

# Akihiko Kondo

## 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.

192 papers	12,365 citations	61 h-index	106 g-index
195 ext. papers	13,256 ext. citations	5.9 avg, IF	6.34 L-index

#	Paper	IF	Citations
192	Future trends in synthetic biology in Asia. <i>Genetics &amp; Genomics Next</i> , <b>2021</b> , 2, e10038	1.2	2
191	Improving the functionality of surface-engineered yeast cells by altering the cell wall morphology of the host strain. <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 5895-5904	5.7	4
190	Efficient base editing in tomato using a highly expressed transient system. <i>Plant Cell Reports</i> , <b>2021</b> , 40, 667-676	5.1	1
189	Evaluation of the Z-BNC/LP Carrier Encapsulating an Anticancer Drug and a Radiosensitizer.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 7743-7751	4.1	0
188	Multiple gene substitution by Target-AID base-editing technology in tomato. <i>Scientific Reports</i> , <b>2020</b> , 10, 20471	4.9	13
187	Targeted Base Editing with CRISPR-Deaminase in Tomato. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1917, 297-307	1.4	9
186	Deaminase-mediated multiplex genome editing in Escherichia coli. <i>Nature Microbiology</i> , <b>2018</b> , 3, 423-429	26.6	102
185	Metabolic Engineering of Lactobacillus plantarum for Direct L-Lactic Acid Production From Raw Corn Starch. <i>Biotechnology Journal</i> , <b>2018</b> , 13, e1700517	5.6	20
184	Metabolic engineering of the 2-ketobutyrate biosynthetic pathway for 1-propanol production in Saccharomyces cerevisiae. <i>Microbial Cell Factories</i> , <b>2018</b> , 17, 38	6.4	14
183	Inheritance of co-edited genes by CRISPR-based targeted nucleotide substitutions in rice. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 131, 78-83	5.4	22
182	A Cancer Treatment Strategy That Combines the Use of Inorganic/Biocomplex Nanoparticles With Conventional Radiation Therapy <b>2018</b> , 439-443		
181	Targeted Nucleotide Editing Technologies for Microbial Metabolic Engineering. <i>Biotechnology Journal</i> , <b>2018</b> , 13, e1700596	5.6	27
180	Enhanced cell-surface display of a heterologous protein using SED1 anchoring system in SED1-disrupted Saccharomyces cerevisiae strain. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 306-310	3.3	14
179	Herbicide tolerance-assisted multiplex targeted nucleotide substitution in rice. <i>Data in Brief</i> , <b>2018</b> , 20, 1325-1331	1.2	9
178	De novo design of biosynthetic pathways for bacterial production of bulk chemicals and biofuels. <i>FEMS Microbiology Letters</i> , <b>2018</b> , 365,	2.9	4
177	Affibody-displaying bio-nanocapsules effective in EGFR, typical biomarker, expressed in various cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 336-341	2.9	5
176	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1413-1420	1.1	21

175	Targeted base editing in rice and tomato using a CRISPR-Cas9 cytidine deaminase fusion. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 441-443	44.5	453
174	Development of fed-batch process for high-yielding $\beta$ -glucosidase displayed on cell surface of industrial yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemical Engineering Journal</i> , <b>2017</b> , 128, 195-200	4.2	5
173	Metabolic engineering of <i>Yarrowia lipolytica</i> via CRISPR-Cas9 genome editing for lactic acid production from glucose and cellobiose. <i>Metabolic Engineering Communications</i> , <b>2017</b> , 5, 60-67	6.5	15
172	Beyond Native Cas9: Manipulating Genomic Information and Function. <i>Trends in Biotechnology</i> , <b>2017</b> , 35, 983-996	15.1	54
171	Production of optically pure D-lactic acid from brown rice using metabolically engineered <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 1869-1875	5.7	25
170	Enhanced D-lactic acid production from renewable resources using engineered <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 279-88	5.7	50
169	Enhanced cell-surface display and secretory production of cellulolytic enzymes with <i>Saccharomyces cerevisiae</i> Sed1 signal peptide. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 2358-66	4.9	36
168	d-lactic acid production from renewable lignocellulosic biomass via genetically modified <i>Lactobacillus plantarum</i> . <i>Biotechnology Progress</i> , <b>2016</b> , 32, 271-8	2.8	33
167	Production of Fuels and Chemicals from Biomass by Integrated Bioprocesses <b>2016</b> , 159-186		
166	Recent advances in yeast cell-surface display technologies for waste biorefineries. <i>Bioresource Technology</i> , <b>2016</b> , 215, 324-333	11	51
165	Combined cell-surface display- and secretion-based strategies for production of cellulosic ethanol with <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 162	7.8	43
164	Recent advances in the metabolic engineering of <i>Corynebacterium glutamicum</i> for the production of lactate and succinate from renewable resources. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2015</b> , 42, 375-89	4.2	27
163	Improved ethanol production from xylose in the presence of acetic acid by the overexpression of the HAA1 gene in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2015</b> , 119, 297-302	3.3	37
162	Cell-surface display of enzymes by the yeast <i>Saccharomyces cerevisiae</i> for synthetic biology. <i>FEMS Yeast Research</i> , <b>2015</b> , 15, 1-9	3.1	16
161	Cell surface engineering of industrial microorganisms for biorefining applications. <i>Biotechnology Advances</i> , <b>2015</b> , 33, 1403-11	17.8	46
160	Efficient co-displaying and artificial ratio control of $\alpha$ -amylase and glucoamylase on the yeast cell surface by using combinations of different anchoring domains. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 1655-63	5.7	27
159	4-Vinylphenol biosynthesis from cellulose as the sole carbon source using phenolic acid decarboxylase- and tyrosine ammonia lyase-expressing <i>Streptomyces lividans</i> . <i>Bioresource Technology</i> , <b>2015</b> , 180, 59-65	11	14
158	Improved production of phospholipase A1 by recombinant <i>Aspergillus oryzae</i> through immobilization to control the fungal morphology under nutrient-limited conditions. <i>Biochemical Engineering Journal</i> , <b>2015</b> , 96, 1-6	4.2	10

157	Efficient yeast cell-surface display of exo- and endo-cellulase using the SED1 anchoring region and its original promoter. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 8	7.8	73
156	Cell wall structure suitable for surface display of proteins in <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , <b>2014</b> , 31, 67-76	3.4	26
155	A new screening method for recombinant <i>Saccharomyces cerevisiae</i> strains based on their xylose fermentation ability measured by near infrared spectroscopy. <i>Analytical Methods</i> , <b>2014</b> , 6, 6628	3.2	8
154	A display of pH-sensitive fusogenic GALA peptide facilitates endosomal escape from a Bio-nanocapsule via an endocytic uptake pathway. <i>Journal of Nanobiotechnology</i> , <b>2014</b> , 12, 11	9.4	31
153	Ethanol Production from Yeasts <b>2014</b> , 201-226		0
152	Lactic Acid <b>2014</b> , 353-380		2
151	Development of a GIN11/FRT-based multiple-gene integration technique affording inhibitor-tolerant, hemicellulolytic, xylose-utilizing abilities to industrial <i>Saccharomyces cerevisiae</i> strains for ethanol production from undetoxified lignocellulosic hemicelluloses. <i>Microbial Cell Factories</i> , <b>2014</b> , 13, 145	6.4	19
150	Targeting cancer cell-specific RNA interference by siRNA delivery using a complex carrier of affibody-displaying bio-nanocapsules and liposomes. <i>Journal of Nanobiotechnology</i> , <b>2013</b> , 11, 19	9.4	24
149	A robust whole-cell biocatalyst that introduces a thermo- and solvent-tolerant lipase into <i>Aspergillus oryzae</i> cells: characterization and application to enzymatic biodiesel production. <i>Enzyme and Microbial Technology</i> , <b>2013</b> , 52, 331-5	3.8	24
148	Synergetic effect of yeast cell-surface expression of cellulase and expansin-like protein on direct ethanol production from cellulose. <i>Microbial Cell Factories</i> , <b>2013</b> , 12, 66	6.4	57
147	Reduction of furan derivatives by overexpressing NADH-dependent Adh1 improves ethanol fermentation using xylose as sole carbon source with <i>Saccharomyces cerevisiae</i> harboring XR-XDH pathway. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 2597-607	5.7	27
146	Simultaneous improvement of saccharification and ethanol production from crystalline cellulose by alleviation of irreversible adsorption of cellulase with a cell surface-engineered yeast strain. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 2231-7	5.7	20
145	Implementation of a transhydrogenase-like shunt to counter redox imbalance during xylose fermentation in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 1669-78	5.7	23
144	Cocktail Integration of xylose assimilation genes for efficient ethanol production from xylose in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2013</b> , 116, 333-6	3.3	27
143	An affinity chromatography method used to purify His-tag-displaying bio-nanocapsules. <i>Journal of Virological Methods</i> , <b>2013</b> , 189, 393-6	2.6	5
142	Increased isobutanol production in <i>Saccharomyces cerevisiae</i> by eliminating competing pathways and resolving cofactor imbalance. <i>Microbial Cell Factories</i> , <b>2013</b> , 12, 119	6.4	102
141	Cell recycle batch fermentation of high-solid lignocellulose using a recombinant cellulase-displaying yeast strain for high yield ethanol production in consolidated bioprocessing. <i>Bioresource Technology</i> , <b>2013</b> , 135, 403-9	11	79
140	Creation of endoglucanase-secreting <i>Streptomyces lividans</i> for enzyme production using cellulose as the carbon source. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 5711-20	5.7	2

139	Gene expression cross-profiling in genetically modified industrial <i>Saccharomyces cerevisiae</i> strains during high-temperature ethanol production from xylose. <i>Journal of Biotechnology</i> , <b>2013</b> , 163, 50-60	3.7	29
138	A review of enzymes and microbes for lignocellulosic biorefinery and the possibility of their application to consolidated bioprocessing technology. <i>Bioresource Technology</i> , <b>2013</b> , 135, 513-22	11	240
137	Endowing non-cellulolytic microorganisms with cellulolytic activity aiming for consolidated bioprocessing. <i>Biotechnology Advances</i> , <b>2013</b> , 31, 754-63	17.8	80
136	An integrative process model of enzymatic biodiesel production through ethanol fermentation of brown rice followed by lipase-catalyzed ethanolysis in a water-containing system. <i>Enzyme and Microbial Technology</i> , <b>2013</b> , 52, 118-22	3.8	11
135	Enzymatic biodiesel production: an overview of potential feedstocks and process development. <i>Bioresource Technology</i> , <b>2013</b> , 135, 386-95	11	157
134	Utilization of lactic acid bacterial genes in <i>Synechocystis</i> sp. PCC 6803 in the production of lactic acid. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2013</b> , 77, 966-70	2.1	25
133	Improved performance of a packed-bed reactor for biodiesel production through whole-cell biocatalysis employing a high-lipase-expression system. <i>Biochemical Engineering Journal</i> , <b>2012</b> , 63, 76-80 <sup>4.2</sup>		32
132	Display of cellulases on the cell surface of <i>Saccharomyces cerevisiae</i> for high yield ethanol production from high-solid lignocellulosic biomass. <i>Bioresource Technology</i> , <b>2012</b> , 108, 128-33	11	88
131	Deletion of the PHO13 gene in <i>Saccharomyces cerevisiae</i> improves ethanol production from lignocellulosic hydrolysate in the presence of acetic and formic acids, and furfural. <i>Bioresource Technology</i> , <b>2012</b> , 111, 161-6	11	66
130	Direct ethanol production from hemicellulosic materials of rice straw by use of an engineered yeast strain codisplaying three types of hemicellulolytic enzymes on the surface of xylose-utilizing <i>Saccharomyces cerevisiae</i> cells. <i>Journal of Biotechnology</i> , <b>2012</b> , 158, 203-10	3.7	98
129	Protein-encapsulated bio-nanocapsules production with ER membrane localization sequences. <i>Journal of Biotechnology</i> , <b>2012</b> , 157, 124-9	3.7	3
128	Electroporation and use of hepatitis B virus envelope L proteins as bionanocapsules. <i>Cold Spring Harbor Protocols</i> , <b>2012</b> , 2012, 702-5	1.2	4
127	Consolidated bioprocessing and simultaneous saccharification and fermentation of lignocellulose to ethanol with thermotolerant yeast strains. <i>Process Biochemistry</i> , <b>2012</b> , 47, 1287-1294	4.8	131
126	Bioconversion of lignocellulose-derived sugars to ethanol by engineered <i>Saccharomyces cerevisiae</i> . <i>Critical Reviews in Biotechnology</i> , <b>2012</b> , 32, 22-48	9.4	69
125	Continuous production of biodiesel using whole-cell biocatalysts: Sequential conversion of an aqueous oil emulsion into anhydrous product. <i>Biochemical Engineering Journal</i> , <b>2012</b> , 68, 7-11	4.2	21
124	Development of yeast cell factories for consolidated bioprocessing of lignocellulose to bioethanol through cell surface engineering. <i>Biotechnology Advances</i> , <b>2012</b> , 30, 1207-18	17.8	181
123	Recent developments in yeast cell surface display toward extended applications in biotechnology. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 95, 577-91	5.7	93
122	Design of Superior Cell Factories for a Sustainable Biorefinery By Synthetic Bioengineering <b>2012</b> , 329-348		

121	Improvements in ethanol production from xylose by mating recombinant xylose-fermenting <i>Saccharomyces cerevisiae</i> strains. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 94, 1585-92	5.7	17
120	Complex carriers of affibody-displaying bio-nanocapsules and composition-varied liposomes for HER2-expressing breast cancer cell-specific protein delivery. <i>Journal of Drug Targeting</i> , <b>2012</b> , 20, 897-905	5.4	10
119	Near infrared spectroscopy as high-throughput technology for screening of xylose-fermenting recombinant <i>Saccharomyces cerevisiae</i> strains. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 4023-9	7.8	14
118	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. <i>Green Chemistry</i> , <b>2011</b> , 13, 2948	10	58
117	Repeated-batch fermentation of lignocellulosic hydrolysate to ethanol using a hybrid <i>Saccharomyces cerevisiae</i> strain metabolically engineered for tolerance to acetic and formic acids. <i>Bioresource Technology</i> , <b>2011</b> , 102, 7917-24	11	73
116	Process engineering and optimization of glycerol separation in a packed-bed reactor for enzymatic biodiesel production. <i>Bioresource Technology</i> , <b>2011</b> , 102, 10419-24	11	26
115	Cinnamic acid production using <i>Streptomyces lividans</i> expressing phenylalanine ammonia lyase. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2011</b> , 38, 643-8	4.2	37
114	Efficient fermentation of xylose to ethanol at high formic acid concentrations by metabolically engineered <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 90, 997-1004	5.7	59
113	Direct ethanol production from cassava pulp using a surface-engineered yeast strain co-displaying two amylases, two cellulases, and $\beta$ -glucosidase. <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 90, 377-84	5.7	49
112	Glutamate production from $\beta$ -glucan using endoglucanase-secreting <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 90, 895-901	5.7	45
111	Highly efficient biodiesel production by a whole-cell biocatalyst employing a system with high lipase expression in <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 90, 1171-7	5.7	27
110	Co-fermentation of cellulose/xylose using engineered industrial yeast strain OC-2 displaying both $\beta$ -glucosidase and $\beta$ -xylosidase. <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 91, 1553-9	5.7	15
109	Development of an <i>Aspergillus oryzae</i> whole-cell biocatalyst coexpressing triglyceride and partial glyceride lipases for biodiesel production. <i>Bioresource Technology</i> , <b>2011</b> , 102, 6723-9	11	45
108	Direct ethanol production from cellulosic materials using a diploid strain of <i>Saccharomyces cerevisiae</i> with optimized cellulase expression. <i>Biotechnology for Biofuels</i> , <b>2011</b> , 4, 8	7.8	95
107	Creation of a cellooligosaccharide-assimilating <i>Escherichia coli</i> strain by displaying active $\beta$ -glucosidase on the cell surface via a novel anchor protein. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 6265-70	4.8	32
106	Applications of yeast cell-surface display in bio-refinery. <i>Recent Patents on Biotechnology</i> , <b>2010</b> , 4, 226-34	4.2	10
105	Cocktail delta-integration: a novel method to construct cellulolytic enzyme expression ratio-optimized yeast strains. <i>Microbial Cell Factories</i> , <b>2010</b> , 9, 32	6.4	121
104	Over-production of various secretory-form proteins in <i>Streptomyces lividans</i> . <i>Protein Expression and Purification</i> , <b>2010</b> , 73, 198-202	2	30



103	Ethanol production from cellulosic materials using cellulase-expressing yeast. <i>Biotechnology Journal</i> , <b>2010</b> , 5, 449-55	5.6	66
102	D-lactic acid production from cellooligosaccharides and beta-glucan using L-LDH gene-deficient and endoglucanase-secreting <i>Lactobacillus plantarum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 85, 643-50	5.7	38
101	Biotechnological production of enantiomeric pure lactic acid from renewable resources: recent achievements, perspectives, and limits. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 85, 413-23	5.7	208
100	Surfactant-modified yeast whole-cell biocatalyst displaying lipase on cell surface for enzymatic production of structured lipids in organic media. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 537-43	5.7	18
99	Display of both N- and C-terminal target fusion proteins on the <i>Aspergillus oryzae</i> cell surface using a chitin-binding module. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1783-9	5.7	20
98	Co-fermentation of cellobiose and xylose using beta-glucosidase displaying diploid industrial yeast strain OC-2. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1975-82	5.7	28
97	Direct ethanol production from cellulosic materials at high temperature using the thermotolerant yeast <i>Kluyveromyces marxianus</i> displaying cellulolytic enzymes. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 88, 381-8	5.7	115
96	Ethanolysis of rapeseed oil to produce biodiesel fuel catalyzed by <i>Fusarium heterosporum</i> lipase-expressing fungus immobilized whole-cell biocatalysts. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 66, 101-104		22
95	Displaying non-natural, functional molecules on yeast surfaces via biotin-streptavidin interaction. <i>Journal of Biotechnology</i> , <b>2010</b> , 145, 79-83	3.7	12
94	Production of biodiesel fuel from soybean oil catalyzed by fungus whole-cell biocatalysts in ionic liquids. <i>Enzyme and Microbial Technology</i> , <b>2010</b> , 46, 51-55	3.8	80
93	Affibody-displaying bionanocapsules for specific drug delivery to HER2-expressing cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 5726-31	2.9	21
92	Efficient production of optically pure D-lactic acid from raw corn starch by using a genetically modified L-lactate dehydrogenase gene-deficient and alpha-amylase-secreting <i>Lactobacillus plantarum</i> strain. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 462-7	4.8	82
91	Regulation of the display ratio of enzymes on the <i>Saccharomyces cerevisiae</i> cell surface by the immunoglobulin G and cellulosomal enzyme binding domains. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 4149-54	4.8	41
90	Homo-D-lactic acid fermentation from arabinose by redirection of the phosphoketolase pathway to the pentose phosphate pathway in L-lactate dehydrogenase gene-deficient <i>Lactobacillus plantarum</i> . <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 5175-8	4.8	58
89	Biotinylated bionanocapsules for displaying diverse ligands toward cell-specific delivery. <i>Journal of Biochemistry</i> , <b>2009</b> , 146, 867-74	3.1	14
88	Use of mono- and diacylglycerol lipase as immobilized fungal whole cells to convert residual partial glycerides enzymatically into fatty acid methyl esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2009</b> , 58, 93-97		25
87	Ester synthesis reaction with CALB displaying yeast whole cell biocatalyst: effect of organic solvent and initial water content. <i>Journal of Bioscience and Bioengineering</i> , <b>2009</b> , 108, 369-71	3.3	7
86	Xylose isomerase from polycentric fungus <i>Orpinomyces</i> : gene sequencing, cloning, and expression in <i>Saccharomyces cerevisiae</i> for bioconversion of xylose to ethanol. <i>Applied Microbiology and Biotechnology</i> , <b>2009</b> , 82, 1067-78	5.7	143

85	Alcoholic fermentation of xylose and mixed sugars using recombinant <i>Saccharomyces cerevisiae</i> engineered for xylose utilization. <i>Applied Microbiology and Biotechnology</i> , <b>2009</b> , 82, 1037-47	5.7	75
84	Double mutation of the PDC1 and ADH1 genes improves lactate production in the yeast <i>Saccharomyces cerevisiae</i> expressing the bovine lactate dehydrogenase gene. <i>Applied Microbiology and Biotechnology</i> , <b>2009</b> , 82, 883-90	5.7	66
83	Marker-disruptive gene integration and URA3 recycling for multiple gene manipulation in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2009</b> , 83, 783-9	5.7	10
82	Production of ethanol from cassava pulp via fermentation with a surface-engineered yeast strain displaying glucoamylase. <i>Renewable Energy</i> , <b>2009</b> , 34, 1354-1358	8.1	89
81	Dimensionality reduction for metabolome data using PCA, PLS, OPLS, and RFDA with differential penalties to latent variables. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 98, 136-142	3.8	45
80	Bioenergy: Sustainable fuels from biomass by yeast and fungal whole-cell biocatalysts. <i>Biochemical Engineering Journal</i> , <b>2009</b> , 44, 2-12	4.2	97
79	Construction of arginine-rich peptide displaying bionanocapsules. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 1473-6	2.9	13
78	Characterization of yeast cell surface displayed <i>Aspergillus oryzae</i> $\beta$ glucosidase 1 high hydrolytic activity for soybean isoflavone. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2008</b> , 55, 69-75		11
77	Direct ethanol production from barley beta-glucan by sake yeast displaying <i>Aspergillus oryzae</i> beta-glucosidase and endoglucanase. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 105, 622-7	3.3	82
76	Breeding of industrial diploid yeast strain with chromosomal integration of multiple beta-glucosidase genes. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 106, 594-7	3.3	15
75	Specific protein delivery to target cells by antibody-displaying bionanocapsules. <i>Journal of Biochemistry</i> , <b>2008</b> , 144, 701-7	3.1	34
74	System using tandem repeats of the cA peptidoglycan-binding domain from <i>Lactococcus lactis</i> for display of both N- and C-terminal fusions on cell surfaces of lactic acid bacteria. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1117-23	4.8	39
73	Isoflavone aglycones production from isoflavone glycosides by display of beta-glucosidase from <i>Aspergillus oryzae</i> on yeast cell surface. <i>Applied Microbiology and Biotechnology</i> , <b>2008</b> , 79, 51-60	5.7	75
72	Lactic fermentation of cellobiose by a yeast strain displaying beta-glucosidase on the cell surface. <i>Applied Microbiology and Biotechnology</i> , <b>2008</b> , 79, 481-8	5.7	42
71	Preparation and comparative characterization of immobilized <i>Aspergillus oryzae</i> expressing <i>Fusarium heterosporum</i> lipase for enzymatic biodiesel production. <i>Applied Microbiology and Biotechnology</i> , <b>2008</b> , 81, 637-45	5.7	47
70	Enzymatic production of biodiesel from <i>Jatropha</i> oil: A comparative study of immobilized-whole cell and commercial lipases as a biocatalyst. <i>Biochemical Engineering Journal</i> , <b>2008</b> , 39, 185-189	4.2	190
69	Improvement of ethanol productivity during xylose and glucose co-fermentation by xylose-assimilating <i>S. cerevisiae</i> via expression of glucose transporter Sut1. <i>Enzyme and Microbial Technology</i> , <b>2008</b> , 43, 115-119	3.8	95
68	Effective xylose/cellobiose co-fermentation and ethanol production by xylose-assimilating <i>S. cerevisiae</i> via expression of $\beta$ glucosidase on its cell surface. <i>Enzyme and Microbial Technology</i> , <b>2008</b> , 43, 233-236	3.8	43



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66	Biodiesel-fuel production in a packed-bed reactor using lipase-producing <i>Rhizopus oryzae</i> cells immobilized within biomass support particles. <i>Biochemical Engineering Journal</i> , <b>2007</b> , 34, 273-278	4.2	135
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