfurfural from agarose by using a solid acid catalyst in dimethyl sulfoxide. <i>RSC Advances</i> , 2015, 5, 47983-47989.	1.7	24
64	Dissolved oxygen concentration regulation using auto-tuning proportional-integral-derivative controller in fermentation process. <i>Biotechnology Letters</i> , 1991, 5, 85-90.	0.5	23
65	Recovery of lactic acid from fermentation broth by the two-stage process of nanofiltration and water-splitting electrodialysis. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 313-318.	1.4	23
66	Isolation, phenotypic characterization and genome wide analysis of a <i>Chlamydomonas reinhardtii</i> strain naturally modified under laboratory conditions: towards enhanced microalgal biomass and lipid production for biofuels. <i>Biotechnology for Biofuels</i> , 2017, 10, 308.	6.2	23
67	MAPK/ERK and JNK pathways regulate lipid synthesis and cell growth of <i>Chlamydomonas reinhardtii</i> under osmotic stress, respectively. <i>Scientific Reports</i> , 2018, 8, 13857.	1.6	23
68	Increased biomass and lipid production by continuous cultivation of <i>Nannochloropsis salina</i> transformant overexpressing a bHLH transcription factor. <i>Biotechnology and Bioengineering</i> , 2019, 116, 555-568.	1.7	23
69	Enhancement of phase separation by the addition of de-emulsifiers to three-phase (diesel) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 73-77.	1.1	22
70	Application of a Dowex-50WX8 chromatographic process to the preparative-scale separation of galactose, levulinic acid, and 5-hydroxymethylfurfural in acid hydrolysate of agarose. <i>Separation and Purification Technology</i> , 2014, 133, 297-302.	3.9	22
71	Development of a pVEC peptide-based ribonucleoprotein (RNP) delivery system for genome editing using CRISPR/Cas9 in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2020, 10, 22158.	1.6	22
72	Enhancement of Kasugamycin Production by pH Shock in Batch Cultures of <i>Streptomyces kasugaensis</i> . <i>Biotechnology Progress</i> , 2000, 16, 548-552.	1.3	21

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73	A mathematical model of intracellular behavior of microalgae for predicting growth and intracellular components syntheses under nutrientâ€replete and â€deplete conditions. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2441-2455.	1.7	21
74	Development and characterization of a <i>Nannochloropsis</i> mutant with simultaneously enhanced growth and lipid production. <i>Biotechnology for Biofuels</i> , 2020, 13, 38.	6.2	21
75	Synergistic interaction between metal ions in the sea salts and the extracellular polymeric substances for efficient microalgal harvesting. <i>Algal Research</i> , 2016, 14, 79-82.	2.4	20
76	Application of biosurfactant from <i>Bacillus subtilis</i> C9 for controlling cladoceran grazers in algal cultivation systems. <i>Scientific Reports</i> , 2018, 8, 5365.	1.6	20
77	Light intensity control as a strategy to improve lipid productivity in <i>Chlorella</i> sp. HS2 for biodiesel production. <i>Biomass and Bioenergy</i> , 2019, 126, 211-219.	2.9	20
78	Recovery of Ammonium Lactate and Removal of Hardness from Fermentation Broth by Nanofiltration. <i>Biotechnology Progress</i> , 2004, 20, 764-770.	1.3	19
79	Size-dependent flocculation behavior of colloidal Au nanoparticles modified with various biomolecules. <i>Ultramicroscopy</i> , 2008, 108, 1273-1277.	0.8	19
80	Simultaneous cell disruption and lipid extraction of wet <i>aurantiochytrium</i> sp. KRS101 using a high shear mixer. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 671-678.	1.7	19
81	A hydrogel-coated membrane for highly efficient separation of microalgal bio-lipid. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1319-1327.	1.2	18
82	Wavelength shift strategy to enhance lipid productivity of <i>Nannochloropsis gaditana</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 70.	6.2	18
83	Turbulent jet-assisted microfiltration for energy efficient harvesting of microalgae. <i>Journal of Membrane Science</i> , 2019, 575, 170-178.	4.1	18
84	Utilization of the acid hydrolysate of defatted <i>Chlorella</i> biomass as a sole fermentation substrate for the production of biosurfactant from <i>Bacillus subtilis</i> C9. <i>Algal Research</i> , 2020, 47, 101868.	2.4	18
85	Efficient solvothermal wet in situ transesterification of <i>Nannochloropsis gaditana</i> for biodiesel production. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 723-730.	1.7	17
86	Design and Evaluation of Sustainable Lactide Production Process with an One-Step Gas Phase Synthesis Route. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6178-6184.	3.2	17
87	Continuous Culture of Immobilized <i>Streptomyces</i> Cells for Kasugamycin Production. <i>Biotechnology Progress</i> , 2001, 17, 453-461.	1.3	16
88	Production of Soluble Human Interleukin-6 in Cytoplasm by Fed-Batch Culture of Recombinant <i>E. coli</i> . <i>Biotechnology Progress</i> , 2008, 21, 524-531.	1.3	16
89	Production of 2,3â€butanediol by <i>Klebsiella oxytoca</i> from various sugars in microalgal hydrolysate. <i>Biotechnology Progress</i> , 2015, 31, 1669-1675.	1.3	16
90	Production of high-purity fucose from the seaweed of <i>Undaria pinnatifida</i> through acid-hydrolysis and simulated-moving bed purification. <i>Separation and Purification Technology</i> , 2019, 213, 133-141.	3.9	16

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91	Solvent screening and process optimization for high shear-assisted lipid extraction from wet cake of <i>Nannochloropsis</i> sp.. <i>Renewable Energy</i> , 2020, 149, 1395-1405.	4.3	16
92	Enhancement of stress tolerance and ethanol production in <i>Saccharomyces cerevisiae</i> by heterologous expression of a trehalose biosynthetic gene from <i>Streptomyces albus</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 986-996.	1.4	15
93	Harvesting of <i>Scenedesmus obliquus</i> cultivated in seawater using electro-flotation. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 62-65.	1.2	15
94	Optimum Utilization of Biochemical Components in <i>Chlorella</i> sp. KR1 via Subcritical Hydrothermal Liquefaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7240-7248.	3.2	15
95	Optimization of electroporation-based multiple pulses and further improvement of transformation efficiency using bacterial conditioned medium for <i>Nannochloropsis salina</i> . <i>Journal of Applied Phycology</i> , 2019, 31, 1153-1161.	1.5	15
96	Dynamical Modeling of Water Flux in Forward Osmosis with Multistage Operation and Sensitivity Analysis of Model Parameters. <i>Water (Switzerland)</i> , 2020, 12, 31.	1.2	15
97	Characteristics and performance of an autotuning proportional integral derivative controller for dissolved oxygen concentration. <i>Biotechnology Progress</i> , 1994, 10, 447-450.	1.3	14
98	Bioethanol production by heterologous expression of Pdc and AdhII in <i>Streptomyces lividans</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6089-6097.	1.7	14
99	Production of DagA and ethanol by sequential utilization of sugars in a mixed-sugar medium simulating microalgal hydrolysate. <i>Bioresource Technology</i> , 2015, 191, 414-419.	4.8	14
100	Economically Efficient Synthesis of Lactide Using a Solid Catalyst. <i>Organic Process Research and Development</i> , 2017, 21, 1980-1984.	1.3	14
101	Recovery of Poly(3-hydroxybutyrate) from Coagulated <i>Ralstonia eutropha</i> Using a Chemical Digestion Method. <i>Biotechnology Progress</i> , 2000, 16, 676-679.	1.3	13
102	Agarose hydrolysis by two-stage enzymatic process and bioethanol production from the hydrolysate. <i>Process Biochemistry</i> , 2016, 51, 759-764.	1.8	13
103	Metabolic engineering of <i>Klebsiella pneumoniae</i> and in silico investigation for enhanced 2,3-butanediol production. <i>Biotechnology Letters</i> , 2016, 38, 975-982.	1.1	13
104	Safe-Harboring based novel genetic toolkit for <i>Nannochloropsis salina</i> CCMP1776: Efficient overexpression of transgene via CRISPR/Cas9-Mediated Knock-in at the transcriptional hotspot. <i>Bioresource Technology</i> , 2021, 340, 125676.	4.8	13
105	Towards Managing Food-Web Structure and Algal Crop Diversity in Industrial-Scale Algal Biomass Production. <i>Current Biotechnology</i> , 2016, 5, 118-129.	0.2	13
106	Directed evolution of <i>Chlorella</i> sp. HS2 towards enhanced lipid accumulation by ethyl methanesulfonate mutagenesis in conjunction with fluorescence-activated cell sorting based screening. <i>Fuel</i> , 2022, 316, 123410.	3.4	13
107	Development of Sporulation/Immobilization Method and Its Application for the Continuous Production of Cyclosporin A by <i>Tolypocladium inflatum</i> . <i>Biotechnology Progress</i> , 1997, 13, 546-550.	1.3	12
108	Simulated moving bed separation of agarose-hydrolyzate components for biofuel production from marine biomass. <i>Journal of Chromatography A</i> , 2015, 1406, 231-243.	1.8	12

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109	Harvesting of <i>Scenedesmus obliquus</i> using dynamic filtration with a perforated disk. <i>Journal of Membrane Science</i> , 2016, 517, 14-20.	4.1	12
110	Advanced multigene expression system for <i>Nannochloropsis salina</i> using 2A self-cleaving peptides. <i>Journal of Biotechnology</i> , 2018, 278, 39-47.	1.9	12
111	Hydrolysis of Lipid-Extracted <i>Chlorella vulgaris</i> by Simultaneous Use of Solid and Liquid Acids. <i>Biotechnology Progress</i> , 2019, 35, e2729.	1.3	12
112	Genetic Impairment of Cellulose Biosynthesis Increases Cell Wall Fragility and Improves Lipid Extractability from Oleaginous Alga <i>Nannochloropsis salina</i> . <i>Microorganisms</i> , 2020, 8, 1195.	1.6	12
113	Strategic implementation of phosphorus repletion strategy in continuous two-stage cultivation of <i>Chlorella</i> sp. HS2: Evaluation for biofuel applications. <i>Journal of Environmental Management</i> , 2020, 271, 111041.	3.8	12
114	Engineering of <i>Klebsiella oxytoca</i> for production of 2,3-butanediol using mixed sugars derived from lignocellulosic hydrolysates. <i>GCB Bioenergy</i> , 2020, 12, 275-286.	2.5	12
115	Heterotrophic cultivation of <i>Ettlia</i> sp. based on sequential hydrolysis of <i>Helianthus tuberosus</i> and algal residue. <i>Energy Conversion and Management</i> , 2020, 211, 112769.	4.4	12
116	Photoautotrophic organic acid production: Glycolic acid production by microalgal cultivation. <i>Chemical Engineering Journal</i> , 2022, 433, 133636.	6.6	12
117	Efficient transformation of <i>Klebsiella oxytoca</i> by electroporation. <i>Biotechnology and Bioprocess Engineering</i> , 1998, 3, 48-49.	1.4	11
118	Modeling of ammonium lactate recovery and impurity removal from simulated fermentation broth by nanofiltration. <i>Journal of Membrane Science</i> , 2012, 396, 110-118.	4.1	11
119	Development of an efficient process for recovery of fucose in a multi-component mixture of monosugars stemming from defatted microalgal biomass. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 185-195.	2.9	11
120	Increased biomass and lipid production of <i>Ettlia</i> sp. YC001 by optimized C and N sources in heterotrophic culture. <i>Scientific Reports</i> , 2019, 9, 6830.	1.6	11
121	Production of DagA, a $\frac{1}{2}$ -Agarase, by <i>Streptomyces lividans</i> in Glucose Medium or Mixed-Sugar Medium Simulating Microalgae Hydrolysate. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 1622-1628.	0.9	11
122	Effects of Nitrogen Supplementation Status on CO ₂ Biofixation and Biofuel Production of the Promising Microalga <i>Chlorella</i> sp. ABC-001. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 1235-1243.	0.9	11
123	By-product formation in cell-recycled continuous culture of <i>Lactobacillus casei</i> . <i>Biotechnology Letters</i> , 1997, 19, 237-240.	1.1	10
124	Comparison and optimization of poly(3-hydroxybutyrate) recovery from <i>Alcaligenes eutrophus</i> and recombinant <i>Escherichia coli</i> . <i>Korean Journal of Chemical Engineering</i> , 1998, 15, 51-55.	1.2	10
125	Effects of dissolved oxygen control on cell growth and exopolysaccharides production in batch culture of <i>Agaricus blazei</i> . <i>Korean Journal of Chemical Engineering</i> , 2005, 22, 80-84.	1.2	10
126	Engineering of <i>Klebsiella oxytoca</i> for production of 2,3-butanediol via simultaneous utilization of sugars from a <i>Golenkinia</i> sp. hydrolysate. <i>Bioresource Technology</i> , 2017, 245, 1386-1392.	4.8	10

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127	Metabolic Engineering Strategies for the Enhanced Microalgal Production of Long-Chain Polyunsaturated Fatty Acids (LC-PUFAs). <i>Biotechnology Journal</i> , 2019, 14, e1900043.	1.8	10
128	Removal of potassium chloride by nanofiltration from ion-exchanged solution containing potassium clavulanate. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 149-158.	1.7	9
129	Hydrodynamic cavitation for bacterial disinfection and medium recycling for sustainable <i>Ettlia</i> sp. cultivation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105411.	3.3	8
130	On-line estimation of cell growth from agitation speed in DO-stat culture of a filamentous microorganism, <i>Agaricus blazei</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 571-575.	1.4	7
131	Recovery of potassium clavulanate from fermentation broth by ion exchange chromatography and desalting electrodialysis. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 803-810.	1.4	7
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