

Arun Goyal

List of Publications by Year in descending order

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194
papers

5,496
citations

101543

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63
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197
all docs

197
docs citations

197
times ranked

6195
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in mushrooms as anti-cancer therapeutics: a review. <i>3 Biotech</i> , 2012, 2, 1-15.	2.2	266
2	Functional oligosaccharides: production, properties and applications. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 1119-1128.	3.6	230
3	Applications of Natural Polymer Gum Arabic: A Review. <i>International Journal of Food Properties</i> , 2015, 18, 986-998.	3.0	215
4	Potentials of Exopolysaccharides from Lactic Acid Bacteria. <i>Indian Journal of Microbiology</i> , 2012, 52, 3-12.	2.7	204
5	Recent advances in pretreatment technologies for efficient hydrolysis of lignocellulosic biomass. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 489-511.	2.3	200
6	Structural analysis and properties of dextran produced by <i>Leuconostoc mesenteroides</i> NRRL B-640. <i>Carbohydrate Polymers</i> , 2009, 76, 30-35.	10.2	162
7	The current trends and future perspectives of prebiotics research: a review. <i>3 Biotech</i> , 2012, 2, 115-125.	2.2	148
8	Antioxidant activity and $\hat{1}^3$ -aminobutyric acid (GABA) producing ability of probiotic <i>Lactobacillus plantarum</i> DM5 isolated from Marcha of Sikkim. <i>LWT - Food Science and Technology</i> , 2015, 61, 263-268.	5.2	137
9	Characterization of microwave-alkali-acid pre-treated rice straw for optimization of ethanol production via simultaneous saccharification and fermentation (SSF). <i>Energy Conversion and Management</i> , 2017, 141, 133-144.	9.2	105
10	The Family 11 Carbohydrate-binding Module of <i>Clostridium thermocellum</i> Lic26A-Cel5E Accommodates $\hat{1}^2$ -1,4- and $\hat{1}^2$ -1,3- $\hat{1}^4$ -Mixed Linked Glucans at a Single Binding Site. <i>Journal of Biological Chemistry</i> , 2004, 279, 34785-34793.	3.4	95
11	A food additive with prebiotic properties of an $\hat{1}^4$ -d-glucan from <i>Lactobacillus plantarum</i> DM5. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 20-26.	7.5	88
12	Application of response surface methodology for glucan production from <i>Leuconostoc dextranicum</i> and its structural characterization. <i>Carbohydrate Polymers</i> , 2009, 75, 150-156.	10.2	83
13	Chitin and chitinase: Role in pathogenicity, allergenicity and health. <i>International Journal of Biological Macromolecules</i> , 2017, 97, 331-338.	7.5	78
14	Enhancement of Cellulase Activity from a New Strain of <i>Bacillus subtilis</i> by Medium Optimization and Analysis with Various Cellulosic Substrates. <i>Enzyme Research</i> , 2011, 2011, 1-8.	1.8	74
15	Screening and optimization of pretreatments for <i>Parthenium hysterophorus</i> as feedstock for alcoholic biofuels. <i>Applied Energy</i> , 2014, 129, 195-206.	10.1	67
16	Functional food applications of dextran from <i>Weissella cibaria</i> RBA12 from pummelo (<i>Citrus maxima</i>). <i>International Journal of Food Microbiology</i> , 2017, 242, 124-131.	4.7	66
17	How Family 26 Glycoside Hydrolases Orchestrate Catalysis on Different Polysaccharides. <i>Journal of Biological Chemistry</i> , 2005, 280, 32761-32767.	3.4	60
18	Ultrasound-assisted biodiesel production using heterogeneous base catalyst and mixed non-edible oils. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 232-243.	8.2	59

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19	Characterization and biocompatibility of glucan: a safe food additive from probiotic <i>Lactobacillus plantarum</i> DM5. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 683-690.	3.5	58
20	Complexity of the <i>Ruminococcus flavefaciens</i> cellulosome reflects an expansion in glycan recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7136-7141.	7.1	58
21	Mechanistic Investigation in Ultrasound-Assisted (Alkaline) Delignification of <i>Parthenium hysterophorus</i> Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14241-14252.	3.7	57
22	Isolation, Identification, and Characterization of a Cellulolytic <i>Bacillus amyloliquefaciens</i> Strain SS35 from Rhinoceros Dung. , 2013, 2013, 1-7.		56
23	The Active Site of a Carbohydrate Esterase Displays Divergent Catalytic and Noncatalytic Binding Functions. <i>PLoS Biology</i> , 2009, 7, e1000071.	5.6	56
24	Ultrasound-assisted enzymatic biodiesel production using blended feedstock of non-edible oils: Kinetic analysis. <i>Energy Conversion and Management</i> , 2019, 188, 142-150.	9.2	55
25	Enhanced production of exocellular glucanase from <i>Leuconostoc dextranicum</i> NRRL B-1146 using response surface method. <i>Bioresource Technology</i> , 2008, 99, 3685-3691.	9.6	54
26	Recovery and Purification of Oligosaccharides from Copra Meal by Recombinant Endo- β -mannanase and Deciphering Molecular Mechanism Involved and Its Role as Potent Therapeutic Agent. <i>Molecular Biotechnology</i> , 2015, 57, 111-127.	2.4	52
27	<i>Weissella confusa</i> Cab3 dextranase: Properties and in vitro synthesis of dextran and glucooligosaccharides. <i>Carbohydrate Polymers</i> , 2014, 101, 554-564.	10.2	51
28	Probiotics in valorization of innate immunity across various animal models. <i>Journal of Functional Foods</i> , 2015, 14, 549-561.	3.4	50
29	Superior prebiotic and physicochemical properties of novel dextran from <i>Weissella cibaria</i> JAG8 for potential food applications. <i>Food and Function</i> , 2014, 5, 2324-2330.	4.6	48
30	Thermostable Recombinant β -(1 \rightarrow 4)-Mannanase from <i>C. thermocellum</i> : Biochemical Characterization and Manno-Oligosaccharides Production. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12333-12344.	5.2	46
31	Rye bran as fermentation matrix boosts in situ dextran production by <i>Weissella confusa</i> compared to wheat bran. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3499-3510.	3.6	42
32	Artificial intelligence based optimization of exocellular glucanase production from <i>Leuconostoc dextranicum</i> NRRL B-1146. <i>Bioresource Technology</i> , 2008, 99, 8201-8206.	9.6	41
33	Mechanistic investigation in ultrasound induced enhancement of enzymatic hydrolysis of invasive biomass species. <i>Bioresource Technology</i> , 2016, 213, 342-349.	9.6	41
34	Screening and optimization of nutritional factors for higher dextranase production by <i>Leuconostoc mesenteroides</i> NRRL B-640 using statistical approach. <i>Bioresource Technology</i> , 2008, 99, 7108-7114.	9.6	40
35	Enhanced bioethanol production from water hyacinth (<i>Eichhornia crassipes</i>) by statistical optimization of fermentation process parameters using Taguchi orthogonal array design. <i>International Biodeterioration and Biodegradation</i> , 2016, 109, 174-184.	3.9	40
36	Identification, effective purification and functional characterization of dextranase from <i>Leuconostoc mesenteroides</i> NRRL B-640. <i>Bioresource Technology</i> , 2008, 99, 3635-3642.	9.6	39

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37	Structural analysis and biomedical applications of dextran produced by a new isolate <i>Pediococcus pentosaceus</i> screened from biodiversity hot spot Assam. <i>Bioresource Technology</i> , 2010, 101, 6852-6855.	9.6	38
38	Bioconversion of Agricultural Waste to Ethanol by SSF Using Recombinant Cellulase from <i>Clostridium thermocellum</i> . <i>Enzyme Research</i> , 2011, 2011, 1-6.	1.8	38
39	Enhanced Cellulase Production from <i>Bacillus subtilis</i> by Optimizing Physical Parameters for Bioethanol Production. <i>ISRN Biotechnology</i> , 2013, 2013, 1-11.	1.9	38
40	Probiotic Potential of <i>Pediococcus pentosaceus</i> CRAG3: A New Isolate from Fermented Cucumber. <i>Probiotics and Antimicrobial Proteins</i> , 2014, 6, 11-21.	3.9	38
41	A Novel α -L-Arabinofuranosidase of Family 43 Glycoside Hydrolase (Ct43Araf) from <i>Clostridium thermocellum</i> . <i>PLoS ONE</i> , 2013, 8, e73575.	2.5	37
42	Optimization of carboxymethylcellulase production from <i>Bacillus amyloliquefaciens</i> SS35. <i>3 Biotech</i> , 2014, 4, 411-424.	2.2	37
43	Mechanistic insight into ultrasound induced enhancement of simultaneous saccharification and fermentation of <i>Parthenium hysterophorus</i> for ethanol production. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 249-256.	8.2	37
44	Rheological and gelling properties of a novel glucan from <i>Leuconostoc dextranicum</i> NRRL B-1146. <i>Food Research International</i> , 2009, 42, 525-528.	6.2	36
45	A novel high dextran yielding <i>Weissella cibaria</i> JAG8 for cereal food application. <i>International Journal of Food Sciences and Nutrition</i> , 2013, 64, 346-354.	2.8	36
46	Gentio-oligosaccharides from <i>Leuconostoc mesenteroides</i> NRRL B-1426 dextransucrase as prebiotics and as a supplement for functional foods with anti-cancer properties. <i>Food and Function</i> , 2015, 6, 604-611.	4.6	36
47	Bioethanol Production Involving Recombinant <i>C. thermocellum</i> Hydrolytic Hemicellulase and Fermentative Microbes. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1475-1488.	2.9	35
48	In vitro analysis of dextran from <i>Leuconostoc mesenteroides</i> NRRL B-1426 for functional food application. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2015, 6, 55-61.	2.7	35
49	Ultrasound enhanced ethanol production from <i>Parthenium hysterophorus</i> : A mechanistic investigation. <i>Bioresource Technology</i> , 2015, 188, 287-294.	9.6	35
50	Bacterial adhesins, the pathogenic weapons to trick host defense arsenal. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 763-771.	5.6	35
51	Novel dextran from <i>Pediococcus pentosaceus</i> CRAG3 isolated from fermented cucumber with anti-cancer properties. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 352-357.	7.5	34
52	Mechanistic analysis of ultrasound-assisted biodiesel synthesis with Cu ₂ O catalyst and mixed oil feedstock using continuous (packed bed) and batch (slurry) reactors. <i>Chemical Engineering Science</i> , 2017, 170, 743-755.	3.8	34
53	Structural and biocompatibility properties of dextran from <i>Weissella cibaria</i> JAG8 as food additive. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 686-691.	2.8	33
54	Ultrasound enhanced enzymatic hydrolysis of <i>Parthenium hysterophorus</i> : A mechanistic investigation. <i>Bioresource Technology</i> , 2015, 192, 636-645.	9.6	32

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55	An assessment of the potential of invasive weeds as multiple feedstocks for biofuel production. RSC Advances, 2016, 6, 47151-47163.	3.6	29
56	Physicochemical, antioxidant and biocompatible properties of chondroitin sulphate isolated from chicken keel bone for potential biomedical applications. Carbohydrate Polymers, 2017, 159, 11-19.	10.2	29
57	Enzymatic hydrolysis of hemicellulose from pretreated Finger millet (<i>Eleusine coracana</i>) straw by recombinant endo-1,4- β -xylanase and exo-1,4- β -xylosidase. International Journal of Biological Macromolecules, 2019, 135, 1098-1106.	7.5	29
58	Regulation of dextransucrase productivity of <i>Leuconostoc mesenteroides</i> NRRL B-512F by the maintenance media.. Journal of General and Applied Microbiology, 1996, 42, 81-85.	0.7	27
59	Therapeutic Spectrum of Nondigestible Oligosaccharides: Overview of Current State and Prospect. Journal of Food Science, 2014, 79, R1491-8.	3.1	27
60	Novel insights into the degradation of β -1,3-glucans by the cellulosome of <i>Clostridium thermocellum</i> revealed by structure and function studies of a family 81 glycoside hydrolase. International Journal of Biological Macromolecules, 2018, 117, 890-901.	7.5	26
61	Extraction, characterization of xylan from <i>Azadirachta indica</i> (neem) sawdust and production of antiproliferative xylooligosaccharides. International Journal of Biological Macromolecules, 2020, 163, 1897-1907.	7.5	26
62	Fractionation of <i>Leuconostoc mesenteroides</i> NRRL B-512F dextran sucrose by polyethylene glycol: a simple and effective method purification. Journal of Microbiological Methods, 1994, 20, 225-231.	1.6	25
63	Stabilization of dextransucrase from <i>Leuconostoc mesenteroides</i> NRRL B-640. Indian Journal of Microbiology, 2010, 50, 57-61.	2.7	25
64	Development of bi-functional chimeric enzyme (CtGH1-L1-CtGH5-F194A) from endoglucanase (CtGH5) mutant F194A and β -1,4-glucosidase (CtGH1) from <i>Clostridium thermocellum</i> with enhanced activity and structural integrity. Bioresource Technology, 2019, 282, 494-501.	9.6	25
65	Acacia Xylan as a Substitute for Commercially Available Xylan and Its Application in the Production of Xylooligosaccharides. ACS Omega, 2020, 5, 13729-13738.	3.5	25
66	Bioconversion of sugarcane tops to bioethanol and other value added products: An overview. Materials Science for Energy Technologies, 2021, 4, 54-68.	1.8	25
67	Role of Pectinolytic Enzymes Identified in <i>Clostridium thermocellum</i> Cellulosome. PLoS ONE, 2015, 10, e0116787.	2.5	24
68	Ultrasound-Intensified Biodiesel Production from Mixed Nonedible Oil Feedstock Using Heterogeneous Acid Catalyst Supported on Rubber De-oiled Cake. Industrial & Engineering Chemistry Research, 2018, 57, 14926-14938.	3.7	24
69	Comparative analysis of pretreatment methods on sorghum (<i>Sorghum durra</i>) stalk agrowaste for holocellulose content. Preparative Biochemistry and Biotechnology, 2018, 48, 457-464.	1.9	24
70	16S rRNA-Based Identification of a Glucan-Hyperproducing <i>Weissella confusa</i> . Enzyme Research, 2011, 2011, 1-10.	1.8	23
71	Evolving Roles of Probiotics in Cancer Prophylaxis and Therapy. Probiotics and Antimicrobial Proteins, 2013, 5, 59-67.	3.9	23
72	Mechanistic investigations in biobutanol synthesis via ultrasound-assisted ABE fermentation using mixed feedstock of invasive weeds. Bioresource Technology, 2019, 272, 389-397.	9.6	23

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73	A novel member of family 30 glycoside hydrolase subfamily 8 glucuronoxylan endo- β -1,4-xylanase (CtXynGH30) from <i>Clostridium thermocellum</i> orchestrates catalysis on arabinose decorated xylans. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 129, 6-14.	1.8	22
74	Computational guided drug repurposing for targeting 2 β -O-ribose methyltransferase of SARS-CoV-2. <i>Life Sciences</i> , 2020, 259, 118169.	4.3	22
75	Effect of certain nutrients on the production of dextransucrase from <i>Leuconostoc mesenteroides</i> NRRL B-512F. <i>Journal of Basic Microbiology</i> , 1997, 37, 197-204.	3.3	21
76	PURIFICATION AND CHARACTERIZATION OF AN ALKALINE CELLULASE PRODUCED BY <i>Bacillus subtilis</i> (AS3). <i>Preparative Biochemistry and Biotechnology</i> , 2013, 43, 256-270.	1.9	19
77	Lignocellulosic Fermentation of Wild Grass Employing Recombinant Hydrolytic Enzymes and Fermentative Microbes with Effective Bioethanol Recovery. <i>BioMed Research International</i> , 2013, 2013, 1-14.	1.9	19
78	Characterization of a noncytotoxic bacteriocin from probiotic <i>Lactobacillus plantarum</i> DM5 with potential as a food preservative. <i>Food and Function</i> , 2014, 5, 2453-2462.	4.6	19
79	Low-resolution SAXS and comparative modeling based structure analysis of endo- β -1,4-xylanase a family 10 glycoside hydrolase from <i>Pseudopedobacter saltans</i> comb. nov.. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 1104-1114.	7.5	19
80	Approach to an efficient pretreatment method for rice straw by deep eutectic solvent for high saccharification efficiency. <i>Bioresource Technology</i> , 2022, 351, 127057.	9.6	19
81	An overview of purification methods of glycoside hydrolase family 70 dextransucrase. <i>Indian Journal of Microbiology</i> , 2007, 47, 197-206.	2.7	18
82	Enhanced production of a novel dextran from <i>Leuconostoc mesenteroides</i> NRRL B-640 by Response Surface Methodology. <i>Annals of Microbiology</i> , 2009, 59, 309-315.	2.6	18
83	Optimization of Isomaltooligosaccharide Size Distribution by Acceptor Reaction of <i>Weissella confusa</i> Dextransucrase and Characterization of Novel α -(1 \rightarrow 2)-Branched Isomaltooligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 3276-3286.	5.2	18
84	Molecular Cloning, Expression and Characterization of Pectin Methyltransferase (CtPME) from <i>Clostridium thermocellum</i> . <i>Molecular Biotechnology</i> , 2017, 59, 128-140.	2.4	18
85	BIOETHANOL PRODUCTION FROM LEAFY BIOMASS OF MANGO (<i>Mangifera indica</i>) INVOLVING NATURALLY ISOLATED AND RECOMBINANT ENZYMES. <i>Preparative Biochemistry and Biotechnology</i> , 2013, 43, 717-734.	1.9	17
86	Prebiotic Chondroitin Sulfate Disaccharide Isolated from Chicken Keel Bone Exhibiting Anticancer Potential Against Human Colon Cancer Cells. <i>Nutrition and Cancer</i> , 2019, 71, 825-839.	2.0	17
87	Green bioprocess of degumming of jute fibers and bioscouring of cotton fabric by recombinant pectin methyltransferase and pectate lyases from <i>Clostridium thermocellum</i> . <i>Process Biochemistry</i> , 2020, 92, 93-104.	3.7	17
88	Dextran and Food Application. , 2014, , 1-16.		17
89	Ultrasound-assisted biodiesel synthesis by in situ transesterification of microalgal biomass: Optimization and kinetic analysis. <i>Algal Research</i> , 2022, 61, 102582.	4.6	17
90	Characterization of cellulase producing <i>Bacillus</i> sp. for effective degradation of leaf litter biomass. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 1195-1201.	2.3	16

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91	Statistical Optimization of Fermentation Process Parameters by Taguchi Orthogonal Array Design for Improved Bioethanol Production. <i>Journal of Fuels</i> , 2014, 2014, 1-11.	0.2	16
92	Optimal conditions for production of dextransucrase from <i>Leuconostoc mesenteroides</i> NRLL B-512F and its properties. <i>Journal of Basic Microbiology</i> , 1995, 35, 375-384.	3.3	15
93	Optimization of Fermentation Medium for Enhanced Glucansucrase and Glucan Production from <i>Weissella confusa</i> . <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 1117-1124.	0.5	15
94	PURIFICATION, OPTIMIZATION OF ASSAY, AND STABILITY STUDIES OF DEXTRANSUCRASE ISOLATED FROM <i>Weissella cibaria</i> JAG8. <i>Preparative Biochemistry and Biotechnology</i> , 2013, 43, 329-341.	1.9	15
95	Bioethanol production from hemicellulose rich <i>Populus nigra</i> involving recombinant hemicellulases from <i>Clostridium thermocellum</i> . <i>Bioresource Technology</i> , 2014, 165, 205-213.	9.6	15
96	Purification and characterization of acidic cellulase from <i>Bacillus amyloliquefaciens</i> SS35 for hydrolyzing <i>Parthenium hysterophorus</i> biomass. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 810-818.	2.3	15
97	A New Member of Family 11 Polysaccharide Lyase, Rhamnogalacturonan Lyase (CtRGLf) from <i>Clostridium thermocellum</i> . <i>Molecular Biotechnology</i> , 2016, 58, 232-240.	2.4	15
98	Immobilization of recombinant pectate lyase from <i>Clostridium thermocellum</i> ATCC 27405 on magnetic nanoparticles for bioscouring of cotton fabric. <i>Biotechnology Progress</i> , 2017, 33, 236-244.	2.6	15
99	Physical insights of ultrasound-assisted ethanol production from composite feedstock of invasive weeds. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 378-385.	8.2	15
100	Structure and biochemical characterization of glucose tolerant β -1,4 glucosidase (HtBgl) of family 1 glycoside hydrolase from <i>Hungateiclostridium thermocellum</i> . <i>Carbohydrate Research</i> , 2019, 483, 107750.	2.3	15
101	Human RAD51 paralogue RAD51C fosters repair of alkylated DNA by interacting with the ALKBH3 demethylase. <i>Nucleic Acids Research</i> , 2019, 47, 11729-11745.	14.5	15
102	Enhanced catalytic efficiency of <i>Bacillus amyloliquefaciens</i> SS35 endoglucanase by ultraviolet directed evolution and mutation analysis. <i>Renewable Energy</i> , 2020, 151, 1124-1133.	8.9	15
103	Combined SAXS and computational approaches for structure determination and binding characteristics of Chimera (CtGH1-L1-CtGH5-F194A) generated by assembling β -glucosidase (CtGH1) and a mutant endoglucanase (CtGH5-F194A) from <i>Clostridium thermocellum</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 148, 364-377.	7.5	15
104	Dextran and Food Application. , 2015, , 735-752.		15
105	Immobilization of glucansucrase for the production of gluco-oligosaccharides from <i>Leuconostoc mesenteroides</i> . <i>Biotechnology Letters</i> , 2012, 34, 2101-2106.	2.2	14
106	Lactic Acid Bacteria in Food Industry. , 2012, , 757-772.		14
107	Molecular characterization of a first endo-acting β -1,4-xylanase of family 10 glycoside hydrolase (PsGH10A) from <i>Pseudopedobacter saltans</i> comb. nov.. <i>Process Biochemistry</i> , 2018, 70, 79-89.	3.7	14
108	Role of carbohydrate binding module (CBM3c) of GH9 β -1,4 endoglucanase (Cel9W) from <i>Hungateiclostridium thermocellum</i> ATCC 27405 in catalysis. <i>Carbohydrate Research</i> , 2019, 484, 107782.	2.3	14

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109	Impact of mild and harsh conditions of formic acid-based organosolv pretreatment on biomass fractionation of sugarcane tops. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 2027-2040.	4.6	14
110	Extraction and characterization of xylan from sugarcane tops as a potential commercial substrate. <i>Journal of Bioscience and Bioengineering</i> , 2021, 131, 647-654.	2.2	14
111	Insights into Structure and Reaction Mechanism of β -Mannanases. <i>Current Protein and Peptide Science</i> , 2017, 19, 34-47.	1.4	14
112	Chondroitin Sulfate (CS) Lyases: Structure, Function and Application in Therapeutics. <i>Current Protein and Peptide Science</i> , 2017, 19, 22-33.	1.4	14
113	Investigations in ultrasonic enhancement of β -carotene production by isolated microalgal strain <i>Tetrademus obliquus</i> SGM19. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104697.	8.2	13
114	Potential probiotic attributes and antagonistic activity of an indigenous isolate <i>Lactobacillus plantarum</i> DM5 from an ethnic fermented beverage "Marcha" of North Eastern Himalayas. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 335-344.	2.8	12
115	A new member of family 8 polysaccharide lyase chondroitin AC lyase (Ps PL8A) from <i>Pedobacter saltans</i> displays endo- and exo-lytic catalysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 134, 215-224.	1.8	12
116	β -L-Arabinofuranosidase: A Potential Enzyme for the Food Industry. <i>Energy, Environment, and Sustainability</i> , 2019, , 229-244.	1.0	12
117	Optimized endodextranase-epoxy CIM \hat{A} ® disk reactor for the continuous production of molecular weight-controlled prebiotic isomalto-oligosaccharides. <i>Process Biochemistry</i> , 2017, 58, 105-113.	3.7	11
118	Purification and characterization of dextransucrase from <i>Weissella cibaria</i> RBA12 and its application in <i>in vitro</i> synthesis of prebiotic oligosaccharides in mango and pineapple juices. <i>LWT - Food Science and Technology</i> , 2017, 84, 449-456.	5.2	11
119	Manno-oligosaccharides as Prebiotic-Valued Products from Agro-waste. <i>Energy, Environment, and Sustainability</i> , 2018, , 205-221.	1.0	11
120	Molecular Characterization, Regioselective and Synergistic Action of First Recombinant Type III β -L-arabinofuranosidase of Family 43 Glycoside Hydrolase (PsGH43_12) from <i>Pseudopedobacter saltans</i> . <i>Molecular Biotechnology</i> , 2020, 62, 443-455.	2.4	11
121	Alkaline pretreatment and response surface methodology based recombinant enzymatic saccharification and fermentation of sugarcane tops. <i>Bioresource Technology</i> , 2021, 341, 125837.	9.6	11
122	Alcoholic Biofuels Production from Biodiesel Derived Glycerol by <i>Clostridium pasteurianum</i> Whole Cells Immobilized on Silica. <i>Waste and Biomass Valorization</i> , 2014, 5, 789-798.	3.4	10
123	Isolation, purification and functional characterization of glucansucrase from probiotic <i>Lactobacillus plantarum</i> DM5. <i>Annals of Microbiology</i> , 2014, 64, 1715-1724.	2.6	10
124	The family 6 Carbohydrate Binding Module (CtCBM6) of glucuronoxylanase (CtXynGH30) of <i>Clostridium thermocellum</i> binds decorated and undecorated xylans through cleft A. <i>Archives of Biochemistry and Biophysics</i> , 2015, 575, 8-21.	3.0	10
125	SAXS and homology modelling based structure characterization of pectin methylesterase a family 8 carbohydrate esterase from <i>Clostridium thermocellum</i> ATCC 27405. <i>Archives of Biochemistry and Biophysics</i> , 2018, 641, 39-49.	3.0	10
126	Molecular Cloning, Expression and Biochemical Characterization of a Family 5 Glycoside Hydrolase First Endo-Mannanase (RfGH5_7) from <i>Ruminococcus flavefaciens</i> FD-1 v3. <i>Molecular Biotechnology</i> , 2019, 61, 826-835.	2.4	10

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127	Sequential pretreatment of sugarcane bagasse by alkali and organosolv for improved delignification and cellulose saccharification by chimera and cellobiohydrolase for bioethanol production. 3 Biotech, 2021, 11, 59.	2.2	10
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