

Kouichi Kuroda

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139
papers

2,535
citations

28
h-index

42
g-index

146
ext. papers

2,837
ext. citations

3.7
avg, IF

5.1
L-index

#	Paper	IF	Citations
139	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> , 2008 , 105, 622-7	3.3	82
138	Cell surface-engineered yeast displaying a histidine oligopeptide (hexa-His) has enhanced adsorption of and tolerance to heavy metal ions. <i>Applied Microbiology and Biotechnology</i> , 2001 , 57, 697-701	5.7	78
137	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> , 2008 , 79, 51-60	5.7	75
136	Engineering of microorganisms towards recovery of rare metal ions. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 53-60	5.7	73
135	Comprehensive characterization of secreted aspartic proteases encoded by a virulence gene family in <i>Candida albicans</i> . <i>Journal of Biochemistry</i> , 2011 , 150, 431-8	3.1	64
134	Enhancement of display efficiency in yeast display system by vector engineering and gene disruption. <i>Applied Microbiology and Biotechnology</i> , 2009 , 82, 713-9	5.7	62
133	Effective display of metallothionein tandem repeats on the bioadsorption of cadmium ion. <i>Applied Microbiology and Biotechnology</i> , 2006 , 70, 458-63	5.7	61
132	Genome sequence of the cellulosome-producing mesophilic organism <i>Clostridium cellulovorans</i> 743B. <i>Journal of Bacteriology</i> , 2010 , 192, 901-2	3.5	59
131	Comparative genomics of the mesophilic cellulosome-producing <i>Clostridium cellulovorans</i> and its application to biofuel production via consolidated bioprocessing. <i>Environmental Technology (United Kingdom)</i> , 2010 , 31, 889-903	2.6	58
130	Cell surface engineering of yeast for applications in white biotechnology. <i>Biotechnology Letters</i> , 2011 , 33, 1-9	3	57
129	Molecular design of the microbial cell surface toward the recovery of metal ions. <i>Current Opinion in Biotechnology</i> , 2011 , 22, 427-33	11.4	57
128	Surface display of organophosphorus hydrolase on <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Progress</i> , 2006 , 22, 939-43	2.8	55
127	Bioadsorption of cadmium ion by cell surface-engineered yeasts displaying metallothionein and hexa-His. <i>Applied Microbiology and Biotechnology</i> , 2003 , 63, 182-6	5.7	53
126	Next generation of antimicrobial peptides as molecular targeted medicines. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 114, 365-70	3.3	52
125	Molecular design of yeast cell surface for adsorption and recovery of molybdenum, one of rare metals. <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 641-8	5.7	51
124	Cell surface-engineered yeast with ability to bind, and self-aggregate in response to, copper ion. <i>Applied Microbiology and Biotechnology</i> , 2002 , 59, 259-64	5.7	49
123	Comparison of the mesophilic cellulosome-producing <i>Clostridium cellulovorans</i> genome with other cellulosome-related clostridial genomes. <i>Microbial Biotechnology</i> , 2011 , 4, 64-73	6.3	48

122	Arming Technology in Yeast-Novel Strategy for Whole-cell Biocatalyst and Protein Engineering. <i>Biomolecules</i> , 2013 , 3, 632-50	5.9	47
121	Proximity effect among cellulose-degrading enzymes displayed on the <i>Saccharomyces cerevisiae</i> cell surface. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 59-66	4.8	43
120	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> , 2009 , 75, 4149-54	4.8	41
119	Precise genome-wide base editing by the CRISPR Nickase system in yeast. <i>Scientific Reports</i> , 2017 , 7, 2095	4.9	38
118	Profile of native cellulosomal proteins of <i>Clostridium cellulovorans</i> adapted to various carbon sources. <i>AMB Express</i> , 2012 , 2, 37	4.1	37
117	Application of the arming system for the expression of the 380R antigen from red sea bream iridovirus (RSIV) on the surface of yeast cells: a first step for the development of an oral vaccine. <i>Biotechnology Progress</i> , 2006 , 22, 949-53	2.8	37
116	Tracing putative trafficking of the glycolytic enzyme enolase via SNARE-driven unconventional secretion. <i>Eukaryotic Cell</i> , 2012 , 11, 1075-82		34
115	Effect of pretreatment of hydrothermally processed rice straw with laccase-displaying yeast on ethanol fermentation. <i>Applied Microbiology and Biotechnology</i> , 2012 , 94, 939-48	5.7	34
114	Engineered yeast whole-cell biocatalyst for direct degradation of alginate from macroalgae and production of non-commercialized useful monosaccharide from alginate. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 1723-1732	5.7	30
113	Efficient synthesis of enantiomeric ethyl lactate by <i>Candida antarctica</i> lipase B (CALB)-displaying yeasts. <i>Applied Microbiology and Biotechnology</i> , 2009 , 83, 859-64	5.7	30
112	ABC transporters and cell wall proteins involved in organic solvent tolerance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2013 , 165, 145-52	3.7	29
111	Activation of signaling pathways related to cell wall integrity and multidrug resistance by organic solvent in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2014 , 60, 149-62	2.9	27
110	Discovery of a modified transcription factor endowing yeasts with organic-solvent tolerance and reconstruction of an organic-solvent-tolerant <i>Saccharomyces cerevisiae</i> strain. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 4222-5	4.8	27
109	Display of <i>Clostridium cellulovorans</i> xylose isomerase on the cell surface of <i>Saccharomyces cerevisiae</i> and its direct application to xylose fermentation. <i>Biotechnology Progress</i> , 2013 , 29, 346-51	2.8	25
108	Spatial reorganization of <i>Saccharomyces cerevisiae</i> enolase to alter carbon metabolism under hypoxia. <i>Eukaryotic Cell</i> , 2013 , 12, 1106-19		25
107	Systems for the detection and analysis of protein-protein interactions. <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 127-36	5.7	25
106	Exoproteome profiles of <i>Clostridium cellulovorans</i> grown on various carbon sources. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6576-84	4.8	24
105	Molecular breeding of advanced microorganisms for biofuel production. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 416931		24

104	Cellular and molecular engineering of yeast <i>Saccharomyces cerevisiae</i> for advanced biobutanol production. <i>FEMS Microbiology Letters</i> , 2016 , 363,	2.9	23
103	Disclosure of the differences of <i>Mesorhizobium loti</i> under the free-living and symbiotic conditions by comparative proteome analysis without bacteroid isolation. <i>BMC Microbiology</i> , 2013 , 13, 180	4.5	23
102	Creation of a novel peptide endowing yeasts with acid tolerance using yeast cell-surface engineering. <i>Applied Microbiology and Biotechnology</i> , 2009 , 82, 105-13	5.7	23
101	Enhancement of beta-glucosidase activity on the cell-surface of sake yeast by disruption of SED1. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 442-6	3.3	23
100	Screening for candidate genes involved in tolerance to organic solvents in yeast. <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 75-9	5.7	23
99	Specific adsorption of tungstate by cell surface display of the newly designed ModE mutant. <i>Applied Microbiology and Biotechnology</i> , 2012 , 96, 153-9	5.7	22
98	<i>Candida albicans</i> possesses Sap7 as a pepstatin A-insensitive secreted aspartic protease. <i>PLoS ONE</i> , 2012 , 7, e32513	3.7	22
97	Improvement in organophosphorus hydrolase activity of cell surface-engineered yeast strain using Flo1p anchor system. <i>Biotechnology Letters</i> , 2010 , 32, 655-9	3	22
96	Direct ethanol fermentation of the algal storage polysaccharide laminarin with an optimized combination of engineered yeasts. <i>Journal of Biotechnology</i> , 2016 , 231, 129-135	3.7	21
95	Exoproteome analysis of in natural soft-biomass degradation. <i>AMB Express</i> , 2015 , 5, 2	4.1	20
94	Mutant firefly luciferases with improved specific activity and dATP discrimination constructed by yeast cell surface engineering. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 4003-11	5.7	19
93	Elucidation of the recognition mechanisms for hemicellulose and pectin in <i>Clostridium cellulovorans</i> using intracellular quantitative proteome analysis. <i>AMB Express</i> , 2015 , 5, 29	4.1	19
92	Cellulosome complexes: natural biocatalysts as arming microcompartments of enzymes. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013 , 23, 370-8	0.9	19
91	Time-course proteomic profile of <i>Candida albicans</i> during adaptation to a fetal serum. <i>Pathogens and Disease</i> , 2013 , 67, 67-75	4.2	19
90	Synthesis of functional dipeptide carnosine from nonprotected amino acids using carnosinase-displaying yeast cells. <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 1895-902	5.7	19
89	Efficient and direct fermentation of starch to ethanol by sake yeast strains displaying fungal glucoamylases. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 1376-9	2.1	19
88	Construction of bioengineered yeast platform for direct bioethanol production from alginate and mannitol. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 6627-6636	5.7	19
87	Critical Roles of the Pentose Phosphate Pathway and GLN3 in Isobutanol-Specific Tolerance in Yeast. <i>Cell Systems</i> , 2019 , 9, 534-547.e5	10.6	18

86	Effect of sterol composition on the activity of the yeast G-protein-coupled receptor Ste2. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 4013-20	5.7	18
85	Enhanced butanol production by eukaryotic <i>Saccharomyces cerevisiae</i> engineered to contain an improved pathway. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 314-20	2.1	17
84	Reconstruction of thermotolerant yeast by one-point mutation identified through whole-genome analyses of adaptively-evolved strains. <i>Scientific Reports</i> , 2016 , 6, 23157	4.9	17
83	Putative Alginate Assimilation Process of the Marine Bacterium <i>Saccharophagus degradans</i> 2-40 Based on Quantitative Proteomic Analysis. <i>Marine Biotechnology</i> , 2016 , 18, 15-23	3.4	17
82	Profiling of adhesive properties of the agglutinin-like sequence (ALS) protein family, a virulent attribute of <i>Candida albicans</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 121-4		17
81	Membrane-displayed peptide ligand activates the pheromone response pathway in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biochemistry</i> , 2012 , 151, 551-7	3.1	16
80	Detection of protein-protein interactions by a combination of a novel cytoplasmic membrane targeting system of recombinant proteins and fluorescence resonance energy transfer. <i>Applied Microbiology and Biotechnology</i> , 2006 , 70, 451-7	5.7	16
79	An arming yeast with the ability to entrap fluorescent 17beta-estradiol on the cell surface. <i>Applied Microbiology and Biotechnology</i> , 2002 , 59, 329-31	5.7	16
78	Description of the interaction between <i>Candida albicans</i> and macrophages by mixed and quantitative proteome analysis without isolation. <i>AMB Express</i> , 2015 , 5, 127	4.1	15
77	<i>Falsirhodobacter</i> sp. alg1 Harbors Single Homologs of Endo and Exo-Type Alginate Lyases Efficient for Alginate Depolymerization. <i>PLoS ONE</i> , 2016 , 11, e0155537	3.7	15
76	Direct fermentation of newspaper after laccase-treatment using yeast codisplaying endoglucanase, cellobiohydrolase, and β -glucosidase. <i>Renewable Energy</i> , 2012 , 44, 199-205	8.1	14
75	Elucidation of potentially virulent factors of <i>Candida albicans</i> during serum adaptation by using quantitative time-course proteomics. <i>Journal of Proteomics</i> , 2013 , 91, 417-29	3.9	14
74	Activation of the mitochondrial signaling pathway in response to organic solvent stress in yeast. <i>Current Genetics</i> , 2015 , 61, 153-64	2.9	14
73	High-throughput screening of improved protease inhibitors using a yeast cell surface display system and a yeast cell chip. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 111, 16-8	3.3	14
72	Demonstration of catalytic proton acceptor of chitosanase from <i>Paenibacillus fukuinensis</i> by comprehensive analysis of mutant library. <i>Applied Microbiology and Biotechnology</i> , 2009 , 85, 95-104	5.7	14
71	Development of surface-engineered yeast cells displaying phytochelatin synthase and their application to cadmium biosensors by the combined use of pyrene-excimer fluorescence. <i>Biotechnology Progress</i> , 2013 , 29, 1197-202	2.8	13
70	Acquisition of thermotolerant yeast <i>Saccharomyces cerevisiae</i> by breeding via stepwise adaptation. <i>Biotechnology Progress</i> , 2013 , 29, 1116-23	2.8	13
69	Enhanced adsorption and recovery of uranyl ions by NikR mutant-displaying yeast. <i>Biomolecules</i> , 2014 , 4, 390-401	5.9	13

68	Membrane-displayed somatostatin activates somatostatin receptor subtype-2 heterologously produced in <i>Saccharomyces cerevisiae</i> . <i>AMB Express</i> , 2012 , 2, 63	4.1	13
67	Improvement in enzymatic desizing of starched cotton cloth using yeast codisplaying glucoamylase and cellulose-binding domain. <i>Applied Microbiology and Biotechnology</i> , 2008 , 77, 1225-32	5.7	13
66	Direct bioethanol production from brown macroalgae by co-culture of two engineered <i>Saccharomyces cerevisiae</i> strains. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018 , 82, 1459-1462	2.1	12
65	Putative role of cellulosomal protease inhibitors in <i>Clostridium cellulovorans</i> based on gene expression and measurement of activities. <i>Journal of Bacteriology</i> , 2011 , 193, 5527-30	3.5	12
64	Generation of arming yeasts with active proteins and peptides via cell surface display system: cell surface engineering, bio-arming technology. <i>Methods in Molecular Biology</i> , 2014 , 1152, 137-55	1.4	12
63	Recovery of platinum(0) through the reduction of platinum ions by hydrogenase-displaying yeast. <i>AMB Express</i> , 2016 , 6, 88	4.1	12
62	Estimation of enzyme kinetic parameters of cell surface-displayed organophosphorus hydrolase and construction of a biosensing system for organophosphorus compounds. <i>Analytical Sciences</i> , 2011 , 27, 823-6	1.7	11
61	Engineering of global regulators and cell surface properties toward enhancing stress tolerance in <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , 2017 , 124, 599-605	3.3	9
60	Surface coat proteins of the pine wood nematode, <i>Bursaphelenchus xylophilus</i> : profiles of stage- and isolate-specific characters. <i>Nematology</i> , 2009 , 11, 429-438	0.9	9
59	Organophosphorus compound detection on a cell chip with yeast coexpressing hydrolase and eGFP. <i>Biotechnology Journal</i> , 2010 , 5, 515-9	5.6	9
58	Generation of a Functionally Distinct <i>Rhizopus oryzae</i> Lipase through Protein Folding Memory. <i>PLoS ONE</i> , 2015 , 10, e0124545	3.7	8
57	Quantitative time-course proteome analysis of <i>Mesorhizobium loti</i> during nodule maturation. <i>Journal of Proteomics</i> , 2015 , 125, 112-20	3.9	8
56	Construction of a novel selection system for endoglucanases exhibiting carbohydrate-binding modules optimized for biomass using yeast cell-surface engineering. <i>AMB Express</i> , 2012 , 2, 56	4.1	8
55	Fixation of CO ₂ in <i>Clostridium cellulovorans</i> analyzed by ¹³ C-isotopomer-based target metabolomics. <i>AMB Express</i> , 2013 , 3, 61	4.1	7
54	Single-cell heterogeneity in suppression of PC12 differentiation by direct microinjection of a differentiation inhibitor, U0126. <i>Cell Biology International</i> , 2014 , 38, 1215-20	4.5	7
53	Mutated intramolecular chaperones generate high-activity isomers of mature enzymes. <i>Biochemistry</i> , 2012 , 51, 3547-53	3.2	7
52	Enhanced direct ethanol production by cofactor optimization of cell surface-displayed xylose isomerase in yeast. <i>Biotechnology Progress</i> , 2017 , 33, 1068-1076	2.8	6
51	Platform construction of molecular breeding for utilization of brown macroalgae. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 1-7	3.3	6

50	Temporal proteome dynamics of Clostridium cellulovorans cultured with major plant cell wall polysaccharides. <i>BMC Microbiology</i> , 2019 , 19, 118	4.5	5
49	Evaluation of chitosan-binding amino acid residues of chitosanase from Paenibacillus fukuinensis. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 1177-82	2.1	5
48	Construction of a convenient system for easily screening inhibitors of mutated influenza virus neuraminidases. <i>FEBS Open Bio</i> , 2013 , 3, 484-9	2.7	5
47	Draft Genome Sequence of Falsirhodobacter sp. Strain alg1, an Alginate-Degrading Bacterium Isolated from Fermented Brown Algae. <i>Genome Announcements</i> , 2014 , 2,		5
46	Design of a novel antimicrobial peptide activated by virulent proteases. <i>Chemical Biology and Drug Design</i> , 2012 , 80, 725-33	2.9	5
45	Chimeric yeast G-protein β subunit harboring a 37-residue C-terminal gustducin-specific sequence is functional in Saccharomyces cerevisiae. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 512-6	2.1	5
44	Construction of engineered yeast producing ammonia from glutamine and soybean residues (okara). <i>AMB Express</i> , 2020 , 10, 70	4.1	5
43	Genome Sequence of Formosa haliotis Strain MA1, a Brown Alga-Degrading Bacterium Isolated from the Gut of Abalone Haliotis gigantea. <i>Genome Announcements</i> , 2016 , 4,		4
42	Characteristic strategy of assimilation of various saccharides by Clostridium cellulovorans. <i>AMB Express</i> , 2016 , 6, 64	4.1	4
41	Purification of inactive precursor of carboxypeptidase Y using selective cleavage method coupled with molecular display. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 753-5	2.1	4
40	Environmental Stress Tolerance Engineering by Modification of Cell Surface and Transcription Factor in Saccharomyces cerevisiae. <i>Current Environmental Engineering</i> , 2015 , 1, 149-156	1.6	4
39	Screening of randomly mutagenized glucagon-like peptide-1 library by using an integrated yeast-mammalian assay system. <i>Journal of Biotechnology</i> , 2015 , 209, 96-101	3.7	3
38	Development of an Analysis Method for 4-Deoxy-l-erythro-5-hexoseulose Uronic Acid by LC/ESI/MS with Selected Ion Monitoring. <i>Natural Product Communications</i> , 2017 , 12, 1934578X1701200	0.9	3
37	Rapid preparation of mutated influenza hemagglutinins for influenza virus pandemic prevention. <i>AMB Express</i> , 2016 , 6, 8	4.1	3
36	Detection of Candida albicans by using a designed fluorescence-quenched peptide. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 573-5	3.3	3
35	Identification of interaction site of propeptide toward mature carboxypeptidase Y (mCPY) based on the similarity between propeptide and CPY inhibitor (IC). <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 153-6	2.1	3
34	Yeast Biosorption and Recycling of Metal Ions by Cell Surface Engineering 2011 , 235-247		3
33	Cell-surface modification of non-GMO without chemical treatment by novel GMO-coupled and -separated cocultivation method. <i>Applied Microbiology and Biotechnology</i> , 2009 , 82, 293-301	5.7	3

32	GTS1 induction causes derepression of Tup1-Cyc8-repressing genes and chromatin remodeling through the interaction of Gts1p with Cyc8p. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 740-7 ^{2.1}	3
31	Efficient ammonia production from food by-products by engineered <i>Escherichia coli</i> . <i>AMB Express</i> , 2020 , 10, 150	4.1 3
30	Development of a mito-CRISPR system for generating mitochondrial DNA-deleted strain in <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 895-901	2.1 3
29	Characterization of the cellulosomal scaffolding protein CbpC from <i>Clostridium cellulovorans</i> 743B. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 124, 376-380	3.3 2
28	Functional screening system for yeast-secreted peptides acting on G-protein coupled receptors. <i>AMB Express</i> , 2015 , 5, 26	4.1 2
27	ROS production and apoptosis induction by formation of Gts1p-mediated protein aggregates. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 1546-53	2.1 2
26	Inhibition of heat tolerance and nuclear import of Gts1p by Ssa1p and Ssa2p. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 323-30	2.1 2
25	Growth acceleration of plants and mushroom by erythritol. <i>Plant Biotechnology</i> , 2008 , 25, 489-492	1.3 2
24	Enzyme Evolution by Yeast Cell Surface Engineering. <i>Methods in Molecular Biology</i> , 2015 , 1319, 217-32	1.4 2
23	Adaptive Evolution of Yeast Under Heat Stress and Genetic Reconstruction to Generate Thermotolerant Yeast 2018 , 23-36	2
22	CRISPR Nickase-Mediated Base Editing in Yeast. <i>Methods in Molecular Biology</i> , 2021 , 2196, 27-37	1.4 2
21	Energy Production: Biomass [Starch, Cellulose, and Hemicellulose 2019 , 17-28	1
20	Xylanase B from <i>Clostridium cellulovorans</i> 743B: overexpression, purification, crystallization and X-ray diffraction analysis. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018 , 74, 113-116	1.1 1
19	A design for the control of apoptosis in genetically modified <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 358-62	2.1 1
18	Small-scale hypoxic cultures for monitoring the spatial reorganization of glycolytic enzymes in <i>Saccharomyces cerevisiae</i> . <i>Cell Biology International</i> , 2021 , 45, 1776-1783	4.5 1
17	Platform of direct ethanol production from macroalgae by engineered <i>Saccharomyces cerevisiae</i> . <i>New Biotechnology</i> , 2016 , 33, S51	6.4 1
16	Construction of recombinant <i>Escherichia coli</i> producing nitrogenase-related proteins from <i>Azotobacter vinelandii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2021 , 85, 2209-2216	2.1 1
15	A critical role of an oxygen-responsive gene for aerobic nitrogenase activity in <i>Azotobacter vinelandii</i> and its application to <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2022 , 12, 4182	4.9 1

14	Simultaneous Display of Multiple Kinds of Enzymes on the Yeast Cell Surface for Multistep Reactions.. <i>Methods in Molecular Biology</i> , 2022 , 2491, 627-641	1.4	o
13	Preparation of Functional Cells: Improvement of Stress Tolerance 2019 , 85-92		
12	Cleanup of Pollution: Heavy Metal Ions and Environmental Hormones 2019 , 63-72		
11	Ethanol production from hemicellulose using xylose isomerase-displaying yeast. <i>New Biotechnology</i> , 2016 , 33, S85	6.4	
10	Cas9(CRISPR Nickase)??. <i>Kagaku To Seibutsu</i> , 2018 , 56, 312-313	o	
9	Recovery of Rare Metal Ions 2019 , 73-83		
8	Mixed proteome analysis for clarification of the mechanism of infectious candidiasis (152.6). <i>FASEB Journal</i> , 2014 , 28, 152.6	0.9	
7	<i>Candida albicans</i> exhibits a pepstatin A-insensitive secreted aspartic protease as a virulence factor. <i>FASEB Journal</i> , 2012 , 26, 557.1	0.9	
6	Construction of a novel system for developing inhibitors of influenza virus neuraminidase by yeast cell surface engineering. <i>FASEB Journal</i> , 2013 , 27, 894.4	0.9	
5	Modification of sterol composition in yeast cell membrane from ergosterol to cholesterol and its effect on Ste2 signaling. <i>FASEB Journal</i> , 2013 , 27, 1096.8	0.9	
4	Modification of enzymes by protein folding memory. <i>FASEB Journal</i> , 2013 , 27, 784.1	0.9	
3	Effects of recognition sequence variations on transcription regulation of multidrug resistance regulator Pdr1p in yeast. <i>FASEB Journal</i> , 2013 , 27, 980.6	0.9	
2	Proposed alginate utilization process of the macroalgae-assimilating <i>Saccharophagus degradans</i> 2-40 based on quantitative proteomic analysis. <i>New Biotechnology</i> , 2016 , 33, S85-S86	6.4	
1	Generation of Arming Yeasts with Active Proteins and Peptides via Cell Surface Display System: Cell Surface Engineering, Bio-Arming Technology. <i>Methods in Molecular Biology</i> , 2022 , 59-77	1.4	