

Digambar Gokhale

List of Publications by Year in descending order

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67
papers

3,341
citations

218677

26
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149698

56
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70
all docs

70
docs citations

70
times ranked

3751
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Cold Active Lipases: Biocatalytic Tools for Greener Technology. Applied Biochemistry and Biotechnology, 2021, 193, 2245-2266. | 2.9 | 19 |
| 2 | Lignocellulosic biomass: Hurdles and challenges in its valorization. Applied Microbiology and Biotechnology, 2019, 103, 9305-9320. | 3.6 | 136 |
| 3 | Polylactic acid: synthesis and biomedical applications. Journal of Applied Microbiology, 2019, 127, 1612-1626. | 3.1 | 485 |
| 4 | Xylooligosaccharides (XOS) as Emerging Prebiotics: Its Production from Lignocellulosic Material. Advances in Microbiology, 2019, 09, 14-20. | 0.6 | 30 |
| 5 | Use of Enzymes as Tools in Industrial Processes. Recent Patents on Biotechnology, 2018, 12, 297-298. | 0.8 | 2 |
| 6 | Greener L-lactic acid production through in situ extractive fermentation by an acid-tolerant Lactobacillus strain. Applied Microbiology and Biotechnology, 2018, 102, 6425-6435. | 3.6 | 15 |
| 7 | Pseudozyma hubeiensis, an unexplored yeast: Its potential in biomass conversion to value added products. Journal of Bacteriology & Mycology Open Access, 2018, 6, . | 0.2 | 0 |
| 8 | Stimulation of d- and l-lactate dehydrogenases transcriptional levels in presence of diammonium hydrogen phosphate resulting to enhanced lactic acid production by Lactobacillus strain. Journal of Bioscience and Bioengineering, 2017, 124, 674-679. | 2.2 | 12 |
| 9 | Purification and characterization of an extracellular β -xylosidase from Pseudozyma hubeiensis NCIM 3574 (PhXyl), an unexplored yeast. AMB Express, 2016, 6, 73. | 3.0 | 22 |
| 10 | Biocatalyst development for lactic acid production at acidic pH using inter-generic protoplast fusion. RSC Advances, 2015, 5, 2024-2031. | 3.6 | 19 |
| 11 | Optimization Studies for Enhancing Cellulase Production by Penicillium janthinellum Mutant EU2D-21 Using Response Surface Methodology. BioResources, 2014, 9, . | 1.0 | 12 |
| 12 | Lignocellulose processing: a current challenge. RSC Advances, 2014, 4, 8271. | 3.6 | 96 |
| 13 | Supplementation of medium with diammonium hydrogen phosphate enhanced the d-lactate dehydrogenase levels leading to increased d-lactic acid productivity. Bioresource Technology, 2013, 146, 736-739. | 9.6 | 9 |
| 14 | Purification and characterization of β -glucosidases and β -xylosidase of <i>Aspergillus niger</i> NCIM 1207. Biofuels, 2013, 4, 203-217. | 2.4 | 2 |
| 15 | Biomass to biodegradable polymer (PLA). RSC Advances, 2013, 3, 13558. | 3.6 | 156 |
| 16 | The conundrum of making biomass-to-biofuels economic. Biofuels, 2012, 3, 383-386. | 2.4 | 8 |
| 17 | Combined strategy for the dispersion/dissolution of single walled carbon nanotubes and cellulose in water. Journal of Materials Chemistry, 2011, 21, 2054. | 6.7 | 42 |
| 18 | Differential induction, purification and characterization of cold active lipase from Yarrowia lipolytica NCIM 3639. Bioresource Technology, 2011, 102, 10663-10670. | 9.6 | 56 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Development of biocatalysts for production of commodity chemicals from lignocellulosic biomass. <i>Bioresource Technology</i> , 2011, 102, 4304-4312. | 9.6 | 173 |
| 20 | Comparative production of cellulases by mutants of <i>Penicillium janthinellum</i> NCIM 1171 and its application in hydrolysis of Avicel and cellulose. <i>Bioresource Technology</i> , 2011, 102, 6569-6572. | 9.6 | 35 |
| 21 | Enhanced enzymatic hydrolysis of cellulose by partial modification of its chemical structure. <i>Carbohydrate Polymers</i> , 2011, 86, 962-968. | 10.2 | 13 |
| 22 | Protoplast formation and regeneration in <i>Lactobacillus delbrueckii</i> . <i>Indian Journal of Microbiology</i> , 2010, 50, 97-100. | 2.7 | 5 |
| 23 | Lipase of <i>Aspergillus niger</i> NCIM 1207: A Potential Biocatalyst for Synthesis of Isoamyl Acetate. <i>Indian Journal of Microbiology</i> , 2010, 50, 432-437. | 2.7 | 17 |
| 24 | Strain improvement of <i>Lactobacillus lactis</i> for d-lactic acid production. <i>Biotechnology Letters</i> , 2010, 32, 517-520. | 2.2 | 65 |
| 25 | d-(α)-Lactic acid production from cellobiose and cellulose by <i>Lactobacillus lactis</i> mutant RM2-24. <i>Green Chemistry</i> , 2010, 12, 1106. | 9.0 | 78 |
| 26 | Purification and characterization of acidic lipase from <i>Aspergillus niger</i> NCIM 1207. <i>Bioresource Technology</i> , 2009, 100, 1486-1490. | 9.6 | 101 |
| 27 | Biochemical characterization of two xylanases from yeast <i>Pseudozyma hubeiensis</i> producing only xylooligosaccharides. <i>Bioresource Technology</i> , 2009, 100, 6488-6495. | 9.6 | 57 |
| 28 | Environment friendly crosslinked chitosan as a matrix for selective adsorption and purification of lipase of <i>Aspergillus niger</i> . <i>International Journal of Biological Macromolecules</i> , 2008, 43, 422-425. | 7.5 | 11 |
| 29 | Utilization of Molasses Sugar for Lactic Acid Production by <i>Lactobacillus delbrueckii</i> subsp. <i>delbrueckii</i> Mutant Uc-3 in Batch Fermentation. <i>Applied and Environmental Microbiology</i> , 2008, 74, 333-335. | 3.1 | 135 |
| 30 | Metal complexes of crosslinked chitosans. <i>International Journal of Biological Macromolecules</i> , 2007, 41, 491-496. | 7.5 | 5 |
| 31 | Production of Lactic Acid from Cellobiose and Cellotriose by <i>Lactobacillus delbrueckii</i> Mutant Uc-3. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5055-5057. | 3.1 | 65 |
| 32 | Lactic acid production from waste sugarcane bagasse derived cellulose. <i>Green Chemistry</i> , 2007, 9, 58-62. | 9.0 | 135 |
| 33 | Strain improvement of <i>Penicillium janthinellum</i> NCIM 1171 for increased cellulase production. <i>Bioresource Technology</i> , 2007, 98, 1467-1473. | 9.6 | 175 |
| 34 | Production of lactic acid and fructose from media with cane sugar using mutant of <i>Lactobacillus delbrueckii</i> NCIM 2365. <i>Letters in Applied Microbiology</i> , 2006, 43, 53-57. | 2.2 | 17 |
| 35 | Strain improvement of <i>Lactobacillus delbrueckii</i> NCIM 2365 for lactic acid production. <i>Process Biochemistry</i> , 2006, 41, 120-126. | 3.7 | 81 |
| 36 | Purification, characterization and substrate specificity of thermostable β -galactosidase from <i>Bacillus stearothermophilus</i> (NCIM-5146). <i>Process Biochemistry</i> , 2006, 41, 1311-1317. | 3.7 | 47 |

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|----|--|------|-----------|
| 37 | Enzymatic hydrolysis of delignified bagasse polysaccharides. <i>Carbohydrate Polymers</i> , 2005, 62, 6-10. | 10.2 | 96 |
| 38 | Lignin-carbohydrate complexes from sugarcane bagasse: Preparation, purification, and characterization. <i>Carbohydrate Polymers</i> , 2005, 62, 57-66. | 10.2 | 114 |
| 39 | Production of acidic lipase by a mutant of <i>Aspergillus niger</i> NCIM 1207 in submerged fermentation. <i>Process Biochemistry</i> , 2004, 39, 2031-2034. | 3.7 | 27 |
| 40 | Fungal degradation of carbohydrate-linked polystyrenes. <i>Carbohydrate Polymers</i> , 2004, 55, 393-399. | 10.2 | 19 |
| 41 | Polysaccharides from bagasse: applications in cellulase and xylanase production. <i>Carbohydrate Polymers</i> , 2004, 57, 67-72. | 10.2 | 108 |
| 42 | Towards biodegradable polyolefins: strategy of anchoring minute quantities of monosaccharides and disaccharides onto functionalized polystyrene, and their effect on facilitating polymer biodegradation. Electronic supplementary information (ESI) available: experimental details and weight loss data. See http://www.rsc.org/suppdata/cc/b2/b209254a/ . <i>Chemical Communications</i> , 2002, , 2884-2885. | 4.1 | 39 |
| 43 | Production of acidic lipase by <i>Aspergillus niger</i> in solid state fermentation. <i>Process Biochemistry</i> , 2002, 38, 715-721. | 3.7 | 241 |
| 44 | A practical and scalable process for 4-(R)-hydroxycyclopent-2-en-1-(S)-acetate by desymmetrization of meso-cyclopent-2-en-1,4-diacetate catalyzed by <i>Trichosporon beigeli</i> (NCIM 3326), a cheap biocatalyst. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2965-2970. | 1.8 | 11 |
| 45 | Enzymatic kinetic resolution studies of racemic 4-hydroxycyclopent-2-en-1-one using Lipozyme IM [®] . <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4115-4122. | 1.8 | 26 |
| 46 | Production of d-hydantoinase by halophilic <i>Pseudomonas</i> sp. NCIM 5109. <i>Applied Microbiology and Biotechnology</i> , 1998, 49, 594-599. | 3.6 | 10 |
| 47 | Potential application of yeast cellulase-free xylanase in agrowaste material treatment to remove hemicellulose fractions. <i>Bioresource Technology</i> , 1998, 63, 187-191. | 9.6 | 30 |
| 48 | Chemoenzymatic synthesis of d(α)-phenylglycine using hydantoinase of <i>Pseudomonas desmolyticum</i> resting cells. <i>Enzyme and Microbial Technology</i> , 1996, 18, 353-357. | 3.2 | 35 |
| 49 | Industrial yeast strain improvement: construction of a highly flocculent yeast with a killer character by protoplast fusion. <i>Journal of Industrial Microbiology</i> , 1995, 15, 94-102. | 0.9 | 26 |
| 50 | Supplementation with skim milk enhances the cellulolytic activity of fungi. <i>Biotechnology Letters</i> , 1995, 17, 631-634. | 2.2 | 3 |
| 51 | Optimization of cellulase-free xylanase production by a novel yeast strain. <i>Journal of Industrial Microbiology</i> , 1994, 13, 220-224. | 0.9 | 17 |
| 52 | Protoplast fusion: A tool for intergeneric gene transfer in bacteria. <i>Biotechnology Advances</i> , 1993, 11, 199-217. | 11.7 | 24 |
| 53 | An efficient enzymatic preparation of 4(S)-hydroxy-1 (R)-acetoxy-cyclopent-2-ene by using new yeast isolate. <i>Biotechnology Letters</i> , 1992, 14, 785-788. | 2.2 | 5 |
| 54 | Protection of <i>aspergillus niger</i> cellulases by urea during growth on glucose or glycerol supplemented media. <i>Applied Biochemistry and Biotechnology</i> , 1992, 37, 11-17. | 2.9 | 5 |

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|----|--|-----|-----------|
| 55 | Efficient protoplast regeneration of <i>Bacillus thuringiensis</i> and <i>Agrobacterium tumefaciens</i> . <i>Biotechnology Letters</i> , 1992, 6, 473-476. | 0.5 | 2 |
| 56 | Optimization of cellulase production by <i>Aspergillus niger</i> NCIM 1207. <i>Applied Biochemistry and Biotechnology</i> , 1991, 30, 99-109. | 2.9 | 32 |
| 57 | Secretion of thermostable β -glucosidase by an intergeneric bacterial hybrid between <i>Cellulomonas</i> and <i>Bacillus subtilis</i> . <i>Applied Biochemistry and Biotechnology</i> , 1990, 26, 207-215. | 2.9 | 7 |
| 58 | Protoplast fusion and genetic recombination in intra- and interstrain crossing in <i>Aspergillus niger</i> . <i>Enzyme and Microbial Technology</i> , 1989, 11, 2-5. | 3.2 | 11 |
| 59 | Novel supplements enhance the ethanol production in cane molasses fermentation by recycling yeast cell. <i>Biotechnology Letters</i> , 1989, 11, 213-216. | 2.2 | 11 |
| 60 | Ethanol fermentation of cane molasses by a highly flocculent yeast. <i>Biotechnology Letters</i> , 1989, 11, 739-744. | 2.2 | 7 |
| 61 | Production of cellulolytic enzymes by mutants of <i>Aspergillus niger</i> NCIM 1207. <i>Enzyme and Microbial Technology</i> , 1988, 10, 442-445. | 3.2 | 17 |
| 62 | Enhancement in ethanol production from cane molasses by skim milk supplementation. <i>Enzyme and Microbial Technology</i> , 1986, 8, 481-484. | 3.2 | 15 |
| 63 | Alcohol dehydrogenase and invertase activities in ethanol tolerant yeasts. <i>Enzyme and Microbial Technology</i> , 1986, 8, 623-626. | 3.2 | 12 |
| 64 | Xylanase and β -xylosidase production by <i>Aspergillus niger</i> NCIM 1207. <i>Biotechnology Letters</i> , 1986, 8, 137-138. | 2.2 | 15 |
| 65 | Hyper production of β -glucosidase by an <i>Aspergillus</i> sp.. <i>Biotechnology Letters</i> , 1984, 6, 719-722. | 2.2 | 15 |
| 66 | Transfer of DNA coding for cellulases from <i>Cellulomonas</i> species to <i>Bacillus subtilis</i> by protoplast fusion. <i>Biotechnology Letters</i> , 1984, 6, 627-632. | 2.2 | 19 |
| 67 | Cellulase Hyper-Producing Fungus <i>Penicillium janthinellum</i> NCIM 1366 Elaborates a Wider Array of Proteins Involved in Transport and Secretion, Potentially Enabling a Diverse Substrate Range. <i>Bioenergy Research</i> , 0, , 1. | 3.9 | 4 |