

Kouichi Kuroda

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.

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 | 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 |
| 138 | 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 | 0 |
| 137 | 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 | |
| 136 | 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 |
| 135 | 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 |
| 134 | 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 |
| 133 | CRISPR Nickase-Mediated Base Editing in Yeast. <i>Methods in Molecular Biology</i> , 2021 , 2196, 27-37 | 1.4 | 2 |
| 132 | Construction of engineered yeast producing ammonia from glutamine and soybean residues (okara). <i>AMB Express</i> , 2020 , 10, 70 | 4.1 | 5 |
| 131 | Efficient ammonia production from food by-products by engineered <i>Escherichia coli</i> . <i>AMB Express</i> , 2020 , 10, 150 | 4.1 | 3 |
| 130 | Energy Production: Biomass Starch, Cellulose, and Hemicellulose 2019 , 17-28 | | 1 |
| 129 | Temporal proteome dynamics of <i>Clostridium cellulovorans</i> cultured with major plant cell wall polysaccharides. <i>BMC Microbiology</i> , 2019 , 19, 118 | 4.5 | 5 |
| 128 | Preparation of Functional Cells: Improvement of Stress Tolerance 2019 , 85-92 | | |
| 127 | Cleanup of Pollution: Heavy Metal Ions and Environmental Hormones 2019 , 63-72 | | |
| 126 | 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 |
| 125 | Recovery of Rare Metal Ions 2019 , 73-83 | | |
| 124 | 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 |
| 123 | Platform construction of molecular breeding for utilization of brown macroalgae. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 1-7 | 3.3 | 6 |

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| 122 | 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 |
| 121 | Cas9(CRISPR Nickase)???. <i>Kagaku To Seibutsu</i> , 2018 , 56, 312-313 | 0 | |
| 120 | Adaptive Evolution of Yeast Under Heat Stress and Genetic Reconstruction to Generate Thermotolerant Yeast 2018 , 23-36 | | 2 |
| 119 | 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 |
| 118 | Precise genome-wide base editing by the CRISPR Nickase system in yeast. <i>Scientific Reports</i> , 2017 , 7, 2095 | 4.9 | 38 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | Genome Sequence of <i>Formosa haliotis</i> Strain MA1, a Brown Alga-Degrading Bacterium Isolated from the Gut of Abalone <i>Haliotis gigantea</i> . <i>Genome Announcements</i> , 2016 , 4, | | 4 |
| 112 | Characteristic strategy of assimilation of various saccharides by <i>Clostridium cellulovorans</i> . <i>AMB Express</i> , 2016 , 6, 64 | 4.1 | 4 |
| 111 | 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 |
| 110 | Rapid preparation of mutated influenza hemagglutinins for influenza virus pandemic prevention. <i>AMB Express</i> , 2016 , 6, 8 | 4.1 | 3 |
| 109 | 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 |
| 108 | Ethanol production from hemicellulose using xylose isomerase-displaying yeast. <i>New Biotechnology</i> , 2016 , 33, S85 | 6.4 | |
| 107 | Cellular and molecular engineering of yeast <i>Saccharomyces cerevisiae</i> for advanced biobutanol production. <i>FEMS Microbiology Letters</i> , 2016 , 363, | 2.9 | 23 |
| 106 | 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 |
| 105 | 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 |

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| 104 | Falsirhodobacter 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 |
| 103 | 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 | |
| 102 | Recovery of platinum(0) through the reduction of platinum ions by hydrogenase-displaying yeast. <i>AMB Express</i> , 2016 , 6, 88 | 4.1 | 12 |
| 101 | Platform of direct ethanol production from macroalgae by engineered <i>Saccharomyces cerevisiae</i> . <i>New Biotechnology</i> , 2016 , 33, S51 | 6.4 | 1 |
| 100 | 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 |
| 99 | 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 |
| 98 | Exoproteome analysis of in natural soft-biomass degradation. <i>AMB Express</i> , 2015 , 5, 2 | 4.1 | 20 |
| 97 | Functional screening system for yeast-secreted peptides acting on G-protein coupled receptors. <i>AMB Express</i> , 2015 , 5, 26 | 4.1 | 2 |
| 96 | 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 |
| 95 | 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 |
| 94 | Generation of a Functionally Distinct <i>Rhizopus oryzae</i> Lipase through Protein Folding Memory. <i>PLoS ONE</i> , 2015 , 10, e0124545 | 3.7 | 8 |
| 93 | 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 |
| 92 | 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 |
| 91 | 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 |
| 90 | Environmental Stress Tolerance Engineering by Modification of Cell Surface and Transcription Factor in <i>Saccharomyces cerevisiae</i> . <i>Current Environmental Engineering</i> , 2015 , 1, 149-156 | 1.6 | 4 |
| 89 | Enzyme Evolution by Yeast Cell Surface Engineering. <i>Methods in Molecular Biology</i> , 2015 , 1319, 217-32 | 1.4 | 2 |
| 88 | Evaluation of chitosan-binding amino acid residues of chitosanase from <i>Paenibacillus fukuinensis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 1177-82 | 2.1 | 5 |
| 87 | 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 |

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| 86 | 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 |
| 85 | Draft Genome Sequence of <i>Falsirhodobacter</i> sp. Strain alg1, an Alginate-Degrading Bacterium Isolated from Fermented Brown Algae. <i>Genome Announcements</i> , 2014 , 2, | | 5 |
| 84 | 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 |
| 83 | Enhanced adsorption and recovery of uranyl ions by NikR mutant-displaying yeast. <i>Biomolecules</i> , 2014 , 4, 390-401 | 5.9 | 13 |
| 82 | 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 |
| 81 | Mixed proteome analysis for clarification of the mechanism of infectious candidiasis (152.6). <i>FASEB Journal</i> , 2014 , 28, 152.6 | 0.9 | |
| 80 | 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 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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 |
| 75 | Detection of <i>Candida albicans</i> by using a designed fluorescence-quenched peptide. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 116, 573-5 | 3.3 | 3 |
| 74 | 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 |
| 73 | 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 |
| 72 | Acquisition of thermotolerant yeast <i>Saccharomyces cerevisiae</i> by breeding via stepwise adaptation. <i>Biotechnology Progress</i> , 2013 , 29, 1116-23 | 2.8 | 13 |
| 71 | 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 |
| 70 | 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 |
| 69 | Arming Technology in Yeast-Novel Strategy for Whole-cell Biocatalyst and Protein Engineering. <i>Biomolecules</i> , 2013 , 3, 632-50 | 5.9 | 47 |

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| 68 | Spatial reorganization of <i>Saccharomyces cerevisiae</i> enolase to alter carbon metabolism under hypoxia. <i>Eukaryotic Cell</i> , 2013 , 12, 1106-19 | | 25 |
| 67 | Cellulosome complexes: natural biocatalysts as arming microcompartments of enzymes. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2013 , 23, 370-8 | 0.9 | 19 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 | |
| 63 | 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 | |
| 62 | Modification of enzymes by protein folding memory. <i>FASEB Journal</i> , 2013 , 27, 784.1 | 0.9 | |
| 61 | 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 | |
| 60 | 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 |
| 59 | Tracing putative trafficking of the glycolytic enzyme enolase via SNARE-driven unconventional secretion. <i>Eukaryotic Cell</i> , 2012 , 11, 1075-82 | | 34 |
| 58 | Design of a novel antimicrobial peptide activated by virulent proteases. <i>Chemical Biology and Drug Design</i> , 2012 , 80, 725-33 | 2.9 | 5 |
| 57 | Next generation of antimicrobial peptides as molecular targeted medicines. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 114, 365-70 | 3.3 | 52 |
| 56 | 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 |
| 55 | 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 |
| 54 | Mutated intramolecular chaperones generate high-activity isomers of mature enzymes. <i>Biochemistry</i> , 2012 , 51, 3547-53 | 3.2 | 7 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 50 | 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 |
| 49 | <i>Candida albicans</i> possesses Sap7 as a pepstatin A-insensitive secreted aspartic protease. <i>PLoS ONE</i> , 2012 , 7, e32513 | 3.7 | 22 |
| 48 | 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 |
| 47 | 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 |
| 46 | Chimeric yeast G-protein β subunit harboring a 37-residue C-terminal gustducin-specific sequence is functional in <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2012 , 76, 512-6 | 2.1 | 5 |
| 45 | <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 | |
| 44 | Yeast Biosorption and Recycling of Metal Ions by Cell Surface Engineering 2011 , 235-247 | | 3 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | Cell surface engineering of yeast for applications in white biotechnology. <i>Biotechnology Letters</i> , 2011 , 33, 1-9 | 3 | 57 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | Molecular breeding of advanced microorganisms for biofuel production. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 416931 | | 24 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 32 | 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 |
| 31 | 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 |
| 30 | Organophosphorus compound detection on a cell chip with yeast coexpressing hydrolase and eGFP. <i>Biotechnology Journal</i> , 2010 , 5, 515-9 | 5.6 | 9 |
| 29 | 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 |
| 28 | 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 |
| 27 | Engineering of microorganisms towards recovery of rare metal ions. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 53-60 | 5.7 | 73 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |

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| 14 | 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 |
| 13 | Growth acceleration of plants and mushroom by erythritol. <i>Plant Biotechnology</i> , 2008 , 25, 489-492 | 1.3 | 2 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Systems for the detection and analysis of protein-protein interactions. <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 127-36 | 5.7 | 25 |
| 6 | Surface display of organophosphorus hydrolase on <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Progress</i> , 2006 , 22, 939-43 | 2.8 | 55 |
| 5 | 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |