Saurabh Sudha Dhiman

List of Publications by Year
in descending order

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44	1,556	218677	302126
papers	citations	26 h-index	39 g-index

47	47	47	1837
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electricity from methane by Methylococcus capsulatus (Bath) and Methylosinus trichosporium OB3b. Bioresource Technology, 2021, 321, 124398.	9.6	14
2	Vitamin-C-enabled reduced graphene oxide chemistry for tuning biofilm phenotypes of methylotrophs on nickel electrodes in microbial fuel cells. Bioresource Technology, 2020, 300, 122642.	9.6	17
3	Introduction to Quorum Sensing. ACS Symposium Series, 2020, , 1-6.	0.5	0
4	Role of the CRISPR Technique in Decoding the Principles of Quorum Sensing. ACS Symposium Series, 2020, , 49-63.	0.5	0
5	Characterization of a novel Lytic Polysaccharide Monooxygenase from Malbranchea cinnamomea exhibiting dual catalytic behavior. Carbohydrate Research, 2019, 478, 46-53.	2.3	29
6	Producing methane, methanol and electricity from organic waste of fermentation reaction using novel microbes. Bioresource Technology, 2018, 258, 270-278.	9.6	28
7	Improved bioethanol production from corn stover: Role of enzymes, inducers and simultaneous product recovery. Applied Energy, 2017, 208, 1420-1429.	10.1	17
8	Simultaneous hydrolysis and fermentation of unprocessed food waste into ethanol using thermophilic anaerobic bacteria. Bioresource Technology, 2017, 244, 733-740.	9.6	30
9	Metal accumulation by sunflower (Helianthus annuus L.) and the efficacy of its biomass in enzymatic saccharification. PLoS ONE, 2017, 12, e0175845.	2.5	41
10	Structural insights into the binding mode of d-sorbitol with sorbitol dehydrogenase using QM-polarized ligand docking and molecular dynamics simulations. Biochemical Engineering Journal, 2016, 114, 244-256.	3.6	31
11	Phytoremediation of metal-contaminated soils by the hyperaccumulator canola (Brassica napus L.) and the use of its biomass for ethanol production. Fuel, 2016, 183, 107-114.	6.4	72
12	Saccharification of sunflower stalks using lignocellulases from a fungal consortium comprising Pholiota adiposa and Armillaria gemina. Bioprocess and Biosystems Engineering, 2015, 38, 1645-1653.	3.4	8
13	Simultaneous pretreatment and saccharification: Green technology for enhanced sugar yields from biomass using a fungal consortium. Bioresource Technology, 2015, 179, 50-57.	9.6	90
14	Characterization of a Î²-1,4-mannanase from a newly isolated strain of Pholiota adiposa and its application for biomass pretreatment. Bioprocess and Biosystems Engineering, 2014, 37, 1817-1824.	3.4	10
15	Phytoremediation of diesel-contaminated soil and saccharification of the resulting biomass. Fuel, 2014, 116, 292-298.	6.4	33
16	Characterization of a novel endo-Î²-1,4-glucanase from Armillaria gemina and its application in biomass hydrolysis. Applied Microbiology and Biotechnology, 2014, 98, 661-669.	3.6	34
17	Reduction in Acute Ecotoxicity of Paper Mill Effluent by Sequential Application of Xylanase and Laccase. PLoS ONE, 2014, 9, e102581.	2.5	23
18	Characterization of a novel xylanase from Armillaria gemina and its immobilization onto SiO2 nanoparticles. Applied Microbiology and Biotechnology, 2013, 97, 1081-1091.	3.6	30

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19	Enzymatic hydrolysis of aspen biomass into fermentable sugars by using lignocellulases from Armillaria gemina. Bioresource Technology, 2013, 133, 307-314.	9.6	32
20	Microbial consortia for saccharification of woody biomass and ethanol fermentation. Fuel, 2013, 107, 815-822.	6.4	90
21	Pectinases of Thermophilic Microbes. , 2013, , 689-710.		0
22	Characterization of a Î²-1,4-glucosidase from a newly isolated strain of Pholiota adiposa and its application to the hydrolysis of biomass. Biomass and Bioenergy, 2013, 54, 181-190.	5.7	35
23	Bioscouring of jute fabric by cellulase-free alkalo-thermostable xylanase from Bacillus pumilus ASH. Journal of Molecular Catalysis B: Enzymatic, 2013, 85-86, 43-48.	1.8	16
24	Saccharification of poplar biomass by using lignocellulases from Pholiota adiposa. Bioresource Technology, 2012, 120, 264-272.	9.6	18
25	Enhanced enzymatic hydrolysis of rice straw by removal of phenolic compounds using a novel laccase from yeast Yarrowia lipolytica. Bioresource Technology, 2012, 123, 636-645.	9.6	95
26	Application of Thermostable Xylanase of Bacillus pumilus in Textile Processing. Indian Journal of Microbiology, 2012, 52, 222-229.	2.7	54
27	Immobilization of Pholiota adiposa xylanase onto SiO2 nanoparticles and its application for production of xylooligosaccharides. Biotechnology Letters, 2012, 34, 1307-1313.	2.2	23
28	Cloning and characterization of a thermostable H2O-forming NADH oxidase from Lactobacillus rhamnosus. Enzyme and Microbial Technology, 2012, 50, 255-262.	3.2	34
29	Saccharification of woody biomass using glycoside hydrolases from Stereum hirsutum. Bioresource Technology, 2012, 117, 310-316.	9.6	13
30	Characterization of a novel laccase from the isolated Coltricia perennis and its application to detoxification of biomass. Process Biochemistry, 2012, 47, 671-678.	3.7	60
31	Characterization of statistically produced xylanase for enrichment of fruit juice clarification process. New Biotechnology, 2011, 28, 746-755.	4.4	41
32	Synthesis and antibacterial evaluation of some new 4â€substitutedâ€3â€arylâ€1â€(2,6â€dimethylpyrimidinâ€4â€yl)pyrazoles. Journal of Heterocyclic Chemistry, 2011, 48, 1211-1215.	1.6	1
33	Bleach-boosting effect of crude xylanase from Bacillus stearothermophilus SDX on wheat straw pulp. New Biotechnology, 2011, 28, 58-64.	4.4	37
34	Synthetic, structural and biological studies of organotin(IV) complexes of schiff bases derived from pyrrol-2-carboxaldehyde. Journal of the Iranian Chemical Society, 2010, 7, 243-250.	2.2	4
35	Iodine (III)-mediated synthesis of some 2-aryl/hetarylbenzoxazoles as antibacterial/antifungal agents. Medicinal Chemistry Research, 2010, 19, 541-550.	2.4	6
36	Antibacterial and antifungal studies of macrocyclic complexes of trivalent transition metal ions with their spectroscopic approach. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 21-28.	5.2	19

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37	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. Main Group Chemistry, 2009, 8, 47-59.	0.8	12
38	Pectinase production by Bacillus subtilis and its potential application in biopreparation of cotton and micropoly fabric. Process Biochemistry, 2009, 44, 521-526.	3.7	94
39	Organoiodine (III)-mediated synthesis of 3-aryl/heteroaryl-5,7-dimethyl-1,2,4-triazolo[4,3-c]pyrimidines as antibacterial agents. European Journal of Medicinal Chemistry, 2009, 44, 2260-2264.	5.5	45
40	â€˜Single lay outâ€™ and â€˜mixed lay outâ€™ enzymatic processes for bio-bleaching of kraft pulp. Bioresource Technology, 2009, 100, 4736-4741.	9.6	35
41	Potential Application of Alkaline Pectinase from Bacillus subtilis SS in Pulp and Paper Industry. Applied Biochemistry and Biotechnology, 2008, 149, 287-293.	2.9	51
42	Pretreatment processing of fabrics by alkalothermophilic xylanase from Bacillus stearothermophilus SDX. Enzyme and Microbial Technology, 2008, 43, 262-269.	3.2	54
43	Enhanced production of cellulase-free thermostable xylanase by Bacillus pumilus ASH and its potential application in paper industry. Enzyme and Microbial Technology, 2007, 41, 733-739.	3.2	117
44	Production of thermostable pectinase and xylanase for their potential application in bleaching of kraft pulp. Journal of Industrial Microbiology and Biotechnology, 2007, 34, 763-770.	3.0	59