# Thomas W Jeffries

List of Publications by Year
in descending order



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|---|---|---|---|
| 153 papers | 10,539 citations | 24978 57 h-index | 35952 97 g-index |
| 157 all docs | 157 docs citations | 157 times ranked | 7467 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bacteria engineered for fuel ethanol production: current status. Applied Microbiology and Biotechnology, 2003, 63, 258-266. | 1.7 | 683 |
| 2 | Genome sequence of the lignocellulose-bioconverting and xylose-fermenting yeast Pichia stipitis. Nature Biotechnology, 2007, 25, 319-326. | 9.4 | 449 |
| 3 | Metabolic engineering for improved fermentation of pentoses by yeasts. Applied Microbiology and Biotechnology, 2004, 63, 495-509. | 1.7 | 436 |
| 4 | Engineering yeasts for xylose metabolism. Current Opinion in Biotechnology, 2006, 17, 320-326. | 3.3 | 426 |
| 5 | Deleting the para-nitrophenyl phosphatase (pNPPase), PHO13, in recombinant Saccharomyces cerevisiae improves growth and ethanol production on d-xylose. Metabolic Engineering, 2008, 10, 360-369. | 3.6 | 332 |
| 6 | Nutritional Regulation of Lignin Degradation by <i>Phanerochaete chrysosporium</i>. Applied and Environmental Microbiology, 1981, 42, 290-296. | 1.4 | 308 |
| 7 | Comparative genomics of biotechnologically important yeasts. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9882-9887. | 3.3 | 302 |
| 8 | Efficiencies of acid catalysts in the hydrolysis of lignocellulosic biomass over a range of combined severity factors. Bioresource Technology, 2011, 102, 5884-5890. | 4.8 | 240 |
| 9 | Rapid whole-genome mutational profiling using next-generation sequencing technologies. Genome Research, 2008, 18, 1638-1642. | 2.4 | 225 |
| 10 | Roles of manganese and organic acid chelators in regulating lignin degradation and biosynthesis of peroxidases by Phanerochaete chrysosporium. Applied and Environmental Microbiology, 1992, 58, 2402-2409. | 1.4 | 222 |
| 11 | Yeast metabolic engineering for hemicellulosic ethanol production. Current Opinion in Biotechnology, 2009, 20, 300-306. | 3.3 | 221 |
| 12 | Optimal Growth and Ethanol Production from Xylose by Recombinant Saccharomyces cerevisiae Require Moderate d -Xylulokinase Activity. Applied and Environmental Microbiology, 2003, 69, 495-503. | 1.4 | 168 |
| 13 | Utilization of xylose by bacteria, yeasts, and fungi. , 1983, 27, 1-32. | | 163 |
| 14 | Biodegradation of lignin-carbohydrate complexes. Biodegradation, 1990, 1, 163-176. | 1.5 | 163 |
| 15 | Comparative genomics of xylose-fermenting fungi for enhanced biofuel production. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13212-13217. | 3.3 | 163 |
| 16 | Conversion of xylose to ethanol under aerobic conditions by Candida tropicalis. Biotechnology Letters, 1981, 3, 213-218. | 1.1 | 150 |
| 17 | Saccharomyces cerevisiae Engineered for Xylose Metabolism Exhibits a Respiratory Response. Applied and Environmental Microbiology, 2004, 70, 6816-6825. | 1.4 | 146 |
| 18 | Ethanol and thermotolerance in the bioconversion of xylose by yeasts. Advances in Applied Microbiology, 2000, 47, 221-268. | 1.3 | 145 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Respiratory efficiency and metabolite partitioning as regulatory phenomena in yeasts. Enzyme and Microbial Technology, 1990, 12, 2-19. | 1.6 | 142 |
| 20 | A strong nitrogen source-regulated promoter for controlled expression of foreign genes in the yeast Pichia pastoris. Gene, 1998, 216, 93-102. | 1.0 | 137 |
| 21 | Emerging technology for fermenting -xylose. Trends in Biotechnology, 1985, 3, 208-212. | 4.9 | 119 |
| 22 | Nitrogen limitation, oxygen limitation, and lipid accumulation in Lipomyces starkeyi. Bioresource Technology, 2016, 200, 780-788. | 4.8 | 118 |
| 23 | Cofermentation of Glucose, Xylose, and Cellobiose by the Beetle-Associated Yeast Spathaspora passalidarum. Applied and Environmental Microbiology, 2012, 78, 5492-5500. | 1.4 | 117 |
| 24 | Mineralization of <sup>14</sup> C-Ring-Labeled Synthetic Lignin Correlates with the Production of Lignin Peroxidase, not of Manganese Peroxidase or Laccase. Applied and Environmental Microbiology, 1990, 56, 1806-1812. | 1.4 | 117 |
| 25 | Dilute oxalic acid pretreatment for biorefining giant reed (Arundo donax L.). Biomass and Bioenergy, 2011, 35, 3018-3024. | 2.9 | 113 |
| 26 | Biochemistry and genetics of microbial xylanases. Current Opinion in Biotechnology, 1996, 7, 337-342. | 3.3 | 111 |
| 27 | Conversion of Pentoses to Ethanol by Yeasts and Fungi. Critical Reviews in Biotechnology, 1989, 9, 1-40. | 5.1 | 109 |
| 28 | Production of ethanol from wood hydrolyzate by yeasts. Bioresource Technology, 2000, 72, 253-260. | 4.8 | 106 |
| 29 | Genomics and the making of yeast biodiversity. Current Opinion in Genetics and Development, 2015, 35, 100-109. | 1.5 | 105 |
| 30 | Strain selection, taxonomy, and genetics of xylose-fermenting yeasts. Enzyme and Microbial Technology, 1994, 16, 922-932. | 1.6 | 103 |
| 31 | Bioconversion of giant reed (Arundo donax L.) hemicellulose hydrolysate to ethanol by Scheffersomyces stipitis CBS6054. Biomass and Bioenergy, 2012, 39, 296-305. | 2.9 | 93 |
| 32 | Chromophore release from kraft pulp by purified streptomyces roseiscleroticus xylanases. Applied Microbiology and Biotechnology, 1993, 39, 405. | 1.7 | 92 |
| 33 | Enzymatic polishing of jute/cotton blended fabrics. Journal of Bioscience and Bioengineering, 1996, 81, 18-20. | 0.9 | 90 |
| 34 | Shuffling of Promoters for Multiple Genes To Optimize Xylose Fermentation in an Engineered <i>Saccharomyces cerevisiae</i> Strain. Applied and Environmental Microbiology, 2007, 73, 6072-6077. | 1.4 | 90 |
| 35 | <i>Pichia stipitis</i>genomics, transcriptomics, and gene clusters. FEMS Yeast Research, 2009, 9, 793-807. | 1.1 | 90 |
| 36 | Simultaneous saccharification and ethanol fermentation of oxalic acid pretreated corncob assessed with response surface methodology. Bioresource Technology, 2009, 100, 6307-6311. | 4.8 | 83 |

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|---|---|---|---|
| 37 | Hydrogen production by Anabaena cylindrica: effects of varying ammonium and ferric ions, pH, and light. Applied and Environmental Microbiology, 1978, 35, 704-710. | 1.4 | 83 |
| 38 | The roles of xylan and lignin in oxalic acid pretreated corncob during separate enzymatic hydrolysis and ethanol fermentation. Bioresource Technology, 2010, 101, 4379-4385. | 4.8 | 82 |
| 39 | Xylitol formation and key enzyme activities in Candida boidinii under different oxygen transfer rates. Journal of Bioscience and Bioengineering, 1995, 80, 513-516. | 0.9 | 81 |
| 40 | Evolutionary engineering of Saccharomyces cerevisiae for efficient aerobic xylose consumption. FEMS Yeast Research, 2012, 12, 582-597. | 1.1 | 81 |
| 41 | Biodegradation of lignin and hemicelluloses. , 1994, , 233-277. | | 75 |
| 42 | Molecular Cloning of XYL3 ( d -Xylulokinase) from Pichia stipitis and Characterization of Its Physiological Function. Applied and Environmental Microbiology, 2002, 68, 1232-1239. | 1.4 | 75 |
| 43 | Effects of aeration on growth, ethanol and polyol accumulation by <i>Spathaspora passalidarum</i> NRRL Yâ€•27907 and <i>Scheffersomyces stipitis</i> NRRL Yâ€•7124. Biotechnology and Bioengineering, 2015, 112, 457-469. | 1.7 | 75 |
| 44 | Purification, Characterization, and Substrate Specificities of Multiple Xylanases from <i>Streptomyces</i> sp. Strain B-12-2. Applied and Environmental Microbiology, 1994, 60, 2609-2615. | 1.4 | 75 |
| 45 | Alkaline-active xylanase produced by an alkaliphilicBacillus sp isolated from kraft pulp. Journal of Industrial Microbiology, 1995, 15, 434-441. | 0.9 | 72 |
| 46 | Transposon Mutagenesis To Improve the Growth of Recombinant Saccharomyces cerevisiae on d-Xylose. Applied and Environmental Microbiology, 2007, 73, 2061-2066. | 1.4 | 72 |
| 47 | Enzymic saccharification of alfalfa fibre after liquid hot water pretreatment. Process Biochemistry, 1999, 35, 33-41. | 1.8 | 71 |
| 48 | Stoichiometric network constraints on xylose metabolism by recombinant Saccharomyces cerevisiae. Metabolic Engineering, 2004, 6, 229-238. | 3.6 | 71 |
| 49 | Second generation bioethanol production from Saccharum spontaneum L. ssp. aegyptiacum (Willd.) Hack.. Bioresource Technology, 2010, 101, 5358-5365. | 4.8 | 71 |
| 50 | Effects of environmental conditions on production of xylitol byCandida boidinii. World Journal of Microbiology and Biotechnology, 1995, 11, 213-218. | 1.7 | 70 |
| 51 | Changing Flux of Xylose Metabolites by Altering Expression of Xylose Reductase and Xylitol Dehydrogenase in Recombinant Saccharomyces cerevisiae. Applied Biochemistry and Biotechnology, 2003, 106, 277-286. | 1.4 | 70 |
| 52 | Effectiveness of dilute oxalic acid pretreatment of MiscanthusÂÃ—Âgiganteus biomass for ethanol production. Biomass and Bioenergy, 2013, 59, 540-548. | 2.9 | 70 |
| 53 | Comparison of corn steep liquor with other nutrients in the fermentation of D-Xylose by Pichia stipitis CBS 6054. Biotechnology Letters, 1994, 16, 211-214. | 1.1 | 69 |
| 54 | <i>Pichia stipitis</i> Genes for Alcohol Dehydrogenase with Fermentative and Respiratory Functions. Applied and Environmental Microbiology, 1998, 64, 1350-1358. | 1.4 | 67 |

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|---|---|---|---|
| 55 | Dilute Acid Pretreatment of Corncob for Efficient Sugar Production. Applied Biochemistry and Biotechnology, 2011, 163, 658-668. | 1.4 | 64 |
| 56 | Production, Purification, and Characterization of Î²-(1-4)-Endoxylanase of <i>Streptomyces roseiscleroticus</i>. Applied and Environmental Microbiology, 1991, 57, 987-992. | 1.4 | 64 |
| 57 | Scale-up study of oxalic acid pretreatment of agricultural lignocellulosic biomass for the production of bioethanol. Bioresource Technology, 2011, 102, 7451-7456. | 4.8 | 63 |
| 58 | Anaerobic growth and improved fermentation of Pichia stipitis bearing a URA1 gene from Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 1998, 50, 339-345. | 1.7 | 62 |
| 59 | Disruption of the cytochromec gene in xylose-utilizing yeastPichia stipitis leads to higher ethanol production. , 1999, 15, 1021-1030. | | 61 |
| 60 | Ethanol fermentation on the move. Nature Biotechnology, 2005, 23, 40-41. | 9.4 | 60 |
| 61 | Effect of glucose supplements on the fermentation of xylose byPachysolen tannophilus. Biotechnology and Bioengineering, 1985, 27, 171-176. | 1.7 | 59 |
| 62 | Ethanol production from d-xylose in batch fermentations with Candida shehatae: process variables. Applied Microbiology and Biotechnology, 1986, 24, 294. | 1.7 | 58 |
| 63 | Levels of enzymes of the pentose phosphate pathway in Pachysolen tannophilus Y-2460 and selected mutants. Enzyme and Microbial Technology, 1986, 8, 353-359. | 1.6 | 57 |
| 64 | Xylitol production from DEO hydrolysate of corn stover by Pichia stipitis YS-30. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1649-1655. | 1.4 | 57 |
| 65 | Fermentation of hemicellulosic sugars and sugar mixtures byCandida shehatae. Biotechnology and Bioengineering, 1988, 31, 502-506. | 1.7 | 56 |
| 66 | High-efficiency transformation of Pichia stipitis based on its URA3 gene and a homologous autonomous replication sequence, ARS2. Applied and Environmental Microbiology, 1994, 60, 4245-4254. | 1.4 | 55 |
| 67 | Differential and synergistic action of Streptomyces endoxylanases in prebleaching of kraft pulps. Enzyme and Microbial Technology, 1995, 17, 954-959. | 1.6 | 52 |
| 68 | Cloning and disruption of the b-isopropylmalate dehydrogenase gene ( LEU2 â€Š) of Pichia stipitis with URA3 and recovery of the double auxotroph. Applied Microbiology and Biotechnology, 1998, 49, 141-146. | 1.7 | 52 |
| 69 | Roles for Microbial Enzymes in Pulp and Paper Processing. ACS Symposium Series, 1996, , 2-14. | 0.5 | 50 |
| 70 | Enzymatic hydrolysis, simultaneous saccharification and ethanol fermentation of oxalic acid pretreated giant reed (Arundo donax L.). Industrial Crops and Products, 2013, 49, 392-399. | 2.5 | 48 |
| 71 | SHAM-sensitive alternative respiration in the xylose-metabolizing yeastPichia stipitis. Yeast, 2002, 19, 1203-1220. | 0.8 | 45 |
| 72 | Response surface optimization of oxalic acid pretreatment of yellow poplar (Liriodendron tulipifera) for production of glucose and xylose monosaccarides. Bioresource Technology, 2011, 102, 1440-1446. | 4.8 | 45 |

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| 73 | Ethanol production from alfalfa fiber fractions by saccharification and fermentation. Process Biochemistry, 2001, 36, 1199-1204. | 1.8 | 44 |
| 74 | Genetic Engineering for Improved Xylose Fermentation by Yeasts. Advances in Biochemical Engineering/Biotechnology, 1999, 65, 117-161. | 0.6 | 43 |
| 75 | Xylitol production by a Pichia stipitis D-xylulokinase mutant. Applied Microbiology and Biotechnology, 2005, 68, 42-45. | 1.7 | 43 |
| 76 | An optimized transformation protocol for Lipomyces starkeyi. Current Genetics, 2014, 60, 223-230. | 0.8 | 43 |
| 77 | Xylose metabolism by Candida shehatae in continuous culture. Applied Microbiology and Biotechnology, 1988, 28, 478-486. | 1.7 | 42 |
| 78 | Sh ble and Cre adapted for functional genomics and metabolic engineering of Pichia stipitis. Enzyme and Microbial Technology, 2006, 38, 741-747. | 1.6 | 42 |
| 79 | Enzyme Processes for Pulp and Paper: A Review of Recent Developments. ACS Symposium Series, 2003, , 210-239. | 0.5 | 39 |
| 80 | Transcriptional Control of <i>ADH</i> Genes in the Xylose-Fermenting Yeast <i>Pichia stipitis</i>. Applied and Environmental Microbiology, 1999, 65, 2363-2368. | 1.4 | 37 |
| 81 | Selective production of extracellular peroxidases from Phanerochaete chrysosporium in an airlift bioreactor. Journal of Bioscience and Bioengineering, 1990, 70, 158-163. | 0.9 | 36 |
| 82 | Comparative study of xylanase kinetics using dinitrosalicylic, arsenomolybdate, and ion chromatographic assays. Applied Biochemistry and Biotechnology, 1998, 70-72, 257-265. | 1.4 | 34 |
| 83 | Molecular characterization of theHansenula polymorphaFLD1 gene encoding formaldehyde dehydrogenase. Yeast, 2002, 19, 37-42. | 0.8 | 34 |
| 84 | Purification and properties of xylitol dehydrogenase from the xylose-fermenting yeastCandida shehatae. Applied Biochemistry and Biotechnology, 1990, 26, 197-206. | 1.4 | 33 |
| 85 | Mutants of Pachysolen tannophilus showing enhanced rates of growth and ethanol formation from d-xylose. Enzyme and Microbial Technology, 1984, 6, 254-258. | 1.6 | 31 |
| 86 | Characterisation of the gene cluster for l-rhamnose catabolism in the yeast Scheffersomyces (Pichia) stipitis. Gene, 2012, 492, 177-185. | 1.0 | 31 |
| 87 | Continuous ethanol production fromD-xylose byCandida shehatae. Biotechnology and Bioengineering, 1987, 30, 685-691. | 1.7 | 29 |
| 88 | Production and Ecological Significance of Yeast Cell Wall-Degrading Enzymes from Oerskovia. Applied and Environmental Microbiology, 1978, 36, 594-605. | 1.4 | 29 |
| 89 | Cloning and Characterization of Two Pyruvate Decarboxylase Genes from Pichia stipitis CBS 6054. Applied and Environmental Microbiology, 1998, 64, 94-97. | 1.4 | 29 |
| 90 | Bioconversion of Secondary Fiber Fines to Ethanol Using Counter-Current Enzymatic Saccharification and Co-Fermentation. Applied Biochemistry and Biotechnology, 1999, 78, 435-444. | 1.4 | 28 |

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|---|---|---|---|
| 91 | Ethanol production from non-detoxified whole slurry of sulfite-pretreated empty fruit bunches at a low cellulase loading. Bioresource Technology, 2014, 164, 331-337. | 4.8 | 28 |
| 92 | Role of organic acid chelators in manganese regulation of lignin degradation byPhanerochaete chrysosporium. Applied Biochemistry and Biotechnology, 1993, 39-40, 227-238. | 1.4 | 27 |
| 93 | Characterization and Complementation of a Pichia stipitis Mutant Unable to Grow on D-Xylose or L-Arabinose. Applied Biochemistry and Biotechnology, 2000, 84-86, 201-216. | 1.4 | 26 |
| 94 | Characteristics and Adaptability of Some New Isolates of <i>Clostridium thermocellum</i>. Applied and Environmental Microbiology, 1985, 49, 475-477. | 1.4 | 25 |
| 95 | Xylitol formation by Candida boidinii in oxygen limited chemostat culture. Biotechnology Letters, 1996, 18, 753-758. | 1.1 | 24 |
| 96 | Response surface methodology (RSM) to evaluate moisture effects on corn stover in recovering xylose by DEO hydrolysis. Bioresource Technology, 2012, 108, 134-139. | 4.8 | 22 |
| 97 | Regulation of Ligninase Production in White-Rot Fungi. ACS Symposium Series, 1991, , 200-206. | 0.5 | 21 |
| 98 | 2-Deoxyglucose as a Selective Agent for Derepressed Mutants of Pichia stipitis. Applied Biochemistry and Biotechnology, 1999, 77, 211-222. | 1.4 | 21 |
| 99 | Evaluation of Ethanol Production from Corncob Using Scheffersomyces (Pichia) stipitis CBS 6054 by Volumetric Scale-up. Applied Biochemistry and Biotechnology, 2011, 165, 814-822. | 1.4 | 21 |
| 100 | Enzymatic Treatments of Pulps. ACS Symposium Series, 1992, , 313-329. | 0.5 | 20 |
| 101 | Action patterns of (1â†'3)-Î²-d-glucanases from Oerskovia xanthineolytica on laminaran, lichenan, and yeast glucan. Carbohydrate Research, 1981, 95, 87-100. | 1.1 | 19 |
| 102 | The role of alcohol dehydrogenase in the fermentation of D-xylose byCandida shehatae ATCC 22984. Biotechnology Letters, 1988, 10, 37-42. | 1.1 | 19 |
| 103 | The effect of initial cell concentration on xylose fermentation by Pichia stipitis. Applied Biochemistry and Biotechnology, 2007, 137-140, 653-662. | 1.4 | 18 |
| 104 | Fermentation Kinetics for Xylitol Production by a Pichia stipitis d-Xylulokinase Mutant Previously Grown in Spent Sulfite Liquor. Applied Biochemistry and Biotechnology, 2008, 148, 199-209. | 1.4 | 18 |
| 105 | Comprehensive evaluation of two genomeâ€scale metabolic network models for <i>Scheffersomyces stipitis</i>. Biotechnology and Bioengineering, 2015, 112, 1250-1262. | 1.7 | 18 |
| 106 | Engineering the <i>Pichia stipitis</i> Genome for Fermentation of Hemicellulose Hydrolysates. , 0, , 37-47. | | 18 |
| 107 | Continuous xylose fermentation byCandida shehatae in a two-stage reactor. Applied Biochemistry and Biotechnology, 1988, 17, 221-229. | 1.4 | 17 |
| 108 | Molecular Characterization of a Gene for Aldose Reductase ( CbXYL1) from Candida boidinii and Its Expression in Saccharomyces cerevisiae. Applied Biochemistry and Biotechnology, 2003, 106, 265-276. | 1.4 | 17 |

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|---|---|---|---|
| 109 | Diminished Respirative Growth and Enhanced Assimilative Sugar Uptake Result in Higher Specific Fermentation Rates by the MutantPichia stipitis FPL-061. Applied Biochemistry and Biotechnology, 1997, 63-65, 109-116. | 1.4 | 16 |
| 110 | Rapid 2,2'-bicinchoninic-based xylanase assay compatible with high throughput screening. Biotechnology Letters, 2003, 25, 1619-1623. | 1.1 | 15 |
| 111 | Effects of Nitrate on Fermentation of Xylose and Glucose by Pachysolen Tannophilus. Nature Biotechnology, 1983, 1, 503-506. | 9.4 | 14 |
| 112 | Batch and membrane-assisted cell recycling in ethanol production byCandida shehatae. Biotechnology Letters, 1987, 9, 293-298. | 1.1 | 13 |
| 113 | Genetic transformation of Aureobasidium pullulans. Journal of Biotechnology, 1991, 21, 283-288. | 1.9 | 13 |
| 114 | Characterization and N-Terminal Amino Acid Sequences of Î²-(1-4)Endoxylanases from Streptomyces roseiscleroticus: Purification Incorporating a Bioprocessing Agent. Protein Expression and Purification, 1993, 4, 120-129. | 0.6 | 13 |
| 115 | Elucidating redox balance shift in Scheffersomyces stipitisâ€™ fermentative metabolism using a modified genome-scale metabolic model. Microbial Cell Factories, 2018, 17, 140. | 1.9 | 13 |
| 116 | Increased Xylose Reductase Activity in the Xylose-Fermenting Yeast Pichia stipitis by Overexpression of XYL1. , 1996, 57-58, 267-276. | | 13 |
| 117 | Toner Removal by Alkaline-Active Cellulases from Desert Basidiomycetes. ACS Symposium Series, 1996, , 267-279. | 0.5 | 11 |
| 118 | Effects of Gene Orientation and Use of Multiple Promoters on the Expression of XYL1 and XYL2 in Saccharomyces cerevisiae. Applied Biochemistry and Biotechnology, 2008, 145, 69-78. | 1.4 | 11 |
| 119 | Continuous-Culture Responses of Candida shehatae to Shifts in Temperature and Aeration: Implications for Ethanol Inhibition. Applied and Environmental Microbiology, 1989, 55, 2152-2154. | 1.4 | 11 |
| 120 | Unstable petite and grande variants of Candida shehatae. Biotechnology Letters, 1984, 6, 777-782. | 1.1 | 10 |
| 121 | Increased xylose reductase activity in the xylose-fermenting yeastPichia stipitis by overexpression ofXYL1. Applied Biochemistry and Biotechnology, 1996, 57-58, 267-276. | 1.4 | 10 |
| 122 | Regulation of phosphotransferases in glucose- and xylose-fermenting yeasts. Applied Biochemistry and Biotechnology, 1997, 63-65, 97-108. | 1.4 | 10 |
| 123 | We march backwards into the future. Current Opinion in Biotechnology, 2009, 20, 255-256. | 3.3 | 10 |
| 124 | Effect of corn steep liquor on fermentation of mixed sugars byCandida shehatae FPL-702. Applied Biochemistry and Biotechnology, 1996, 57-58, 551-561. | 1.4 | 9 |
| 125 | Comparison of multiple gene assembly methods for metabolic engineering. Applied Biochemistry and Biotechnology, 2007, 137-140, 703-710. | 1.4 | 8 |
| 126 | Interactions of fungi from fermented sausage with regenerated cellulose casings. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1793-1802. | 1.4 | 8 |

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| 127 | Enzymatic hydrolysis of the walls of yeasts cells and germinated fungal spores. Biochimica Et Biophysica Acta - General Subjects, 1977, 499, 10-23. | 1.1 | 7 |
| 128 | Pretreatments for Converting Wood into Paper and Chemicals. ACS Symposium Series, 2007, , 392-408. | 0.5 | 7 |
| 129 | Spathaspora passalidarum selected for resistance to AFEX hydrolysate shows decreased cell yield. FEMS Yeast Research, 2018, 18, . | 1.1 | 7 |
| 130 | Biodegradation of lignin-carbohydrate complexes. , 1991, , 163-176. | | 7 |
| 131 | Growth Inhibition of Rhodopseudomonas capsulata by Methylmercury Acetate. Applied Microbiology, 1975, 30, 156-158. | 0.6 | 7 |
| 132 | Intermittent illumination increases biophotolytic hydrogen yield by Anabaena cylindrica. Applied and Environmental Microbiology, 1978, 35, 1228-1230. | 1.4 | 7 |
| 133 | Evaluation of Oxalic Acid Pretreatment Condition Using Response Surface Method for Producing Bio-ethanol from Yellow Poplar (Liriodendron tulipifera) by Simultaneous Saccharification and Fermentation. Journal of the Korean Wood Science and Technology, 2011, 39, 75-85. | 0.8 | 7 |
| 134 | A variable-tilt fermentation rack for screening organisms in microfuge tubes. Biotechnology Letters, 1996, 10, 239. | 0.5 | 5 |
| 135 | Comparative Study of Xylanase Kinetics Using Dinitrosalicylic, Arsenomolybdate, and Ion Chromatographie Assays. , 1998, , 257-265. | | 5 |
| 136 | Growth Inhibition of <i>Rhodopseudomonas capsulata</i> by Methylmercury Acetate. Applied Microbiology, 1975, 30, 156-158. | 0.6 | 5 |
| 137 | Elucidating xylose metabolism of scheffersomyces stipitis by integrating principal component analysis with flux balance analysis. , 2013, , . | | 3 |
| 138 | Effect of Corn Steep Liquor on Fermentation of Mixed Sugars by Candida shehatae FPL-702. , 1996, , 551-561. | | 3 |
| 139 | Feedstocks: New Supplies and Processing. Applied Biochemistry and Biotechnology, 1999, 77, 3-4. | 1.4 | 2 |
| 140 | Introduction of a special issue on biotechnology for the pulp and paper industry. Enzyme and Microbial Technology, 2008, 43, 77. | 1.6 | 2 |
| 141 | Regulation of Phosphotransferases in Glucose- and Xylose-Fermenting Yeasts. , 1997, , 97-108. | | 2 |
| 142 | Bioethanol Production Using By-product of VPP (Value Prior to Pulping). Journal of the Korean Wood Science and Technology, 2010, 38, 561-567. | 0.8 | 2 |
| 143 | Multiple-variant design for the enrichment of photosynthetic bacterial populations. Canadian Journal of Microbiology, 1975, 21, 1046-1054. | 0.8 | 1 |
| 144 | Enzymatic Solutions to Enhance Bonding, Bleaching and Contaminant Removal,. Materials Research Society Symposia Proceedings, 1992, 266, 277. | 0.1 | 1 |

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| 145 | Genetics and Genomics in Bioenergy and Bioproducts. Applied Biochemistry and Biotechnology, 2003, 107, 631-632. | 1.4 | 1 |
| 146 | Characterization and Complementation of a Pichia stipitis Mutant Unable to Grow on D-Xylose or L-Arabinose. , 2000, , 201-216. | | 1 |
| 147 | Molecular Characterization of a Gene for Aldose Reductase (CbXYL1) from Candida boidinii and Its Expression in Saccharomyces cerevisiae. , 2003, , 265-276. | | 0 |
| 148 | A new generation. Journal of Industrial Microbiology and Biotechnology, 2010, 37, 641-642. | 1.4 | 0 |
| 149 | Protein Expression in Nonconventional Yeasts. , 2014, , 302-317. | | 0 |
| 150 | Introduction to Microbial Catalysis and Engineering. , 2004, 113-116, 323-324. | | 0 |
| 151 | Fermentation Kinetics for Xylitol Production by a Pichia stipitis d-Xylulokinase Mutant Previously Grown in Spent Sulfite Liquor. , 2007, , 717-727. | | 0 |
| 152 | Diminished Respirative Growth and Enhanced Assimilative Sugar Uptake Result in Higher Specific Fermentation Rates by the Mutant Pichia stipitis FPL-061. , 1997, , 109-116. | | 0 |
| 153 | 2-Deoxyglucose as a Selective Agent for Derepressed Mutants of Pichia stipitis. , 1999, , 211-222. | | 0 |