Muhammad Sohail

List of Publications by Year
in descending order

51 papers	1,005 citations	516710 16 h-index	477307 29 g-index
53 all docs	53 docs citations	53 times ranked	769 citing authors

#	Article	IF	Citations
1	Cellulase production from Aspergillus niger MS82: effect of temperature and pH. New Biotechnology, 2009, 25, 437-441.	4.4	161
2	Cellulases: From Bioactivity to a Variety of Industrial Applications. Biomimetics, 2021, 6, 44.	3.3	96
3	Evaluation of a yeast co-culture for cellulase and xylanase production under solid state fermentation of sugarcane bagasse using multivariate approach. Industrial Crops and Products, 2018, 123, 407-415.	5.2	46
4	Production of plant cell wall degrading enzymes by monoculture and co-culture of Aspergillus niger and Aspergillus terreus under SSF of banana peels. Brazilian Journal of Microbiology, 2014, 45, 1485-1492.	2.0	40
5	Statistical optimization of immobilization of yeast cells on corncob for pectinase production. Biocatalysis and Agricultural Biotechnology, 2018, 14, 450-456.	3.1	39
6	Banana Peels: A Promising Substrate for the Coproduction of Pectinase and Xylanase from Aspergillus fumigatus MS16. Polish Journal of Microbiology, 2020, 69, 19-26.	1.7	39
7	Methyltrioctylammonium chloride mediated removal of lignin from sugarcane bagasse for themostable cellulase production. International Journal of Biological Macromolecules, 2019, 140, 1064-1072.	7.5	36
8	Characterization of pectinase from Geotrichum candidum AA15 and its potential application in orange juice clarification. Journal of King Saud University - Science, 2020, 32, 955-961.	3.5	36
9	Production of cellulase from Aspergillus terreus MS105 on crude and commercially purified substrates. 3 Biotech, 2016, 6, 103.	2.2	34
10	An overview on marine cellulolytic enzymes and their potential applications. Applied Microbiology and Biotechnology, 2020, 104, 6873-6892.	3.6	32
11	Marine Bacterial Esterases: Emerging Biocatalysts for Industrial Applications. Applied Biochemistry and Biotechnology, 2021, 193, 1187-1214.	2.9	32
12	Cellulose extraction from methyltrioctylammonium chloride pretreated sugarcane bagasse and its application. International Journal of Biological Macromolecules, 2020, 165, 11-17.	7.5	29
13	Application of Candida tropicalis MK-160 for the production of xylanase and ethanol. Journal of King Saud University - Science, 2019, 31, 1189-1194.	3.5	27
14	Alginate Lyases from Marine Bacteria: An Enzyme Ocean for Sustainable Future. Molecules, 2022, 27, 3375.	3.8	26
15	Utilization of methyltrioctylammonium chloride as new ionic liquid in pretreatment of sugarcane bagasse for production of cellulase by novel thermophilic bacteria. Journal of Biotechnology, 2020, 317, 34-38.	3.8	23
16	Xylanolytic Bacillus species for xylooligosaccharides production: a critical review. Bioresources and Bioprocessing, 2021, 8, .	4.2	23
17	Combined pretreatment of sugarcane bagasse using alkali and ionic liquid to increase hemicellulose content and xylanase production. BMC Biotechnology, 2020, 20, 64.	3.3	19
18	Comparison of composting of chemically pretreated and fermented sugarcane bagasse for zero-waste biorefinery. Journal of Material Cycles and Waste Management, 2021, 23, 911-921.	3.0	19

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19	Citrus limetta peels: a promising substrate for the production of multienzyme preparation from a yeast consortium. Bioresources and Bioprocessing, 2019, 6, .	4.2	16
20	Supporting role of lignin in immobilization of yeast on sugarcane bagasse for continuous pectinase production. Journal of the Science of Food and Agriculture, 2021, 101, 1709-1714.	3.5	16
21	Detection of carbapenemases, AmpC and ESBL genes in Acinetobacter isolates from ICUs by DNA microarray. Journal of Microbiological Methods, 2018, 155, 19-23.	1.6	15
22	Pectinase production from immobilized and free cells of Geotrichum candidum AA15 in galacturonic acid and sugars containing medium. Journal of King Saud University - Science, 2020, 32, 952-954.	3.5	15
23	Co-culturing corncob-immobilized yeasts on orange peels for the production of pectinase. Biotechnology Letters, 2020, 42, 1743-1753.	2.2	15
24	Evaluation of Factors Affecting Saccharification of Sugarcane Bagasse Using Cellulase Preparation from a Thermophilic Strain of Brevibacillus sp.. Current Microbiology, 2020, 77, 2422-2429.	2.2	14
25	Marine microbial L-glutaminase: from pharmaceutical to food industry. Applied Microbiology and Biotechnology, 2021, 105, 4453-4466.	3.6	14
26	Production of multienzyme by Bacillus aestuarii UE25 using ionic liquid pretreated sugarcane bagasse. Journal of Basic Microbiology, 2021, 61, 1016-1028.	3.3	12
27	Luffa cylindrica Immobilized with Aspergillus terreus QMS-1: an Efficient and Cost-Effective Strategy for the Removal of Congo Red using Stirred Tank Reactor. Polish Journal of Microbiology, 2020, 69, 193-203.	1.7	12
28	Wild Halophytic Phragmites karka Biomass Saccharification by Bacterial Enzyme Cocktail. Frontiers in Microbiology, 2021, 12, 714940.	3.5	12
29	Biophysicochemical characterization of Pyocin SA189 produced by Pseudomonas aeruginosa SA189. Brazilian Journal of Microbiology, 2015, 46, 1147-1154.	2.0	11
30	Production of cellulase and xylanase from Candida tropicalis (MK-118) on purified and crude substrates. Pakistan Journal of Botany, 2020, 52, .	0.5	11
31	Use of Ionic Liquid Pretreated and Fermented Sugarcane Bagasse as an Adsorbent for Congo Red Removal. Polymers, 2021, 13, 3943.	4.5	11
32	NDM Production as a Dominant Feature in Carbapenem-Resistant Enterobacteriaceae Isolates from a Tertiary Care Hospital. Antibiotics, 2022, 11, 48.	3.7	9
33	Cellulolytic and Xylanolytic Enzymes from Yeasts: Properties and Industrial Applications. Molecules, 2022, 27, 3783.	3.8	9
34	Ionic Liquids: Green Solvent for Biomass Pretreatment. Nanotechnology in the Life Sciences, 2020, , 27-36.	0.6	8
35	Optimization of pectinase production from Geotrichum candidum AA15 using response surface methodology. Pakistan Journal of Botany, 2019, 51, .	0.5	7
36	Bacteremia in a human caused by an XDR strain of Pseudomonas fulva. Journal of Infection in Developing Countries, 2018, 12, 597-599.	1.2	7

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37	Sugarcane bagasse: A promising substrate for solid-state fermentation. , 2021, , 1-13.		5
38	Characterization of cellulases from thermophilic bacilli and their application for the saccharification of sugarcane bagasse. Pakistan Journal of Botany, 2020, 52, .	0.5	5
39	Statistical optimization of saccharificaion of carbohydrate content of alkali pretreated sugarcane bagasse by enzyme cocktail produced by Bacillus vallismortis MH 1 and Bacillus aestuarii UE25. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100174.	2.6	5
40	Lignin: A Renewable Chemical Feedstock. , 2021, , 1-15.		4
41	Two layered strategy for cost effective production of pectinase: immobilization of yeast and utilization of crude substrate. Heliyon, 2020, 6, e05456.	3.2	3
42	Characterization, thermal stabilization and desizing potential of amylase from A. tubingensis SY 1. Journal of the Textile Institute, 2022, 113, 993-1000.	1.9	3
43	Biomass to Xylose. Advances in Science, Technology and Innovation, 2021, , 247-265.	0.4	2
44	Carbapenemases among Acinetobacter species isolated from NICU of a tertairy care hospital in Karachi. JPMA the Journal of the Pakistan Medical Association, 2017, 67, 1547-1551.	0.2	2
45	Utilization of hydrolysate from saccharified sugarcane bagasse for phosphatases production. Biomass Conversion and Biorefinery, 2024, 14, 5331-5342.	4.6	2
46	Glucoamylase from a thermophilic strain of Bacillus licheniformis RT-17: production and characterization. Pakistan Journal of Botany, 2020, 52, .	0.5	1
47	Production of lipases from Zygosaccharomyces MRAKII TS16. Pakistan Journal of Botany, 2020, 52, .	0.5	1
48	Amylase production and growth pattern of two indigenously isolated Aspergilli under submerged fermentation: influence of physico-chemical parameters. Pakistan Journal of Botany, 2021, 53, .	0.5	1
49	Mutagenesis of Aspergillus niger MS82 for cellulase production. Clinical Biochemistry, 2011, 44, S239-S240.	1.9	0
50	PCR and microarray analysis of AmpC and ESBLs producing Pseudomonas aeruginosa isolates from intensive care units. Gene Reports, 2021, 23, 101178.	0.8	0
51	A cross sectional study to observe the diversity of fungal species in Onychomycosis isolated from a tertiary care hospital in Karachi.. JPMA the Journal of the Pakistan Medical Association, 2021, 71, 1-12.	0.2	0