Tapobrata Panda

List of Publications by Year
in descending order

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44 papers	1,176 citations	489802 18 h-index	425179 34 g-index
46 all docs	46 docs citations	46 times ranked	1724 citing authors

#	Article	IF	Citations
1	Production and applications of esterases. Applied Microbiology and Biotechnology, 2005, 67, 160-169.	1.7	247
2	Studies on pH and thermal deactivation of pectolytic enzymes from Aspergillus niger. Biochemical Engineering Journal, 2003, 16, 57-67.	1.8	87
3	Biosynthesis of Silver Nanoparticles. Journal of Nanoscience and Nanotechnology, 2014, 14, 2038-2049.	0.9	86
4	Regulation and cloning of microbial chitinase genes. Applied Microbiology and Biotechnology, 1999, 51, 141-151.	1.7	82
5	Studies on critical analysis of factors influencing improved production of protoplasts from Trichoderma reesei mycelium. Enzyme and Microbial Technology, 1992, 14, 241-248.	1.6	46
6	Submerged culture production of chitinase by Trichoderma harzianum in stirred tank bioreactors â€“ the influence of agitator speed. Biochemical Engineering Journal, 2000, 4, 115-120.	1.8	44
7	Biosynthesis of Gold Nanoparticles. Journal of Nanoscience and Nanotechnology, 2011, 11, 10279-10294.	0.9	38
8	Pretreatment of indian cane molasses for increased production of citric acid. Biotechnology and Bioengineering, 1984, 26, 1114-1121.	1.7	36
9	Effect of replacing helical glycine residues with alanines on reversible and irreversible stability and production of Aspergillus awamori glucoamylase. Protein Engineering, Design and Selection, 1996, 9, 499-505.	1.0	36
10	Performance of pectolytic enzymes during hydrolysis of pectic substances under assay conditions: a statistical approach. Enzyme and Microbial Technology, 1999, 25, 116-124.	1.6	36
11	Modeling of enzyme production kinetics. Applied Microbiology and Biotechnology, 2007, 73, 991-1007.	1.7	36
12	Doxorubicin Nanoconjugates. Journal of Nanoscience and Nanotechnology, 2014, 14, 892-904.	0.9	33
13	Effect of culture phasing and mannanase on production of cellulase and hemicellulase by mixed culture ofTrichoderma reesei D 1-6 andAspergillus wentii pt 2804. Biotechnology and Bioengineering, 1985, 27, 1353-1361.	1.7	32
14	Application of response surface methodology to evaluate the influence of temperature and initial pH on the production of Î²-1,3-glucanase and carboxymethylcellulase from Trichoderma harzianum. Enzyme and Microbial Technology, 1995, 17, 1043-1049.	1.6	30
15	Regulation of synthesis of the pectolytic enzymes of Aspergillus niger. Enzyme and Microbial Technology, 2004, 34, 466-473.	1.6	22
16	Effect of culture phasing and a polysaccharide on production of xylanase by mixed culture oftrichoderma reesei D1-6 andaspergillus wentii Pt 2804. Biotechnology and Bioengineering, 1987, 30, 868-874.	1.7	21
17	Studies on improved techniques for immobilizing and stabilizing penicillin amidase associated with E. coli cells. Enzyme and Microbial Technology, 1991, 13, 676-682.	1.6	20
18	Regulation and degradation of HMGCo-A reductase. Applied Microbiology and Biotechnology, 2004, 66, 143-152.	1.7	20

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19	Statistical analysis on some critical parameters affecting the formation of protoplasts from the mycelium of Penicillium griseofulvum. Biochemical Engineering Journal, 2003, 16, 229-235.	1.8	19
20	Synthesis of Gold Nanoparticles from Different Cellular Fractions of <I>Fusarium oxysporum</I>. Journal of Nanoscience and Nanotechnology, 2014, 14, 3455-3463.	0.9	17
21	Stability and kinetics of Î²-1,3-glucanse from Trichoderma harzianum. Process Biochemistry, 2003, 39, 149-155.	1.8	16
22	A diffusion based long-range and steady chemical gradient generator on a microfluidic device for studying bacterial chemotaxis. Journal of Micromechanics and Microengineering, 2016, 26, 035011.	1.5	15
23	Biosynthesis of Gold and Silver Nanoparticles Using Extracts of Callus Cultures of Pumpkin (Cucurbita maxima). Journal of Nanoscience and Nanotechnology, 2018, 18, 5341-5353.	0.9	15
24	Intergeneric hybridization of Trichoderma reesei QM9414 and Saccharomyces cerevisiae NCIM 3288 by protoplast fusion. Enzyme and Microbial Technology, 1994, 16, 870-882.	1.6	14
25	Improved production of laccase by Daedalea flavida: consideration of evolutionary process optimization and batch-fed culture. Bioprocess and Biosystems Engineering, 2014, 37, 493-503.	1.7	11
26	Interplay of chemical and thermal gradient on bacterial migration in a diffusive microfluidic device. Biomicrofluidics, 2017, 11, 024108.	1.2	11
27	Direct conversion of cellulosic material to ethanol by the intergeneric fusant Trichoderma reesei QM 9414/Saccharomyces cerevisiae NCIM 3288. Enzyme and Microbial Technology, 1995, 17, 418-423.	1.6	10
28	Biogenic Synthesis of Gold and Silver Nanoparticles by Seed Plants. Journal of Nanoscience and Nanotechnology, 2014, 14, 2024-2037.	0.9	10
29	Lovastatin Nanoparticle Synthesis and Characterization for Better Drug Delivery. Open Biotechnology Journal, 2011, 5, 28-32.	0.6	10
30	Numerical simulation of a fully baffled biological reactor: The differential circumferential averaging mixing plane approach. Biotechnology and Bioengineering, 2006, 95, 754-766.	1.7	9
31	Optimization of Laccase Fermentation and Evaluation of Kinetic and Thermodynamic Parameters of a Partially Purified Laccase Produced byDaedalea flavida. Preparative Biochemistry and Biotechnology, 2015, 45, 307-335.	1.0	8
32	Biosynthesis of Gold and Silver Nanoparticles with Anti-Microbial Activity by Callus Cultures of <I>Michelia champaca</I> L.. Journal of Nanoscience and Nanotechnology, 2016, 16, 7345-7357.	0.9	8
33	Effect of gold nanoparticles on thermal gradient generation and thermotaxis of E. coli cells in microfluidic device. Biomedical Microdevices, 2016, 18, 53.	1.4	7
34	pH and thermal stability studies of carboxymethyl cellulase from intergeneric fusants of Trichoderma reesei/Saccharomyces cerevisiae. Journal of Industrial Microbiology and Biotechnology, 1998, 21, 178-183.	1.4	6
35	Anomalous Subsurface Thermal Behavior in Tissue Mimics Upon Near Infrared Irradiation Mediated Photothermal Therapy. Journal of Biomedical Nanotechnology, 2014, 10, 405-414.	0.5	6
36	Quantification of Lovastatin Produced by Monascus purpureus. Open Biotechnology Journal, 2015, 9, 6-13.	0.6	6

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37	Immobilization of whole Escherichia coli containing penicillin amidase using cross-linking agents and fillers. Biotechnology Letters, 1991, 5, 227-232.	0.5	5
38	Statistical optimization of production medium for ?-1,3-glucanase synthesis by Trichoderma harzianum. Biotechnology Letters, 1994, 8, 381-384.	0.5	4
39	Kinetic Mechanisms of Cholesterol Synthesis: A Review. Industrial & Engineering Chemistry Research, 2011, 50, 12847-12864.	1.8	4
40	Comparison of the elution characteristics of individual forms of lovastatin in both isocratic and gradient modes and HPLC-PDA method development for pure and fermentation-derived lovastatin. Preparative Biochemistry and Biotechnology, 2017, 47, 901-908.	1.0	3
41	Biogenic Gold Nanoparticles from Fusarium oxysporum: The Impact of Fungal Morphology and Localization Studies. Journal of Cluster Science, 2020, 31, 1185-1197.	1.7	3
42	Simplified approach for developing the rate expressions for enzyme-catalyzed reactions. Biotechnology Letters, 2006, 28, 1889-1894.	1.1	2
43	E.coli DH5α cell response to a sudden change in microfluidic chemical environment. , 2015, 2015, 3213-6.		2
44	A simplified approach to derive Cleland model for enzymatic reactions. Biotechnology Letters, 2013, 35, 785-789.	1.1	0