

Debendra K Sahoo

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

887
citations

567281

15
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580821

25
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all docs

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docs citations

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times ranked

1335
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Sonorensin: A new bacteriocin with potential of an anti-biofilm agent and a food biopreservative. <i>Scientific Reports</i> , 2015, 5, 13412. | 3.3 | 106 |
| 2 | Production of soluble recombinant proteins in <i>Escherichia coli</i> : Effects of process conditions and chaperone co-expression on cell growth and production of xylanase. <i>Bioresource Technology</i> , 2012, 123, 135-143. | 9.6 | 88 |
| 3 | Molecular mechanism of polyethylene glycol mediated stabilization of protein. <i>Biochemical and Biophysical Research Communications</i> , 2010, 392, 561-566. | 2.1 | 87 |
| 4 | Sonorensin: an Antimicrobial Peptide, Belonging to the Heterocycloanthracin Subfamily of Bacteriocins, from a New Marine Isolate, <i>Bacillus sonorensis</i> MT93. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2981-2990. | 3.1 | 76 |
| 5 | A comprehensive review on microbial <i>l</i> -asparaginase: Bioprocessing, characterization, and industrial applications. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 619-647. | 3.1 | 68 |
| 6 | Novel surface antigen based impedimetric immunosensor for detection of <i>Salmonella typhimurium</i> in water and juice samples. <i>Biosensors and Bioelectronics</i> , 2016, 85, 707-713. | 10.1 | 63 |
| 7 | Studies on xylitol production by metabolic pathway engineered <i>Debaryomyces hansenii</i> . <i>Bioresource Technology</i> , 2013, 147, 449-455. | 9.6 | 55 |
| 8 | Evaluation of ligninolytic microorganisms for efficient decolorization of a small pulp and paper mill effluent. <i>Process Biochemistry</i> , 2005, 40, 1573-1578. | 3.7 | 52 |
| 9 | Enhanced production of recombinant streptokinase in <i>Escherichia coli</i> using fed-batch culture. <i>Bioresource Technology</i> , 2009, 100, 4468-4474. | 9.6 | 41 |
| 10 | Molecular strategies for enhancing microbial production of xylitol. <i>Process Biochemistry</i> , 2016, 51, 809-819. | 3.7 | 29 |
| 11 | Effect of oxygen transfer on glycerol biosynthesis by an osmophilic yeast <i>Candida magnoliae</i> I2B. <i>Biotechnology and Bioengineering</i> , 2002, 78, 545-555. | 3.3 | 23 |
| 12 | Molecular Mechanism of Poly(vinyl alcohol) Mediated Prevention of Aggregation and Stabilization of Insulin in Nanoparticles. <i>Molecular Pharmaceutics</i> , 2015, 12, 1018-1030. | 4.6 | 21 |
| 13 | Bioprocess development for the production of sonorensin by <i>Bacillus sonorensis</i> MT93 and its application as a food preservative. <i>Bioresource Technology</i> , 2015, 175, 358-366. | 9.6 | 21 |
| 14 | Immobilized chaperones: A productive alternative to refolding of bacterial inclusion body proteins. <i>Process Biochemistry</i> , 2008, 43, 587-597. | 3.7 | 19 |
| 15 | A new pH indicator dye-based method for rapid and efficient screening of <i>l</i> -asparaginase producing microorganisms. <i>Enzyme and Microbial Technology</i> , 2017, 107, 72-81. | 3.2 | 19 |
| 16 | EpiDBase: a manually curated database for small molecule modulators of epigenetic landscape. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, . | 3.0 | 17 |
| 17 | Studies on efficient production of a novel <i>l</i> -asparaginase by a newly isolated <i>Pseudomonas resinovorans</i> IGS-131 and its heterologous expression in <i>Escherichia coli</i> . <i>3 Biotech</i> , 2020, 10, 148. | 2.2 | 17 |
| 18 | Studies on Alkaline Protease Produced by <i>Bacillus</i> sp. NG312. <i>Applied Biochemistry and Biotechnology</i> , 1999, 76, 57-64. | 2.9 | 15 |

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|----|---|-----|-----------|
| 19 | An investigation on glycerol biosynthesis by an osmophilic yeast in a bioreactor. <i>Process Biochemistry</i> , 2001, 36, 839-846. | 3.7 | 14 |
| 20 | Molecular Mechanism of Improved Structural Integrity of Protein in Polymer Based Microsphere Delivery System. <i>Molecular Pharmaceutics</i> , 2012, 9, 2403-2414. | 4.6 | 14 |
| 21 | Hydrophobic interaction expanded bed adsorption chromatography (HI-EBAC) based facile purification of recombinant Streptokinase from <i>E. coli</i> inclusion bodies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 850, 384-391. | 2.3 | 13 |
| 22 | Bacteriocin isolated from the natural inhabitant of <i>Allium cepa</i> against <i>Staphylococcus aureus</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 20. | 3.6 | 11 |
| 23 | Deciphering the Antibacterial Role of Peptide From <i>Bacillus subtilis</i> subsp. <i>spizizenii</i> Ba49 Against <i>Staphylococcus aureus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 708712. | 3.5 | 8 |
| 24 | The identification of novel promoters and terminators for protein expression and metabolic engineering applications in <i>Kluyveromyces marxianus</i> . <i>Metabolic Engineering Communications</i> , 2021, 12, e00160. | 3.6 | 4 |
| 25 | Evaluation of physicochemical and functional similarity of a new CHO derived anti-EGFR antibody P-mAb to its reference medicinal product. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2022, 50, 17-28. | 2.8 | 3 |