

Saurabh Sudha Dhiman

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,556
citations

249298

26
h-index

340414

39
g-index

47
all docs

47
docs citations

47
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced production of cellulase-free thermostable xylanase by <i>Bacillus pumilus</i> ASH and its potential application in paper industry. <i>Enzyme and Microbial Technology</i> , 2007, 41, 733-739.	1.6	117
2	Enhanced enzymatic hydrolysis of rice straw by removal of phenolic compounds using a novel laccase from yeast <i>Yarrowia lipolytica</i> . <i>Bioresource Technology</i> , 2012, 123, 636-645.	4.8	95
3	Pectinase production by <i>Bacillus subtilis</i> and its potential application in biopreparation of cotton and micropoly fabric. <i>Process Biochemistry</i> , 2009, 44, 521-526.	1.8	94
4	Microbial consortia for saccharification of woody biomass and ethanol fermentation. <i>Fuel</i> , 2013, 107, 815-822.	3.4	90
5	Simultaneous pretreatment and saccharification: Green technology for enhanced sugar yields from biomass using a fungal consortium. <i>Bioresource Technology</i> , 2015, 179, 50-57.	4.8	90
6	Phytoremediation of metal-contaminated soils by the hyperaccumulator canola (<i>Brassica napus</i> L.) and the use of its biomass for ethanol production. <i>Fuel</i> , 2016, 183, 107-114.	3.4	72
7	Characterization of a novel laccase from the isolated <i>Coltricia perennis</i> and its application to detoxification of biomass. <i>Process Biochemistry</i> , 2012, 47, 671-678.	1.8	60
8	Production of thermostable pectinase and xylanase for their potential application in bleaching of kraft pulp. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007, 34, 763-770.	1.4	59
9	Pretreatment processing of fabrics by alkalothermophilic xylanase from <i>Bacillus stearothermophilus</i> SDX. <i>Enzyme and Microbial Technology</i> , 2008, 43, 262-269.	1.6	54
10	Application of Thermostable Xylanase of <i>Bacillus pumilus</i> in Textile Processing. <i>Indian Journal of Microbiology</i> , 2012, 52, 222-229.	1.5	54
11	Potential Application of Alkaline Pectinase from <i>Bacillus subtilis</i> SS in Pulp and Paper Industry. <i>Applied Biochemistry and Biotechnology</i> , 2008, 149, 287-293.	1.4	51
12	Organoiodine (III)-mediated synthesis of 3-aryl/heteroaryl-5,7-dimethyl-1,2,4-triazolo[4,3-c]pyrimidines as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2260-2264.	2.6	45
13	Characterization of statistically produced xylanase for enrichment of fruit juice clarification process. <i>New Biotechnology</i> , 2011, 28, 746-755.	2.4	41
14	Metal accumulation by sunflower (<i>Helianthus annuus</i> L.) and the efficacy of its biomass in enzymatic saccharification. <i>PLoS ONE</i> , 2017, 12, e0175845.	1.1	41
15	Bleach-boosting effect of crude xylanase from <i>Bacillus stearothermophilus</i> SDX on wheat straw pulp. <i>New Biotechnology</i> , 2011, 28, 58-64.	2.4	37
16	Single lay out™ and mixed lay out™ enzymatic processes for bio-bleaching of kraft pulp. <i>Bioresource Technology</i> , 2009, 100, 4736-4741.	4.8	35
17	Characterization of a β -1,4-glucosidase from a newly isolated strain of <i>Pholiota adiposa</i> and its application to the hydrolysis of biomass. <i>Biomass and Bioenergy</i> , 2013, 54, 181-190.	2.9	35
18	Cloning and characterization of a thermostable H ₂ O-forming NADH oxidase from <i>Lactobacillus rhamnosus</i> . <i>Enzyme and Microbial Technology</i> , 2012, 50, 255-262.	1.6	34

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19	Characterization of a novel endo- β -1,4-glucanase from <i>Armillaria gemina</i> and its application in biomass hydrolysis. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 661-669.	1.7	34
20	Phytoremediation of diesel-contaminated soil and saccharification of the resulting biomass. <i>Fuel</i> , 2014, 116, 292-298.	3.4	33
21	Enzymatic hydrolysis of aspen biomass into fermentable sugars by using lignocellulases from <i>Armillaria gemina</i> . <i>Bioresource Technology</i> , 2013, 133, 307-314.	4.8	32
22	Structural insights into the binding mode of d-sorbitol with sorbitol dehydrogenase using QM-polarized ligand docking and molecular dynamics simulations. <i>Biochemical Engineering Journal</i> , 2016, 114, 244-256.	1.8	31
23	Characterization of a novel xylanase from <i>Armillaria gemina</i> and its immobilization onto SiO ₂ nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1081-1091.	1.7	30
24	Simultaneous hydrolysis and fermentation of unprocessed food waste into ethanol using thermophilic anaerobic bacteria. <i>Bioresource Technology</i> , 2017, 244, 733-740.	4.8	30
25	Characterization of a novel Lytic Polysaccharide Monooxygenase from <i>Malbranchea cinnamomea</i> exhibiting dual catalytic behavior. <i>Carbohydrate Research</i> , 2019, 478, 46-53.	1.1	29
26	Producing methane, methanol and electricity from organic waste of fermentation reaction using novel microbes. <i>Bioresource Technology</i> , 2018, 258, 270-278.	4.8	28
27	Immobilization of <i>Pholiota adiposa</i> xylanase onto SiO ₂ nanoparticles and its application for production of xylooligosaccharides. <i>Biotechnology Letters</i> , 2012, 34, 1307-1313.	1.1	23
28	Reduction in Acute Ecotoxicity of Paper Mill Effluent by Sequential Application of Xylanase and Laccase. <i>PLoS ONE</i> , 2014, 9, e102581.	1.1	23
29	Antibacterial and antifungal studies of macrocyclic complexes of trivalent transition metal ions with their spectroscopic approach. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 21-28.	2.5	19
30	Saccharification of poplar biomass by using lignocellulases from <i>Pholiota adiposa</i> . <i>Bioresource Technology</i> , 2012, 120, 264-272.	4.8	18
31	Improved bioethanol production from corn stover: Role of enzymes, inducers and simultaneous product recovery. <i>Applied Energy</i> , 2017, 208, 1420-1429.	5.1	17
32	Vitamin-C-enabled reduced graphene oxide chemistry for tuning biofilm phenotypes of methylotrophs on nickel electrodes in microbial fuel cells. <i>Bioresource Technology</i> , 2020, 300, 122642.	4.8	17
33	Bioscouring of jute fabric by cellulase-free alkalo-thermostable xylanase from <i>Bacillus pumilus</i> ASH. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 43-48.	1.8	16
34	Electricity from methane by <i>Methylococcus capsulatus</i> (Bath) and <i>Methylosinus trichosporium</i> OB3b. <i>Bioresource Technology</i> , 2021, 321, 124398.	4.8	14
35	Saccharification of woody biomass using glycoside hydrolases from <i>Stereum hirsutum</i> . <i>Bioresource Technology</i> , 2012, 117, 310-316.	4.8	13
36	Spectral studies and antimicrobial activities of organosilicon(IV) and organotin(IV) complexes of nitrogen and sulfur donor Schiff bases derived from 4-amino-5-mercapto-3-methyl-s-triazole. <i>Main Group Chemistry</i> , 2009, 8, 47-59.	0.4	12

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37	Characterization of a β -1,4-mannanase from a newly isolated strain of <i>Pholiota adiposa</i> and its application for biomass pretreatment. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1817-1824.	1.7	10
38	Saccharification of sunflower stalks using lignocellulases from a fungal consortium comprising <i>Pholiota adiposa</i> and <i>Armillaria gemina</i> . <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1645-1653.	1.7	8
39	Iodine (III)-mediated synthesis of some 2-aryl/hetarylbenzoxazoles as antibacterial/antifungal agents. <i>Medicinal Chemistry Research</i> , 2010, 19, 541-550.	1.1	6
40	Synthetic, structural and biological studies of organotin(IV) complexes of schiff bases derived from pyrrol-2-carboxaldehyde. <i>Journal of the Iranian Chemical Society</i> , 2010, 7, 243-250.	1.2	4
41	Synthesis and antibacterial evaluation of some new 4-substituted-2-aryl-6-(2-dimethylpyrimidin-4-yl)pyrazoles. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 1211-1215.		1
42	Pectinases of Thermophilic Microbes. , 2013, , 689-710.		0
43	Introduction to Quorum Sensing. <i>ACS Symposium Series</i> , 2020, , 1-6.	0.5	0
44	Role of the CRISPR Technique in Decoding the Principles of Quorum Sensing. <i>ACS Symposium Series</i> , 2020, , 49-63.	0.5	0