

Ho Nam Chang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

246
papers

7,931
citations

47
h-index

79
g-index

253
ext. papers

8,387
ext. citations

4.3
avg, IF

5.61
L-index

#	Paper	IF	Citations
246	Volatile Fatty Acids from Lipid-Extracted Yeast Provide Additional Feedstock for Microbial Lipid Production. <i>Catalysts</i> , 2021 , 11, 1009	4	1
245	Chang approximation for the osmotic pressure of dilute to concentrated solutions. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 583-587	2.8	
244	Engineering <i>Trichosporon oleaginosus</i> for enhanced production of lipid from volatile fatty acids as carbon source. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 903-908	2.8	5
243	Mass Production of Full-Length IgG Monoclonal Antibodies from Mammalian, Yeast, and Bacterial Hosts 2018 , 679-695		2
242	Biosynthesis and Applications of Silver Nanoparticles 2018 , 579-590		1
241	Bacterial Biofertilizers: High Density Cultivation 2018 , 429-439		1
240	Advanced Short Tandem Repeat Genotyping for Forensic Human Identification 2018 , 509-529		0
239	Biopolymers Based on Raw Materials from Biomass 2018 , 399-427		
238	Metabolic Engineering of Solventogenic Clostridia for Butanol Production 2018 , 331-348		
237	Bioelectronic Nose 2018 , 477-496		2
236	Noninvasive Optical Imaging Techniques in Clinical Application 2018 , 497-508		2
235	Smart Drug Delivery Devices and Implants 2018 , 593-605		
234	Advanced Genetic Fusion Techniques for Improving the Pharmacokinetic Properties of Biologics 2018 , 645-654		
233	DNA Microarray-Based Technologies to Genotype Single Nucleotide Polymorphisms 2018 , 531-556		1
232	Bioengineered Cell-Derived Vesicles as Drug Delivery Carriers 2018 , 631-643		
231	Software Applications for Phenotype Analysis and Strain Design of Cellular Systems 2018 , 771-791		3
230	Advanced Genetic Engineering of Microbial Cells for Biosensing Applications 2018 , 465-476		

229	Metabolic Engineering of Microorganisms for the Production of Lactate-Containing Polyesters 2018 , 349-357	
228	Recent Advances in Mass Spectrometry-Based Proteomic Methods for Discovery of Protein Biomarkers for Complex Human Diseases 2018 , 697-712	
227	Mussel-Mimetic Biomaterials for Tissue Engineering Applications 2018 , 655-677	
226	Bioprocess Simulation and Scheduling 2018 , 723-760	
225	Genome Editing Tools for Escherichia coli and Their Application in Metabolic Engineering and Synthetic Biology 2018 , 307-319	2
224	Metabolism-Combined Growth Model Construction and Its Application to Optimal Bioreactor Operation 2018 , 761-769	
223	Introduction to Emerging Areas in Bioengineering 2018 , 3-20	1
222	Bioengineering of Microbial Fuel Cells: From Extracellular Electron Transfer Pathway to Electroactive Biofilm 2018 , 295-303	
221	Application of Lactic Acid Bacteria for Food Biotechnology 2018 , 375-398	6
220	Advanced Applications of Nanoscale Measuring System for Biosensors 2018 , 557-578	
219	Whole Cell Biocatalysts Using Enzymes Displayed on Yeast Cell Surface 2018 , 81-92	3
218	Volatile Fatty Acid Platform: Concept and Application 2018 , 173-190	13
217	Biological Pretreatment of Lignocellulosic Biomass for Volatile Fatty Acid Production 2018 , 191-201	5
216	Microbial Lipid Production from Volatile Fatty Acids by Oleaginous Yeast 2018 , 203-213	1
215	Gasification Technologies for Lignocellulosic Biomass 2018 , 215-254	1
214	Separation of Butanol, Acetone, and Ethanol 2018 , 255-285	8
213	Overview of Microalgae-Based Carbon Capture and Utilization 2018 , 287-294	
212	Synthetic Biology for Corynebacterium glutamicum: An Industrial Host for White Biotechnology 2018 , 321-329	

211	Over-Expression of Functionally Active Inclusion Bodies of Enzymes in Recombinant Escherichia coli 2018 , 21-33		1
210	Microbial Metabolic Engineering for Production of Food Ingredients 2018 , 359-372		2
209	Current Research in Korean Herbal Cosmetics 2018 , 441-462		
208	Enzymatic Reactions in Ionic Liquids 2018 , 35-65		2
207	Controlled Delivery Systems of Protein and Peptide Therapeutics 2018 , 607-616		
206	Cell Delivery Systems Using Biomaterials 2018 , 617-630		
205	Enzyme Immobilization on Nanoparticles: Recent Applications 2018 , 67-80		9
204	Overview on Bioprocess Simulation 2018 , 715-722		
203	Metabolic Network Modeling for Computer-Aided Design of Microbial Interactions 2018 , 793-801		5
202	Design of Artificial Supramolecular Protein Assemblies by Enzymatic Bioconjugation for Biocatalytic Reactions 2018 , 93-103		
201	Production of Valuable Phenolic Compounds from Lignin by Biocatalysis: State-of-the-Art Perspective 2018 , 105-123		3
200	Biofuels, Bio-Power, and Bio-Products from Sustainable Biomass: Coupling Energy Crops and Organic Waste with Clean Energy Technologies 2018 , 127-161		1
199	Potential Lignocellulosic Biomass Resources in ASEAN Countries 2018 , 163-172		
198	Enhanced microbial lipid production by <i>Cryptococcus albidus</i> in the high-cell-density continuous cultivation with membrane cell recycling and two-stage nutrient limitation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018 , 45, 1045-1051	4.2	13
197	Production of microbial lipid by <i>Cryptococcus curvatus</i> on rice straw hydrolysates. <i>Process Biochemistry</i> , 2017 , 56, 147-153	4.8	38
196	Optimization of volatile fatty acids and hydrogen production from <i>Saccharina japonica</i> : acidogenesis and molecular analysis of the resulting microbial communities. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 3327-37	5.7	27
195	A comprehensive study on volatile fatty acids production from rice straw coupled with microbial community analysis. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 1157-66	3.7	16
194	Enhancement of volatile fatty acids production from rice straw via anaerobic digestion with chemical pretreatment. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 1623-7	3.7	16

193	Lipid production by microalgae <i>Chlorella protothecoides</i> with volatile fatty acids (VFAs) as carbon sources in heterotrophic cultivation and its economic assessment. <i>Bioprocess and Biosystems Engineering</i> , 2015 , 38, 691-700	3.7	81
192	Multi-stage continuous high cell density culture systems: a review. <i>Biotechnology Advances</i> , 2014 , 32, 514-25	17.8	32
191	Volatile fatty acids derived from waste organics provide an economical carbon source for microbial lipids/biodiesel production. <i>Biotechnology Journal</i> , 2014 , 9, 1536-46	5.6	45
190	Electrochemical Activity Studies of Glucose Oxidase (GOx)-Based and Pyranose Oxidase (POx)-Based Electrodes in Mesoporous Carbon: Toward Biosensor and Biofuel Cell Applications. <i>Electroanalysis</i> , 2014 , 26, 2075-2079	3	9
189	Volatile fatty acid production from lignocellulosic biomass by lime pretreatment and its applications to industrial biotechnology. <i>Biotechnology and Bioprocess Engineering</i> , 2013 , 18, 1163-1168	3.1	19
188	Thermal Properties and Biodegradability Studies of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Journal of Polymers and the Environment</i> , 2012 , 20, 23-28	4.5	37
187	Bioprocessing aspects of fuels and chemicals from biomass. <i>Korean Journal of Chemical Engineering</i> , 2012 , 29, 831-850	2.8	40
186	Performance of microbial fuel cell with volatile fatty acids from food wastes. <i>Biotechnology Letters</i> , 2011 , 33, 705-14	3	57
185	Multi-stage high cell continuous fermentation for high productivity and titer. <i>Bioprocess and Biosystems Engineering</i> , 2011 , 34, 419-31	3.7	37
184	The effect of volatile fatty acids as a sole carbon source on lipid accumulation by <i>Cryptococcus albidus</i> for biodiesel production. <i>Bioresource Technology</i> , 2011 , 102, 2695-701	11	218
183	Ethanol production from marine algal hydrolysates using <i>Escherichia coli</i> KO11. <i>Bioresource Technology</i> , 2011 , 102, 7466-9	11	241
182	Exploring low-cost carbon sources for microbial lipids production by fed-batch cultivation of <i>Cryptococcus albidus</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 482-487	3.1	77
181	Steam reforming of volatile fatty acids (VFAs) over supported Pt/Al ₂ O ₃ catalysts. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 7505-7515	6.7	20
180	Development of anaerobically inducible <i>nar</i> promoter expression vectors for the expression of recombinant proteins in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2011 , 151, 102-7	3.7	6
179	Nanoscale enzyme reactors in mesoporous carbon for improved performance and lifetime of biosensors and biofuel cells. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 655-60	11.8	42
178	Kinetic study on succinic acid and acetic acid formation during continuous cultures of <i>Anaerobiospirillum succiniciproducens</i> grown on glycerol. <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 465-71	3.7	32
177	On-site removal of H ₂ S from biogas produced by food waste using an aerobic sludge biofilter for steam reforming processing. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 505-511	3.1	21
176	Biomass-derived volatile fatty acid platform for fuels and chemicals. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 1-10	3.1	180

175	Economic evaluation of off-gas recycle pressure swing adsorption (PSA) in industrial scale poly(3-hydroxybutyrate) fermentation. <i>Biotechnology and Bioprocess Engineering</i> , 2010 , 15, 905-910	3.1	9
174	Enhanced production of human serum albumin by fed-batch culture of <i>Hansenula polymorpha</i> with high-purity oxygen. <i>Journal of Microbiology and Biotechnology</i> , 2010 , 20, 1534-8	3.3	11
173	Stable constitution of artificial oil body for the refolding of IGF1. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 161-167	3.1	0
172	A flow injection analysis system with encapsulated high-density <i>Saccharomyces cerevisiae</i> cells for rapid determination of biochemical oxygen demand. <i>Applied Microbiology and Biotechnology</i> , 2009 , 83, 217-23	5.7	22
171	Simultaneous saccharification and fermentation of lignocellulosic residues pretreated with phosphoric acid-acetone for bioethanol production. <i>Bioresource Technology</i> , 2009 , 100, 3245-51	11	146
170	Limited use of Centritech Lab II Centrifuge in perfusion culture of rCHO cells for the production of recombinant antibody. <i>Biotechnology Progress</i> , 2008 , 24, 166-74	2.8	20
169	Removal of volatile fatty acids (VFA) by microbial fuel cell with aluminum electrode and microbial community identification with 16S rRNA sequence. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 535-541	2.8	28
168	Two-stage depth filter perfusion culture for recombinant antibody production by recombinant Chinese hamster ovary cell. <i>Biotechnology and Bioprocess Engineering</i> , 2008 , 13, 560-565	3.1	8
167	High cell density ethanol fermentation in an upflow packed-bed cell recycle bioreactor. <i>Biotechnology and Bioprocess Engineering</i> , 2008 , 13, 123-135	3.1	16
166	Long-term operation of depth filter perfusion systems (DFPS) for monoclonal antibody production using recombinant CHO cells: Effect of temperature, pH, and dissolved oxygen. <i>Biotechnology and Bioprocess Engineering</i> , 2008 , 13, 401-409	3.1	18
165	Simple synthesis of functionalized superparamagnetic magnetite/silica core/shell nanoparticles and their application as magnetically separable high-performance biocatalysts. <i>Small</i> , 2008 , 4, 143-52	11	338
164	Anaerobic organic acid production of food waste in once-a-day feeding and drawing-off bioreactor. <i>Bioresource Technology</i> , 2008 , 99, 7866-74	11	186
163	One-dimensional crosslinked enzyme aggregates in SBA-15: Superior catalytic behavior to conventional enzyme immobilization. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 18-23	5.3	65
162	Crosslinked enzyme aggregates in hierarchically-ordered mesoporous silica: a simple and effective method for enzyme stabilization. <i>Biotechnology and Bioengineering</i> , 2007 , 96, 210-8	4.9	173
161	Modeling of poly(3-hydroxybutyrate) production by high cell density fed-batch culture of <i>Ralstonia eutropha</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2007 , 12, 417-423	3.1	10
160	Production of bacterial cellulose by <i>Gluconacetobacter hansenii</i> using a novel bioreactor equipped with a spin filter. <i>Korean Journal of Chemical Engineering</i> , 2007 , 24, 265-271	2.8	62
159	Nitrate removal in a packed bed reactor using volatile fatty acids from anaerobic acidogenesis of food wastes. <i>Biotechnology and Bioprocess Engineering</i> , 2006 , 11, 538-543	3.1	28
158	Immobilization of <i>Mucor javanicus</i> lipase on effectively functionalized silica nanoparticles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006 , 39, 62-68		78

157	Fermentation characteristics of a low-oxygen inducible hmp promoter system in <i>Bacillus subtilis</i> LAB1886. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 1071-1074	3.5	6
156	Recombinant antibody production by perfusion cultures of rCHO cells in a depth filter perfusion system. <i>Biotechnology Progress</i> , 2005 , 21, 134-9	2.8	23
155	Simple synthesis of hierarchically ordered mesocellular mesoporous silica materials hosting crosslinked enzyme aggregates. <i>Small</i> , 2005 , 1, 744-53	11	179
154	A magnetically separable, highly stable enzyme system based on nanocomposites of enzymes and magnetic nanoparticles shipped in hierarchically ordered, mesocellular, mesoporous silica. <i>Small</i> , 2005 , 1, 1203-7	11	99
153	Sequential feeding of glucose and valerate in a fed-batch culture of <i>Ralstonia eutropha</i> for production of poly(hydroxybutyrate-co-hydroxyvalerate) with high 3-hydroxyvalerate fraction. <i>Biotechnology Progress</i> , 2004 , 20, 140-4	2.8	41
152	Recovery of ammonium lactate and removal of hardness from fermentation broth by nanofiltration. <i>Biotechnology Progress</i> , 2004 , 20, 764-70	2.8	18
151	Selective extraction of acetic acid from the fermentation broth produced by <i>Mannheimia succiniciproducens</i> . <i>Biotechnology Letters</i> , 2004 , 26, 1581-4	3	36
150	High cell density fed-batch cultivation of <i>Escherichia coli</i> using exponential feeding combined with pH-stat. <i>Bioprocess and Biosystems Engineering</i> , 2004 , 26, 147-50	3.7	81
149	Batch and continuous fermentation of succinic acid from wood hydrolysate by <i>Mannheimia succiniciproducens</i> MBEL55E. <i>Enzyme and Microbial Technology</i> , 2004 , 35, 648-653	3.8	140
148	Poly(3-hydroxybutyrate) synthesis in fed-batch culture of <i>Ralstonia eutropha</i> with phosphate limitation under different glucose concentrations. <i>Biotechnology Letters</i> , 2003 , 25, 1415-9	3	77
147	Regioselective enzymatic acylation of multi-hydroxyl compounds in organic synthesis. <i>Biotechnology and Bioprocess Engineering</i> , 2003 , 8, 1-8	3.1	38
146	Simulation on long-term operation of an anaerobic bioreactor for Korean food wastes. <i>Biotechnology and Bioprocess Engineering</i> , 2003 , 8, 23-31	3.1	14
145	Inhibitory effect of carbon dioxide on the fed-batch culture of <i>Ralstonia eutropha</i> : evaluation by CO ₂ pulse injection and autogenous CO ₂ methods. <i>Biotechnology and Bioengineering</i> , 2003 , 83, 312-20	4.9	31
144	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	3.1	26
143	Cloning and characterization of <i>Mannheimia succiniciproducens</i> MBEL55E phosphoenolpyruvate carboxykinase (pckA) gene. <i>Biotechnology and Bioprocess Engineering</i> , 2002 , 7, 95-99	3.1	5
142	Fed-batch cultures of <i>Escherichia coli</i> cells with oxygen-dependent nar promoter systems. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2002 , 74, 171-81	1.7	1
141	Optimization of culture conditions and continuous production of chitosan by the fungi, <i>Absidia coerulea</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2001 , 6, 6-10	3.1	19
140	Succinic acid production with reduced by-product formation in the fermentation of <i>Anaerobiospirillum succiniciproducens</i> using glycerol as a carbon source. <i>Biotechnology and Bioengineering</i> , 2001 , 72, 41-48	4.9	228

139	Chemoenzymatic synthesis of sucrose-containing aromatic polymers. <i>Biotechnology and Bioengineering</i> , 2001 , 72, 541-547	4.9	7
138	Characterization of an oxygen-dependent inducible promoter, the nar promoter of Escherichia coli, to utilize in metabolic engineering. <i>Biotechnology and Bioengineering</i> , 2001 , 72, 573-576	4.9	11
137	High-rate continuous production of lactic acid by Lactobacillus rhamnosus in a two-stage membrane cell-recycle bioreactor. <i>Biotechnology and Bioengineering</i> , 2001 , 73, 25-34	4.9	107
136	Efficient recovery of gamma-poly (glutamic acid) from highly viscous culture broth. <i>Biotechnology and Bioengineering</i> , 2001 , 76, 219-23	4.9	44
135	Extraction of lactic acid with colloidal liquid aphrons and comparison of their toxicities with solvents without surfactant on the viability of Lactobacillus rhamnosus. <i>Biotechnology Letters</i> , 2001 , 23, 983-988	3	9
134	Specific Cd ²⁺ uptake of encapsulated Aureobasidium pullulans biosorbents. <i>Biotechnology Letters</i> , 2001 , 23, 1391-1396	3	3
133	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, 876-80	2.8	46
132	Succinic acid production with reduced by-product formation in the fermentation of Anaerobiospirillum succiniciproducens using glycerol as a carbon source 2001 , 72, 41		1
131	Succinic acid production with reduced by-product formation in the fermentation of Anaerobiospirillum succiniciproducens using glycerol as a carbon source 2001 , 72, 41		4
130	Development and characterization of an oxygen-dependent inducible promoter system, the modified nar promoter in a mutant Escherichia coli. <i>Biotechnology and Bioengineering</i> , 2000 , 68, 115-20	4.9	13
129	Continuous ethanol production from concentrated wood hydrolysates in an internal membrane-filtration bioreactor. <i>Biotechnology Progress</i> , 2000 , 16, 302-4	2.8	38
128	Desulfurization of light gas oil in immobilized-cell systems of Gordona sp. CYKS1 and Nocardia sp. CYKS2. <i>FEMS Microbiology Letters</i> , 2000 , 182, 309-12	2.9	61
127	Enzymatic regioselective synthesis of sucrose acrylate esters. <i>Biotechnology Letters</i> , 2000 , 22, 39-42	3	12
126	Production of poly- γ -glutamic acid by fed-batch culture of Bacillus licheniformis. <i>Biotechnology Letters</i> , 2000 , 22, 585-588	3	74
125	Selective extraction of succinic acid from binary mixture of succinic acid and acetic acid. <i>Biotechnology Letters</i> , 2000 , 22, 871-874	3	34
124	Desulfurization of model and diesel oils by resting cells of Gordona sp.. <i>Biotechnology Letters</i> , 2000 , 22, 193-196	3	39
123	Operation and modeling of bench-scale SBR for simultaneous removal of nitrogen and phosphorus using real wastewater. <i>Biotechnology and Bioprocess Engineering</i> , 2000 , 5, 441-448	3.1	6
122	Fermentative production of succinic acid from glucose and corn steep liquor by Anaerobiospirillum succiniciproducens. <i>Biotechnology and Bioprocess Engineering</i> , 2000 , 5, 379-381	3.1	57

121	Simulation of sequential batch reactor (SBR) operation for simultaneous removal of nitrogen and phosphorus. <i>Bioprocess and Biosystems Engineering</i> , 2000 , 23, 513-521	3.7	37
120	Effects of medium components on the growth of <i>Anaerobiospirillum succiniciproducens</i> and succinic acid production. <i>Process Biochemistry</i> , 1999 , 35, 49-55	4.8	59
119	Succinic acid production by <i>Anaerobiospirillum succiniciproducens</i> : effects of the H ₂ /CO ₂ supply and glucose concentration. <i>Enzyme and Microbial Technology</i> , 1999 , 24, 549-554	3.8	116
118	Ethanol production using concentrated oak wood hydrolysates and methods to detoxify. <i>Applied Biochemistry and Biotechnology</i> , 1999 , 77-79, 547-59	3.2	47
117	Biological removal of pyridine in heavy oil by <i>Rhodococcus</i> sp. KCTC 3218. <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 205-209	3.1	2
116	Fed-batch hairy root cultures within situ separation. <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 106-111	3.1	6
115	Reusable biosorbents in capsules from zoogloea ramigera cells for cadmium removal. <i>Biotechnology and Bioengineering</i> , 1999 , 63, 116-21	4.9	44
114	Production of poly (3-hydroxybutyrate) from starch by <i>Azotobacter chroococcum</i> . <i>Biotechnology Letters</i> , 1998 , 20, 109-112	3	44
113	Bacteriorhodopsin production by cell recycle culture of <i>Halobacterium halobium</i> . <i>Biotechnology Letters</i> , 1998 , 20, 763-765	3	17
112	Improved Production of a Bioadhesive Precursor Protein by Fed-Batch Cultivation of a Recombinant <i>Escherichia coli</i> with a pLysS Vector. <i>Biotechnology Letters</i> , 1998 , 20, 799-803	3	10
111	Desulfurization of diesel oils by a newly isolated dibenzothiophene-degrading <i>Nocardia</i> sp. strain CYKS2. <i>Biotechnology Progress</i> , 1998 , 14, 851-5	2.8	59
110	Fed-batch cultivation of an oxygen-dependent inducible promoter system, the nar promoter in <i>Escherichia coli</i> with an inactivated nar operon. <i>Biotechnology and Bioengineering</i> , 1998 , 59, 400-6	4.9	13
109	Effect of post-induction nutrient feeding strategies on the production of bioadhesive protein in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 1998 , 60, 271-6	4.9	52
108	Separation of oil contaminants by surfactant-aided foam fractionation. <i>Korean Journal of Chemical Engineering</i> , 1998 , 15, 445-448	2.8	18
107	Desulfurization of dibenzothiophene and diesel oils by a newly isolated gordona strain, CYKS1. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 2327-31	4.8	130
106	Effect of B vitamin supplementation on lactic acid production by <i>Lactobacillus casei</i> . <i>Journal of Bioscience and Bioengineering</i> , 1997 , 84, 172-175		45
105	Production of poly(3-hydroxybutyrate) by high cell density fed-batch culture of <i>Alcaligenes eutrophus</i> with phosphate limitation. <i>Biotechnology and Bioengineering</i> , 1997 , 55, 28-32	4.9	129
104	Production of poly(3-hydroxybutyrate) by high cell density fed-batch culture of <i>Alcaligenes eutrophus</i> with phosphate limitation 1997 , 55, 28		1

103	Synthesis of poly-(3-hydroxybutyrate-co-3-hydroxyvalerate) by recombinant Escherichia coli. <i>Biotechnology and Bioengineering</i> , 1996 , 49, 495-503	4.9	22
102	Characteristics of poly(3-hydroxybutyric acid) synthesis by recombinant Escherichia coli. <i>Annals of the New York Academy of Sciences</i> , 1996 , 782, 133-42	6.5	6
101	Microfiltration of yeast cells in an internal filter reactor. <i>Korean Journal of Chemical Engineering</i> , 1996 , 13, 404-408	2.8	4
100	Continuous ethanol production from wood hydrolysate by chemostat and total cell retention culture. <i>Korean Journal of Chemical Engineering</i> , 1996 , 13, 453-456	2.8	18
99	Desulfurization in a plate-type gas-lift photobioreactor using light emitting diodes. <i>Korean Journal of Chemical Engineering</i> , 1996 , 13, 606-611	2.8	12
98	Microencapsulation of recombinant <i>Saccharomyces cerevisiae</i> cells with invertase activity in liquid-core alginate capsules. <i>Biotechnology and Bioengineering</i> , 1996 , 51, 157-62	4.9	53
97	Reaction kinetics of lactic acid with methanol catalyzed by acid resins. <i>International Journal of Chemical Kinetics</i> , 1996 , 28, 37-41	1.4	38
96	Encapsulation of <i>Lactobacillus casei</i> cells in liquid-core alginate capsules for lactic acid production. <i>Enzyme and Microbial Technology</i> , 1996 , 19, 428-433	3.8	61
95	Cell separation from high cell density broths of <i>Alcaligenes eutrophus</i> by using a coagulant. <i>Biotechnology Letters</i> , 1996 , 10, 899		3
94	Synthesis of poly-(3-hydroxybutyrate-co-3-hydroxyvalerate) by recombinant Escherichia coli 1996 , 49, 495		21
93	Microencapsulation of recombinant <i>Saccharomyces cerevisiae</i> cells with invertase activity in liquid-core alginate capsules 1996 , 51, 157		2
92	Effect of acetic acid on poly-(3-hydroxybutyrate-CO-3-hydroxyvalerate) synthesis in recombinant Escherichia coli. <i>Korean Journal of Chemical Engineering</i> , 1995 , 12, 264-268	2.8	8
91	Effect of polymer position in nutrient-salt agar medium on fungal degradation of polycaprolactone. <i>Korean Journal of Chemical Engineering</i> , 1995 , 12, 320-324	2.8	
90	Control of glucose feeding using exit gas data and its application to the production of PHB from tapioca hydrolysate by <i>Alcaligenes eutrophus</i> . <i>Biotechnology Letters</i> , 1995 , 9, 311-314		19
89	Size analysis of poly(3-hydroxybutyric acid) granules produced in recombinant Escherichia coli. <i>Biotechnology Letters</i> , 1995 , 17, 205-210	3	11
88	Production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) from glucose and valerate in <i>Alcaligenes eutrophus</i> . <i>Biotechnology Letters</i> , 1995 , 17, 571-574	3	17
87	Enzymatic polytransesterification of aromatic diols in organic solvents. <i>Biotechnology Letters</i> , 1995 , 17, 1085-1090	3	7
86	Continuous production of tissue plasminogen activator from recombinant CHO cells in a depth filter perfusion system. <i>Biotechnology Letters</i> , 1995 , 9, 567-572		8

85	Polymerization of aqueous lactic acid to prepare high molecular weight poly(lactic acid) by chain-extending with hexamethylene diisocyanate. <i>Polymer Bulletin</i> , 1995 , 35, 415-421	2.4	68
84	Extractive plant cell culture. <i>Current Opinion in Biotechnology</i> , 1995 , 6, 209-212	11.4	12
83	Stimulatory effects of amino acids and oleic acid on poly(3-hydroxybutyric acid) synthesis by recombinant <i>Escherichia coli</i> . <i>Journal of Bioscience and Bioengineering</i> , 1995 , 79, 177-180		39
82	Production of poly(3-hydroxybutyric acid) by recombinant <i>Escherichia coli</i> strains: genetic and fermentation studies. <i>Canadian Journal of Microbiology</i> , 1995 , 41 Suppl 1, 207-15	3.2	74
81	Production of poly(hydroxyalkanoic acid). <i>Advances in Biochemical Engineering/Biotechnology</i> , 1995 , 52, 27-58	1.7	28
80	High cell density perfusion cultures of anchorage-dependent Vero cells in a depth filter perfusion system. <i>Cytotechnology</i> , 1995 , 17, 173-83	2.2	9
79	Shikonin production by extractive cultivation in transformed-suspension and hairy root cultures of <i>Lithospermum erythrorhizon</i> . <i>Annals of the New York Academy of Sciences</i> , 1994 , 745, 442-54	6.5	10
78	Enzymatic Synthesis of Various Aromatic Polyesters in Anhydrous Organic Solvents. <i>Biocatalysis</i> , 1994 , 11, 263-271		40
77	A cell retention internal filter reactor for ethanol production using tapioca hydrolysates. <i>Biotechnology Letters</i> , 1994 , 8, 817-820		13
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