

Guido Zacchi

List of Publications by Year in descending order

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136
papers

11,826
citations

26567

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103
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139
all docs

139
docs citations

139
times ranked

7228
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | The generation of fermentation inhibitors during dilute acid hydrolysis of softwood. <i>Enzyme and Microbial Technology</i> , 1999, 24, 151-159. | 1.6 | 895 |
| 2 | Techno-Economic Evaluation of Producing Ethanol from Softwood: Comparison of SSF and SHF and Identification of Bottlenecks. <i>Biotechnology Progress</i> , 2008, 19, 1109-1117. | 1.3 | 532 |
| 3 | Effect of hemicellulose and lignin removal on enzymatic hydrolysis of steam pretreated corn stover. <i>Bioresource Technology</i> , 2007, 98, 2503-2510. | 4.8 | 474 |
| 4 | Adsorption of <i>Trichoderma reesei</i> CBH I and EG II and their catalytic domains on steam pretreated softwood and isolated lignin. <i>Journal of Biotechnology</i> , 2004, 107, 65-72. | 1.9 | 424 |
| 5 | Pretreatment of Lignocellulosic Materials for Efficient Bioethanol Production. , 2007, 108, 41-65. | | 408 |
| 6 | Techno-economic evaluation of bioethanol production from three different lignocellulosic materials. <i>Biomass and Bioenergy</i> , 2008, 32, 422-430. | 2.9 | 377 |
| 7 | Pretreatment: The key to efficient utilization of lignocellulosic materials. <i>Biomass and Bioenergy</i> , 2012, 46, 70-78. | 2.9 | 353 |
| 8 | A comparison between simultaneous saccharification and fermentation and separate hydrolysis and fermentation using steam-pretreated corn stover. <i>Process Biochemistry</i> , 2007, 42, 834-839. | 1.8 | 290 |
| 9 | Simultaneous saccharification and co-fermentation of glucose and xylose in steam-pretreated corn stover at high fiber content with <i>Saccharomyces cerevisiae</i> TMB3400. <i>Journal of Biotechnology</i> , 2006, 126, 488-498. | 1.9 | 245 |
| 10 | A techno-economical comparison of three processes for the production of ethanol from pine. <i>Bioresource Technology</i> , 1995, 51, 43-52. | 4.8 | 221 |
| 11 | Isolation and characterization of galactoglucomannan from spruce (<i>Picea abies</i>). <i>Carbohydrate Polymers</i> , 2002, 48, 29-39. | 5.1 | 215 |
| 12 | Reduced inhibition of enzymatic hydrolysis of steam-pretreated softwood. <i>Enzyme and Microbial Technology</i> , 2001, 28, 835-844. | 1.6 | 214 |
| 13 | Techno-economic evaluation of 2nd generation bioethanol production from sugar cane bagasse and leaves integrated with the sugar-based ethanol process. <i>Biotechnology for Biofuels</i> , 2012, 5, 22. | 6.2 | 210 |
| 14 | Fuel ethanol production from steam-pretreated corn stover using SSF at higher dry matter content. <i>Biomass and Bioenergy</i> , 2006, 30, 863-869. | 2.9 | 192 |
| 15 | The effect of water-soluble inhibitors from steam-pretreated willow on enzymatic hydrolysis and ethanol fermentation. <i>Enzyme and Microbial Technology</i> , 1996, 19, 470-476. | 1.6 | 181 |
| 16 | Steam pretreatment of H ₂ SO ₄ -impregnated <i>Salix</i> for the production of bioethanol. <i>Bioresource Technology</i> , 2008, 99, 137-145. | 4.8 | 175 |
| 17 | Two-step steam pretreatment of softwood by dilute H ₂ SO ₄ impregnation for ethanol production. <i>Biomass and Bioenergy</i> , 2003, 24, 475-486. | 2.9 | 164 |
| 18 | The effect of Tween-20 on simultaneous saccharification and fermentation of softwood to ethanol. <i>Enzyme and Microbial Technology</i> , 2003, 33, 71-78. | 1.6 | 157 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Cost Analysis of Ethanol Production from Willow Using Recombinant Escherichia coli. <i>Biotechnology Progress</i> , 1994, 10, 555-560. | 1.3 | 156 |
| 20 | A comparison between batch and fed-batch simultaneous saccharification and fermentation of steam pretreated spruce. <i>Enzyme and Microbial Technology</i> , 2005, 37, 195-204. | 1.6 | 145 |
| 21 | Comparison of SO ₂ and H ₂ SO ₄ impregnation of softwood prior to steam pretreatment on ethanol production. <i>Applied Biochemistry and Biotechnology</i> , 1998, 70-72, 3-15. | 1.4 | 144 |
| 22 | Optimisation of steam pretreatment of SO ₂ -impregnated mixed softwoods for ethanol production. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 71, 299-308. | 1.6 | 142 |
| 23 | Ethanol production from non-starch carbohydrates of wheat bran. <i>Bioresource Technology</i> , 2005, 96, 843-850. | 4.8 | 142 |
| 24 | Process Engineering Economics of Bioethanol Production. , 2007, 108, 303-327. | | 141 |
| 25 | Design and operation of a bench-scale process development unit for the production of ethanol from lignocellulosics. <i>Bioresource Technology</i> , 1996, 58, 171-179. | 4.8 | 136 |
| 26 | Effect of substrate and cellulase concentration on simultaneous saccharification and fermentation of steam-pretreated softwood for ethanol production. , 2000, 68, 204-210. | | 134 |
| 27 | High temperature enzymatic prehydrolysis prior to simultaneous saccharification and fermentation of steam pretreated corn stover for ethanol production. <i>Enzyme and Microbial Technology</i> , 2007, 40, 607-613. | 1.6 | 134 |
| 28 | Simultaneous detoxification and enzyme production of hemicellulose hydrolysates obtained after steam pretreatment. <i>Enzyme and Microbial Technology</i> , 1997, 20, 286-293. | 1.6 | 131 |
| 29 | Ethanol from lignocellulosics: A review of the economy. <i>Bioresource Technology</i> , 1996, 56, 131-140. | 4.8 | 122 |
| 30 | Bioethanol production based on simultaneous saccharification and fermentation of steam-pretreated Salix at high dry-matter content. <i>Enzyme and Microbial Technology</i> , 2006, 39, 756-762. | 1.6 | 121 |
| 31 | Comparative enzymatic hydrolysis of pretreated spruce by supernatants, whole fermentation broths and washed mycelia of <i>Trichoderma reesei</i> and <i>Trichoderma atroviride</i> . <i>Bioresource Technology</i> , 2009, 100, 1350-1357. | 4.8 | 115 |
| 32 | Ethanol production from mixtures of wheat straw and wheat meal. <i>Biotechnology for Biofuels</i> , 2010, 3, 16. | 6.2 | 115 |
| 33 | Bioconversion of industrial hemp to ethanol and methane: The benefits of steam pretreatment and co-production. <i>Bioresource Technology</i> , 2011, 102, 3457-3465. | 4.8 | 114 |
| 34 | Optimization of Steam Pretreatment of SO ₂ -Impregnated Corn Stover for Fuel Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2005, 124, 1055-1068. | 1.4 | 113 |
| 35 | Simultaneous saccharification and fermentation of steam-pretreated bagasse using <i>Saccharomyces cerevisiae</i> TMB3400 and <i>Pichia stipitis</i> CBS6054. <i>Biotechnology and Bioengineering</i> , 2008, 99, 783-790. | 1.7 | 108 |
| 36 | Ethanol and biogas production after steam pretreatment of corn stover with or without the addition of sulphuric acid. <i>Biotechnology for Biofuels</i> , 2013, 6, 11. | 6.2 | 101 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Steam pretreatment of dry and ensiled industrial hemp for ethanol production. <i>Biomass and Bioenergy</i> , 2010, 34, 1721-1731. | 2.9 | 100 |
| 38 | Optimization of Steam Pretreatment of Corn Stover to Enhance Enzymatic Digestibility. <i>Applied Biochemistry and Biotechnology</i> , 2004, 114, 509-524. | 1.4 | 98 |
| 39 | Extraction of Hemicellulosic Oligosaccharides from Spruce Using Microwave Oven or Steam Treatment. <i>Biomacromolecules</i> , 2003, 4, 617-623. | 2.6 | 95 |
| 40 | Enzymatic hydrolysis of steam-pretreated lignocellulosic materials with <i>Trichoderma atroviride</i> enzymes produced in-house. <i>Biotechnology for Biofuels</i> , 2009, 2, 14. | 6.2 | 94 |
| 41 | Characterization of galactoglucomannan extracted from spruce (<i>Picea abies</i>) by heat-fractionation at different conditions. <i>Carbohydrate Polymers</i> , 2003, 51, 203-211. | 5.1 | 93 |
| 42 | Influence of strain and cultivation procedure on the performance of simultaneous saccharification and fermentation of steam pretreated spruce. <i>Enzyme and Microbial Technology</i> , 2006, 38, 279-286. | 1.6 | 93 |
| 43 | Simultaneous saccharification and co-fermentation for bioethanol production using corncobs at lab, PDU and demo scales. <i>Biotechnology for Biofuels</i> , 2013, 6, 2. | 6.2 | 91 |
| 44 | Energy considerations for a SSF-based softwood ethanol plant. <i>Bioresource Technology</i> , 2008, 99, 2121-2131. | 4.8 | 90 |
| 45 | Impact of impregnation time and chip size on sugar yield in pretreatment of softwood for ethanol production. <i>Bioresource Technology</i> , 2009, 100, 6312-6316. | 4.8 | 88 |
| 46 | Effect of substrate and cellulase concentration on simultaneous saccharification and fermentation of steam-pretreated softwood for ethanol production. , 2000, 68, 204. | | 88 |
| 47 | Two-Step Steam Pretreatment of Softwood with SO ₂ Impregnation for Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2002, 98-100, 5-22. | 1.4 | 87 |
| 48 | Separate versus Simultaneous Saccharification and Fermentation of Two-Step Steam Pretreated Softwood for Ethanol Production. <i>Journal of Wood Chemistry and Technology</i> , 2005, 25, 187-202. | 0.9 | 86 |
| 49 | The influence of SO ₂ and H ₂ SO ₄ impregnation of willow prior to steam pretreatment. <i>Bioresource Technology</i> , 1995, 52, 225-229. | 4.8 | 81 |
| 50 | <i>Trichoderma atroviride</i> mutants with enhanced production of cellulase and β-glucosidase on pretreated willow. <i>Enzyme and Microbial Technology</i> , 2008, 43, 48-55. | 1.6 | 78 |
| 51 | Production of fuel ethanol from softwood by simultaneous saccharification and fermentation at high dry matter content. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 570-577. | 1.6 | 75 |
| 52 | Steam Pretreatment of <i>Salix</i> with and without SO ₂ Impregnation for Production of Bioethanol. <i>Applied Biochemistry and Biotechnology</i> , 2005, 124, 1101-1118. | 1.4 | 70 |
| 53 | Extraction of water-soluble hemicelluloses from barley husks. <i>Bioresource Technology</i> , 2009, 100, 763-769. | 4.8 | 68 |
| 54 | Simultaneous saccharification and fermentation of steam-pretreated willow. <i>Enzyme and Microbial Technology</i> , 1995, 17, 255-259. | 1.6 | 66 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Optimization of temperature and enzyme concentration in the enzymatic saccharification of steam-pretreated willow. <i>Enzyme and Microbial Technology</i> , 1990, 12, 225-228. | 1.6 | 65 |
| 56 | Process Design and Economics of On-Site Cellulase Production on Various Carbon Sources in a Softwood-Based Ethanol Plant. <i>Enzyme Research</i> , 2010, 2010, 1-8. | 1.8 | 63 |
| 57 | Separate hydrolysis and co-fermentation for improved xylose utilization in integrated ethanol production from wheat meal and wheat straw. <i>Biotechnology for Biofuels</i> , 2012, 5, 12. | 6.2 | 61 |
| 58 | The effect of prehydrolysis and improved mixing on high-solids batch simultaneous saccharification and fermentation of spruce to ethanol. <i>Process Biochemistry</i> , 2013, 48, 289-293. | 1.8 | 61 |
| 59 | Optimization of Steam Pretreatment of Corn Stover to Enhance Enzymatic Digestibility. , 2004, , 509-523. | | 59 |
| 60 | Cellulase Production of <i>Trichoderma reesei</i> Rut C 30 Using Steam-Pretreated Spruce. <i>Applied Biochemistry and Biotechnology</i> , 2000, 84-86, 679-692. | 1.4 | 58 |
| 61 | Effect of Washing on Yield in One- and Two-Step Steam Pretreatment of Softwood for Production of Ethanol. <i>Biotechnology Progress</i> , 2004, 20, 744-749. | 1.3 | 58 |
| 62 | The influence of lactic acid formation on the simultaneous saccharification and fermentation (SSF) of softwood to ethanol. <i>Enzyme and Microbial Technology</i> , 2000, 26, 71-79. | 1.6 | 57 |
| 63 | Techno-economic evaluation of stillage treatment with anaerobic digestion in a softwood-to-ethanol process. <i>Biotechnology for Biofuels</i> , 2010, 3, 21. | 6.2 | 56 |
| 64 | Isolation and characterization of water-soluble hemicelluloses from flax shive. <i>Carbohydrate Research</i> , 2003, 338, 1869-1876. | 1.1 | 55 |
| 65 | Transmission of BSA during cross-flow microfiltration: influence of pH and salt concentration. <i>Journal of Membrane Science</i> , 2003, 223, 11-21. | 4.1 | 54 |
| 66 | Process Considerations and Economic Evaluation of Two-Step Steam Pretreatment for Production of Fuel Ethanol from Softwood. <i>Biotechnology Progress</i> , 2004, 20, 1421-1429. | 1.3 | 54 |
| 67 | Effects of enzyme feeding strategy on ethanol yield in fed-batch simultaneous saccharification and fermentation of spruce at high dry matter. <i>Biotechnology for Biofuels</i> , 2010, 3, 14. | 6.2 | 54 |
| 68 | Effect of Reduction in Yeast and Enzyme Concentrations in a Simultaneous-Saccharification-and-Fermentation-Based Bioethanol Process: Technical and Economic Evaluation. <i>Applied Biochemistry and Biotechnology</i> , 2005, 122, 0485-0500. | 1.4 | 52 |
| 69 | Recirculation of process water in the production of ethanol from softwood. <i>Bioresource Technology</i> , 1997, 60, 143-151. | 4.8 | 50 |
| 70 | Separation of lactic acid-producing bacteria from fermentation broth using a ceramic microfiltration membrane with constant permeate flow. <i>Biotechnology and Bioengineering</i> , 2001, 72, 269-277. | 1.7 | 50 |
| 71 | Steam Pretreatment of Acid-Sprayed and Acid-Soaked Barley Straw for Production of Ethanol. <i>Applied Biochemistry and Biotechnology</i> , 2006, 130, 546-562. | 1.4 | 49 |
| 72 | Pretreatment of barley husk for bioethanol production. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 85-91. | 1.6 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Simulation of chromatographic processes applied to separation of proteins. <i>Journal of Chromatography A</i> , 1999, 846, 1-12. | 1.8 | 46 |
| 74 | Integration options for high energy efficiency and improved economics in a wood-to-ethanol process. <i>Biotechnology for Biofuels</i> , 2008, 1, 4. | 6.2 | 46 |
| 75 | Economic evaluation of enzymatic hydrolysis of phenol-pretreated wheat straw. <i>Biotechnology and Bioengineering</i> , 1988, 32, 460-466. | 1.7 | 43 |
| 76 | A heterologous reductase affects the redox balance of recombinant <i>Saccharomyces cerevisiae</i> . <i>Microbiology (United Kingdom)</i> , 1996, 142, 165-172. | 0.7 | 42 |
| 77 | Effect of Acetic Acid and Furfural on Cellulase Production of <i>Trichoderma reesei</i> RUT C30. <i>Applied Biochemistry and Biotechnology</i> , 2000, 89, 31-42. | 1.4 | 42 |
| 78 | SSF of steam-pretreated wheat straw with the addition of saccharified or fermented wheat meal in integrated bioethanol production. <i>Biotechnology for Biofuels</i> , 2013, 6, 169. | 6.2 | 41 |
| 79 | Electronic Speckle Pattern Interferometry: A Tool for Determining Diffusion and Partition Coefficients for Proteins in Gels. <i>Biotechnology Progress</i> , 2002, 18, 1423-1430. | 1.3 | 39 |
| 80 | Combined Use of H ₂ SO ₄ and SO ₂ Impregnation for Steam Pretreatment of Spruce in Ethanol Production. <i>Applied Biochemistry and Biotechnology</i> , 2003, 105, 127-140. | 1.4 | 36 |
| 81 | The influence of solid/liquid separation techniques on the sugar yield in two-step dilute acid hydrolysis of softwood followed by enzymatic hydrolysis. <i>Biotechnology for Biofuels</i> , 2009, 2, 6. | 6.2 | 36 |
| 82 | Simultaneous saccharification and co-fermentation of whole wheat in integrated ethanol production. <i>Biomass and Bioenergy</i> , 2013, 56, 506-514. | 2.9 | 36 |
| 83 | A kinetic model for enzymatic wheat starch saccharification. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 306-314. | 1.6 | 34 |
| 84 | The influence of ferrous sulfate utilization on the sugar yields from dilute-acid pretreatment of softwood for bioethanol production. <i>Bioresource Technology</i> , 2011, 102, 1103-1108. | 4.8 | 34 |
| 85 | Measurement of diffusion coefficients in gels using holographic laser interferometry. <i>Biotechnology Progress</i> , 1993, 9, 436-441. | 1.3 | 33 |
| 86 | Use of holographic laser interferometry to study the diffusion of polymers in gels. <i>Biotechnology and Bioengineering</i> , 2000, 69, 654-663. | 1.7 | 33 |
| 87 | Enzymatic hydrolysis and simultaneous saccharification and fermentation of steam-pretreated spruce using crude <i>Trichoderma reesei</i> and <i>Trichoderma atroviride</i> enzymes. <i>Process Biochemistry</i> , 2009, 44, 1323-1329. | 1.8 | 33 |
| 88 | Recycling of process streams in ethanol production from softwoods based on enzymatic hydrolysis. <i>Applied Biochemistry and Biotechnology</i> , 1998, 70-72, 697-708. | 1.4 | 32 |
| 89 | Evaluation of steam-pretreated giant bamboo for production of fermentable sugars. <i>Biotechnology Progress</i> , 2011, 27, 641-649. | 1.3 | 32 |
| 90 | Economic evaluation of isolation of hemicelluloses from process streams from thermomechanical pulping of spruce. <i>Applied Biochemistry and Biotechnology</i> , 2007, 137-140, 741-752. | 1.4 | 30 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Simultaneous Saccharification and Fermentation of Steam-Pretreated Spruce to Ethanol. Applied Biochemistry and Biotechnology, 2000, 84-86, 69-80. | 1.4 | 28 |
| 92 | Simulation of ethanol production processes based on enzymatic hydrolysis of lignocellulosic materials using aspen plus. Applied Biochemistry and Biotechnology, 1992, 34-35, 93-104. | 1.4 | 27 |
| 93 | Cellulose production based on hemicellulose hydrolysate from steam-pretreated willow. Applied Biochemistry and Biotechnology, 1997, 63-65, 351-362. | 1.4 | 26 |
| 94 | Separation of Cells and Proteins from Fermentation Broth in a Shear-Enhanced Cross-Flow Ultrafiltration Module as the First Step in the Refinement of Lactic Acid. Applied Biochemistry and Biotechnology, 1999, 76, 143-158. | 1.4 | 25 |
| 95 | Recirculation of Process Streams in Fuel Ethanol Production from Softwood Based on Simultaneous Saccharification and Fermentation. Applied Biochemistry and Biotechnology, 2002, 98-100, 849-862. | 1.4 | 25 |
| 96 | Comparison of energy potentials from combined ethanol and methane production using steam-pretreated corn stover impregnated with acetic acid. Biomass and Bioenergy, 2014, 67, 413-424. | 2.9 | 24 |
| 97 | Sequential Targeting of Xylose and Glucose Conversion in Fed-Batch Simultaneous Saccharification and Co-fermentation of Steam-Pretreated Wheat Straw for Improved Xylose Conversion to Ethanol. Bioenergy Research, 2017, 10, 800-810. | 2.2 | 24 |
| 98 | Diffusivity measurements using holographic laser interferometry in a cubic lipid-water phase. Chemistry and Physics of Lipids, 1996, 84, 1-12. | 1.5 | 22 |
| 99 | Influence of different SSF conditions on ethanol production from corn stover at high solids loadings. Energy Science and Engineering, 2015, 3, 481-489. | 1.9 | 22 |
| 100 | The effect of mixed agricultural feedstocks on steam pretreatment, enzymatic hydrolysis, and cofermentation in the lignocellulose-to-ethanol process. Biomass Conversion and Biorefinery, 2020, 10, 253-266. | 2.9 | 21 |
| 101 | Two-Stage Steam Pretreatment of Willow for Increased Pentose Yield. Journal of Wood Chemistry and Technology, 1988, 8, 379-392. | 0.9 | 20 |
| 102 | Improved one-step steam pretreatment of SO ₂ -impregnated softwood with time-dependent temperature profile for ethanol production. Biotechnology Progress, 2010, 26, 1054-1060. | 1.3 | 19 |
| 103 | Combined Steam Pretreatment and Enzymatic Hydrolysis of Starch-Free Wheat Fibers. Applied Biochemistry and Biotechnology, 2004, 115, 0989-1002. | 1.4 | 18 |
| 104 | Performance of batch and continuous reactors with coimmobilized yeast and Î ² galactosidase. Journal of Chemical Technology and Biotechnology, 1991, 52, 227-241. | 1.6 | 18 |
| 105 | Impact of dual temperature profile in dilute acid hydrolysis of spruce for ethanol production. Biotechnology for Biofuels, 2010, 3, 15. | 6.2 | 18 |
| 106 | Influence of impregnation with lactic acid on sugar yields from steam pretreatment of sugarcane bagasse and spruce, for bioethanol production. Biomass and Bioenergy, 2011, 35, 3115-3122. | 2.9 | 18 |
| 107 | Influence of fiber degradation and concentration of fermentable sugars on simultaneous saccharification and fermentation of high-solids spruce slurry to ethanol. Biotechnology for Biofuels, 2013, 6, 145. | 6.2 | 18 |
| 108 | Modeling Simultaneous Saccharification and Fermentation of Softwood. Applied Biochemistry and Biotechnology, 2002, 98-100, 733-746. | 1.4 | 16 |

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|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Light deflection and convection in diffusion experiments using holographic interferometry. Journal Physics D: Applied Physics, 2001, 34, 3088-3096. | 1.3 | 15 |
| 110 | Comparison of diafiltration and size-exclusion chromatography to recover hemicelluloses from process water from thermomechanical pulping of spruce. Applied Biochemistry and Biotechnology, 2007, 137-140, 971-983. | 1.4 | 15 |
| 111 | Hydrolysis of Nonstarch Carbohydrates of Wheat-Starch Effluent for Ethanol Production. Biotechnology Progress, 2008, 20, 474-479. | 1.3 | 15 |
| 112 | Glucose and xylose co-fermentation of pretreated wheat straw using mutants of <i>S. cerevisiae</i> TMB3400. Journal of Biotechnology, 2013, 164, 50-58. | 1.9 | 15 |
| 113 | Influence of experimental errors on the determination of flux control coefficients from transient metabolite concentrations. Biochemical Journal, 1996, 313, 721-727. | 1.7 | 14 |
| 114 | Enhancement of the enzymatic digestibility of sugarcane bagasse by steam pretreatment impregnated with hydrogen peroxide. Biotechnology Progress, 2012, 28, 1207-1217. | 1.3 | 14 |
| 115 | Optimizing Ethanol and Methane Production from Steam-pretreated, Phosphoric Acid-impregnated Corn Stover. Applied Biochemistry and Biotechnology, 2015, 175, 1371-1388. | 1.4 | 12 |
| 116 | Adsorption of cellulases on steam-pretreated willow. Applied Biochemistry and Biotechnology, 1990, 24-25, 87-101. | 1.4 | 10 |
| 117 | Conversion of Sodium Lactate to Lactic Acid with Water-Splitting Electrodialysis. Applied Biochemistry and Biotechnology, 2001, 94, 197-212. | 1.4 | 10 |
| 118 | Recovery of cellulases after hydrolysis by adsorption on steam-pretreated willow. Applied Biochemistry and Biotechnology, 1992, 34-35, 105-113. | 1.4 | 9 |
| 119 | Use of Microfiltration as First Step in Recovery of Protein A From Fermentation Broth. Applied Biochemistry and Biotechnology, 2004, 112, 151-162. | 1.4 | 8 |
| 120 | Effect of Reduction in Yeast and Enzyme Concentrations in a Simultaneous-Saccharification-and-Fermentation-Based Bioethanol Process. , 2005, , 485-499. | | 8 |
| 121 | Cellulase Production of <i>Trichoderma reesei</i> Rut C 30 Using Steam-Pretreated Spruce. , 2000, , 679-691. | | 6 |
| 122 | Determination of diffusion coefficients of proteins in stationary phases by frontal chromatography. Biotechnology and Bioengineering, 2006, 93, 656-664. | 1.7 | 5 |
| 123 | Economic Evaluation of Isolation of Hemicelluloses From Process Streams From Thermomechanical Pulping of Spruce. , 2007, , 741-752. | | 4 |
| 124 | Simulation of batch and continuous reactors with co-immobilized yeast and β -galactosidase. Journal of Chemical Technology and Biotechnology, 1991, 52, 481-497. | 1.6 | 3 |
| 125 | Two-Step Steam Pretreatment of Softwood with SO ₂ Impregnation for Ethanol Production. , 2002, , 5-21. | | 3 |
| 126 | Optimization of Steam Pretreatment of SO ₂ -Impregnated Corn Stover for Fuel Ethanol Production. , 2005, , 1055-1067. | | 2 |

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|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Effect of substrate and cellulase concentration on simultaneous saccharification and fermentation of steam-pretreated softwood for ethanol production. , 2000, 68, 204. | | 2 |
| 128 | Modeling Simultaneous Saccharification and Fermentation of Softwood. , 2002, , 733-746. | | 2 |
| 129 | Recirculation of Process Streams in Fuel Ethanol Production from Softwood Based on Simultaneous Saccharification and Fermentation. , 2002, , 849-861. | | 2 |
| 130 | Combined Steam Pretreatment and Enzymatic Hydrolysis of Starch-Free Wheat Fibers. , 2004, , 989-1002. | | 2 |
| 131 | Steam Pretreatment of Acid-Sprayed and Acid-Soaked Barley Straw for Production of Ethanol. , 2006, , 546-562. | | 2 |
| 132 | Comparison of Diafiltration and Size-Exclusion Chromatography to Recover Hemicelluloses From Process Water From Thermomechanical Pulping of Spruce. , 2007, , 971-983. | | 1 |
| 133 | Simultaneous Saccharification and Fermentation of Steam-Pretreated Spruce to Ethanol. , 2000, , 69-80. | | 0 |
| 134 | Vapour-liquid partition of volatile organic compounds in kraft black liquors. Nordic Pulp and Paper Research Journal, 2000, 15, 266-274. | 0.3 | 0 |
| 135 | Recycling of Process Streams in Ethanol Production from Softwoods Based on Enzymatic Hydrolysis. , 1998, , 697-708. | | 0 |
| 136 | Steam Pretreatment of Salix with and without SO2 Impregnation for Production of Bioethanol. , 2005, , 1101-1117. | | 0 |