Rishi Gupta

List of Publications by Year
in descending order

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33	2,357	471371	552653
papers	citations	17 h-index	26 g-index

33	33	33	2777
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microbial Cellulases and Their Industrial Applications. Enzyme Research, 2011, 2011, 1-10.	1.8	638
2	Bioethanol production from Gracilaria verrucosa, a red alga, in a biorefinery approach. Bioresource Technology, 2013, 135, 150-156.	4.8	254
3	Separate hydrolysis and fermentation (SHF) of Prosopis juliflora, a woody substrate, for the production of cellulosic ethanol by Saccharomyces cerevisiae and Pichia stipitis-NCIM 3498. Bioresource Technology, 2009, 100, 1214-1220.	4.8	234
4	Bioethanol production from pentose sugars: Current status and future prospects. Renewable and Sustainable Energy Reviews, 2011, 15, 4950-4962.	8.2	171
5	Bioethanol production from Lantana camara (red sage): Pretreatment, saccharification and fermentation. Bioresource Technology, 2010, 101, 8348-8354.	4.8	167
6	Evaluation of pretreatment methods in improving the enzymatic saccharification of cellulosic materials. Carbohydrate Polymers, 2011, 84, 1103-1109.	5.1	134
7	Fed batch enzymatic saccharification of newspaper cellulosics improves the sugar content in the hydrolysates and eventually the ethanol fermentation by Saccharomyces cerevisiae. Biomass and Bioenergy, 2010, 34, 1189-1194.	2.9	112
8	Fungal delignification of lignocellulosic biomass improves the saccharification of cellulosics. Biodegradation, 2011, 22, 797-804.	1.5	93
9	Xylanase and laccase based enzymatic kraft pulp bleaching reduces adsorbable organic halogen (AOX) in bleach effluents: A pilot scale study. Bioresource Technology, 2014, 169, 96-102.	4.8	84
10	Fungal pretreatment improves amenability of lignocellulosic material for its saccharification to sugars. Carbohydrate Polymers, 2014, 99, 264-269.	5.1	69
11	Kinetic study of batch and fed-batch enzymatic saccharification of pretreated substrate and subsequent fermentation to ethanol. Biotechnology for Biofuels, 2012, 5, 16.	6.2	56
12	Xylanase production from an alkalophilic actinomycete isolate Streptomyces sp. RCK-2010, its characterization and application in saccharification of second generation biomass. Journal of Molecular Catalysis B: Enzymatic, 2012, 74, 170-177.	1.8	48
13	Process development for the production of bioethanol from waste algal biomass of Gracilaria verrucosa. Bioresource Technology, 2016, 220, 584-589.	4.8	39
14	Study of charcoal detoxification of acid hydrolysate from corncob and its fermentation to xylitol. Journal of Environmental Chemical Engineering, 2017, 5, 4573-4582.	3.3	39
15	Cost effective production of complete cellulase system by newly isolated Aspergillus niger RCKH-3 for efficient enzymatic saccharification: Medium engineering by overall evaluation criteria approach (OEC). Biochemical Engineering Journal, 2018, 132, 182-190.	1.8	36
16	Modulation of xylanase production from alkaliphilic Bacillus pumilus VLK-1 through process optimization and temperature shift operation. 3 Biotech, 2014, 4, 345-356.	1.1	33
17	Fermentation of pentose and hexose sugars from corncob, a low cost feedstock into ethanol. Biomass and Bioenergy, 2012, 47, 334-341.	2.9	21
18	Application of lignocellulolytic enzymes produced under solid state cultivation conditions. Bioresource Technology, 2012, 115, 249-254.	4.8	17

#	Article	IF	Citations
19	Cellulases and Their Biotechnological Applications. , 2013, , 89-106.		17
20	Cost-effective production of cellulose hydrolysing enzymes from Trichoderma sp. RCK65 under SSF and its evaluation in saccharification of cellulosic substrates. Bioprocess and Biosystems Engineering, 2016, 39, 1659-1670.	1.7	17
21	Simultaneous saccharification and fermentation of pretreated sugarcane bagasse to ethanol using a new thermotolerant yeast. Annals of Microbiology, 2015, 65, 423-429.	1.1	11
22	Microbial Pectinases and Their Applications. , 2013, , 107-124.		10
23	Pilot-scale pretreatments of sugarcane bagasse with steam explosion and mineral acid, organic acid, and mixed acids: synergies, enzymatic hydrolysis efficiencies, and structure-morphology correlations. Biomass Conversion and Biorefinery, 2017, 7, 179-189.	2.9	10
24	Second Generation Bioethanol Production: The State of Art. Biofuel and Biorefinery Technologies, 2019, , 121-146.	0.1	10
25	Enzymatic Saccharification of Acid/Alkali Pre-treated, Mill-run, and Depithed Sugarcane Bagasse. BioResources, 2016, 11, .	0.5	9
26	Optimization of Levulinic Acid Production from Depithed Sugarcane Bagasse in 1-Ethyl-3-methylimidazolium hydrogen sulfate [EMim][HSO4]. Waste and Biomass Valorization, 2021, 12, 3179-3191.	1.8	8
27	Cellulases: Application in Wine and Brewery Industry. , 2016, , 193-200.		6
28	Scaleâ€up of abatement of fermentation inhibitors from acid hydrolysates for efficient conversion to ethanol as biofuel. Journal of Chemical Technology and Biotechnology, 2016, 91, 1826-1834.	1.6	4
29	Microbial Decolorization of Colored Industrial Effluents. , 2012, , 787-813.		4
30	Enhanced Exoglucanase Production by Brown Rot Fungus Fomitopsis sp. RCK2010 and its Application for Cellulose Saccharification. Applied Biochemistry and Biotechnology, 2012, 168, 2004-2016.	1.4	3
31	Patenting Trends in Bioremediation Technologies for Oil-Contaminated Sites. , 2013, , 289-313.		2
32	Sustainable Enzyme Technology for Environment: Biosensors for Monitoring of Pollutants and Toxic Compounds. , 2013, , 69-76.		1
33	Biofuels: The Environment-Friendly Energy Carriers. , 2013, , 125-148.		0