

# Tapobrata Panda

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,176  
citations

430874

18  
h-index

377865

34  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and applications of esterases. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 160-169.	3.6	247
2	Studies on pH and thermal deactivation of pectolytic enzymes from <i>Aspergillus niger</i> . <i>Biochemical Engineering Journal</i> , 2003, 16, 57-67.	3.6	87
3	Biosynthesis of Silver Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2038-2049.	0.9	86
4	Regulation and cloning of microbial chitinase genes. <i>Applied Microbiology and Biotechnology</i> , 1999, 51, 141-151.	3.6	82
5	Studies on critical analysis of factors influencing improved production of protoplasts from <i>Trichoderma reesei</i> mycelium. <i>Enzyme and Microbial Technology</i> , 1992, 14, 241-248.	3.2	46
6	Submerged culture production of chitinase by <i>Trichoderma harzianum</i> in stirred tank bioreactors – the influence of agitator speed. <i>Biochemical Engineering Journal</i> , 2000, 4, 115-120.	3.6	44
7	Biosynthesis of Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10279-10294.	0.9	38
8	Pretreatment of indian cane molasses for increased production of citric acid. <i>Biotechnology and Bioengineering</i> , 1984, 26, 1114-1121.	3.3	36
9	Effect of replacing helical glycine residues with alanines on reversible and irreversible stability and production of <i>Aspergillus awamori</i> glucoamylase. <i>Protein Engineering, Design and Selection</i> , 1996, 9, 499-505.	2.1	36
10	Performance of pectolytic enzymes during hydrolysis of pectic substances under assay conditions: a statistical approach. <i>Enzyme and Microbial Technology</i> , 1999, 25, 116-124.	3.2	36
11	Modeling of enzyme production kinetics. <i>Applied Microbiology and Biotechnology</i> , 2007, 73, 991-1007.	3.6	36
12	Doxorubicin Nanoconjugates. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 892-904.	0.9	33
13	Effect of culture phasing and mannanase on production of cellulase and hemicellulase by mixed culture of <i>Trichoderma reesei</i> D 1-6 and <i>Aspergillus wentii</i> pt 2804. <i>Biotechnology and Bioengineering</i> , 1985, 27, 1353-1361.	3.3	32
14	Application of response surface methodology to evaluate the influence of temperature and initial pH on the production of 1,3-glucanase and carboxymethylcellulase from <i>Trichoderma harzianum</i> . <i>Enzyme and Microbial Technology</i> , 1995, 17, 1043-1049.	3.2	30
15	Regulation of synthesis of the pectolytic enzymes of <i>Aspergillus niger</i> . <i>Enzyme and Microbial Technology</i> , 2004, 34, 466-473.	3.2	22
16	Effect of culture phasing and a polysaccharide on production of xylanase by mixed culture of <i>Trichoderma reesei</i> D1-6 and <i>Aspergillus wentii</i> Pt 2804. <i>Biotechnology and Bioengineering</i> , 1987, 30, 868-874.	3.3	21
17	Studies on improved techniques for immobilizing and stabilizing penicillin amidase associated with <i>E. coli</i> cells. <i>Enzyme and Microbial Technology</i> , 1991, 13, 676-682.	3.2	20
18	Regulation and degradation of HMGC <sub>o</sub> -A reductase. <i>Applied Microbiology and Biotechnology</i> , 2004, 66, 143-152.	3.6	20

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19	Statistical analysis on some critical parameters affecting the formation of protoplasts from the mycelium of <i>Penicillium griseofulvum</i> . <i>Biochemical Engineering Journal</i> , 2003, 16, 229-235.	3.6	19
20	Synthesis of Gold Nanoparticles from Different Cellular Fractions of <i>Fusarium oxysporum</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3455-3463.	0.9	17
21	Stability and kinetics of $\beta$ -1,3-glucanase from <i>Trichoderma harzianum</i> . <i>Process Biochemistry</i> , 2003, 39, 149-155.	3.7	16
22	A diffusion based long-range and steady chemical gradient generator on a microfluidic device for studying bacterial chemotaxis. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 035011.	2.6	15
23	Biosynthesis of Gold and Silver Nanoparticles Using Extracts of Callus Cultures of Pumpkin ( <i>Cucurbita maxima</i> ). <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5341-5353.	0.9	15
24	Intergeneric hybridization of <i>Trichoderma reesei</i> QM9414 and <i>Saccharomyces cerevisiae</i> NCIM 3288 by protoplast fusion. <i>Enzyme and Microbial Technology</i> , 1994, 16, 870-882.	3.2	14
25	Improved production of laccase by <i>Daedalea flavida</i> : consideration of evolutionary process optimization and batch-fed culture. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 493-503.	3.4	11
26	Interplay of chemical and thermal gradient on bacterial migration in a diffusive microfluidic device. <i>Biomicrofluidics</i> , 2017, 11, 024108.	2.4	11
27	Direct conversion of cellulosic material to ethanol by the intergeneric fusant <i>Trichoderma reesei</i> QM 9414/ <i>Saccharomyces cerevisiae</i> NCIM 3288. <i>Enzyme and Microbial Technology</i> , 1995, 17, 418-423.	3.2	10
28	Biogenic Synthesis of Gold and Silver Nanoparticles by Seed Plants. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2024-2037.	0.9	10
29	Lovastatin Nanoparticle Synthesis and Characterization for Better Drug Delivery. <i>Open Biotechnology Journal</i> , 2011, 5, 28-32.	1.2	10
30	Numerical simulation of a fully baffled biological reactor: The differential circumferential averaging mixing plane approach. <i>Biotechnology and Bioengineering</i> , 2006, 95, 754-766.	3.3	9
31	Optimization of Laccase Fermentation and Evaluation of Kinetic and Thermodynamic Parameters of a Partially Purified Laccase Produced by <i>Daedalea flavida</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2015, 45, 307-335.	1.9	8
32	Biosynthesis of Gold and Silver Nanoparticles with Anti-Microbial Activity by Callus Cultures of <i>Michelia champaca</i> L.. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7345-7357.	0.9	8
33	Effect of gold nanoparticles on thermal gradient generation and thermotaxis of <i>E. coli</i> cells in microfluidic device. <i>Biomedical Microdevices</i> , 2016, 18, 53.	2.8	7
34	pH and thermal stability studies of carboxymethyl cellulase from intergeneric fusants of <i>Trichoderma reesei</i> / <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 1998, 21, 178-183.	3.0	6
35	Anomalous Subsurface Thermal Behavior in Tissue Mimics Upon Near Infrared Irradiation Mediated Photothermal Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 405-414.	1.1	6
36	Quantification of Lovastatin Produced by <i>Monascus purpureus</i> . <i>Open Biotechnology Journal</i> , 2015, 9, 6-13.	1.2	6

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37	Immobilization of whole <i>Escherichia coli</i> containing penicillin amidase using cross-linking agents and fillers. <i>Biotechnology Letters</i> , 1991, 5, 227-232.	0.5	5
38	Statistical optimization of production medium for $\alpha$ -1,3-glucanase synthesis by <i>Trichoderma harzianum</i> . <i>Biotechnology Letters</i> , 1994, 8, 381-384.	0.5	4
39	Kinetic Mechanisms of Cholesterol Synthesis: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 12847-12864.	3.7	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. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 901-908.	1.9	3
41	Biogenic Gold Nanoparticles from <i>Fusarium oxysporum</i> : The Impact of Fungal Morphology and Localization Studies. <i>Journal of Cluster Science</i> , 2020, 31, 1185-1197.	3.3	3
42	Simplified approach for developing the rate expressions for enzyme-catalyzed reactions. <i>Biotechnology Letters</i> , 2006, 28, 1889-1894.	2.2	2
43	<i>E. coli</i> DH5 $\alpha$ 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. <i>Biotechnology Letters</i> , 2013, 35, 785-789.	2.2	0