

Arun Goyal

List of Publications by Year in descending order

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194
papers

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101543

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docs citations

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times ranked

6195
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Highly efficient, processive and multifunctional recombinant endoglucanase RfGH5_4 from <i>Ruminococcus flavefaciens</i> FD-1 v3 for recycling lignocellulosic plant biomasses. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 801-813.	7.5	7
4	Exopolysaccharides from lactic acid bacteria in fermented foods and beverages. , 2022, , 305-317.		0
5	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
6	Computational modeling and small-angle X-ray scattering based structure analysis and identifying ligand cleavage mechanism by processive endocellulase of family 9 glycoside hydrolase (HtGH9) from <i>Hungateiclostridium thermocellum</i> ATCC 27405. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 103, 107808.	2.4	7
7	Small angle X-ray scattering based structure, modeling and molecular dynamics analyses of family 43 glycoside hydrolase β -L-arabinofuranosidase from <i>Clostridium thermocellum</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 209-218.	3.5	3
8	Thermostable Enzymes from <i>Clostridium thermocellum</i> . , 2021, , 251-267.		3
9	Sequential pretreatment of sugarcane bagasse by alkali and organosolv for improved delignification and cellulose saccharification by chimera and cellobiohydrolase for bioethanol production. <i>3 Biotech</i> , 2021, 11, 59.	2.2	10
10	Fermentation and pyrolysis of Finger millet straw: Significance of hydrolysate composition for ethanol production and characterization of bio-oil. <i>Bioresource Technology Reports</i> , 2021, 13, 100630.	2.7	6
11	Structure and dynamics analysis of multi-domain putative β -1,4-glucosidase of family 3 glycoside hydrolase (PsGH3) from <i>Pseudopedobacter saltans</i> . <i>Journal of Molecular Modeling</i> , 2021, 27, 106.	1.8	2
12	Mechanistic investigation in ultrasound-assisted interesterification using non-edible oil blends and heterogeneous catalyst. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2638.	1.5	5
13	Computational and SAXS-based structure insights of pectin acetyl esterase (CtPae12B) of family 12 carbohydrate esterase from <i>Clostridium thermocellum</i> ATCC 27405. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, , 1-18.	3.5	3
14	Two-Step Saccharification of the Xylan Portion of Sugarcane Waste by Recombinant Xylanolytic Enzymes for Enhanced Xylose Production. <i>ACS Omega</i> , 2021, 6, 11772-11782.	3.5	6
15	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
16	Enzymatically produced pectic-oligosaccharides from fruit waste of <i>Citrus reticulata</i> (mandarin) peels display cytotoxicity against colon cancer cells. <i>Bioresource Technology Reports</i> , 2021, 15, 100740.	2.7	7
17	A trimodular family 16 glycoside hydrolase from the cellulosome of <i>Ruminococcus flavefaciens</i> displays highly specific licheninase (EC 3.2.1.73) activity. <i>Microbiology (United Kingdom)</i> , 2021, 167, .	1.8	2
18	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

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19	Bioconversion of sugarcane tops to bioethanol and other value added products: An overview. <i>Materials Science for Energy Technologies</i> , 2021, 4, 54-68.	1.8	25
20	Separation and characterization of cellulose from sugarcane tops and its saccharification by recombinant cellulolytic enzymes. <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 811-820.	1.9	7
21	Emerging trends on the role of recombinant pectinolytic enzymes in industries- an overview. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 38, 102200.	3.1	10
22	Structure and dynamics analysis of a new member heparinase II/III of family 12 polysaccharide lyase from <i>Pseudopedobacter saltans</i> by computational modeling and small-angle X-ray scattering. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2007-2020.	3.5	2
23	Small-angle X-ray scattering based structure, modeling and molecular dynamics analyses of a family 5 glycoside hydrolase first endo-mannanase named as <i>RfGH5_7</i> from <i>Ruminococcus flavefaciens</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 4371-4384.	3.5	3
24	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
25	Extraction, characterization of xylan from <i>Azadirachta indica</i> (neem) sawdust and production of antiproliferative xylooligosaccharides. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1897-1907.	7.5	26
26	Computational guided drug repurposing for targeting 2'-O-ribose methyltransferase of SARS-CoV-2. <i>Life Sciences</i> , 2020, 259, 118169.	4.3	22
27	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
28	Assessment of combination of pretreatment of <i>Sorghum durra</i> stalk and production of chimeric enzyme (β -glucosidase and endo β -1,4 glucanase, <i>CtGH1-L1-CtGH5-F194A</i>) and cellobiohydrolase (<i>CtCBH5A</i>) for saccharification to produce bioethanol. <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 883-896.	1.9	6
29	In vitro prebiotic potential, digestibility and biocompatibility properties of laminari-oligosaccharides produced from curdlan by β -1,3-endoglucanase from <i>Clostridium thermocellum</i> . <i>3 Biotech</i> , 2020, 10, 241.	2.2	8
30	Role of glycine 256 residue in improving the catalytic efficiency of mutant endoglucanase of family 5 glycoside hydrolase from <i>Bacillus amyloliquefaciens</i> SS35. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2668-2682.	3.3	8
31	Green bioprocess of degumming of jute fibers and bioscouring of cotton fabric by recombinant pectin methylesterase and pectate lyases from <i>Clostridium thermocellum</i> . <i>Process Biochemistry</i> , 2020, 92, 93-104.	3.7	17
32	Structure and dynamics analysis of a family 43 glycoside hydrolase β -L-arabinofuranosidase (PsGH43_12) from <i>Pseudopedobacter saltans</i> by computational modeling and small-angle X-ray scattering. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 582-592.	7.5	8
33	Acacia Xylan as a Substitute for Commercially Available Xylan and Its Application in the Production of Xylooligosaccharides. <i>ACS Omega</i> , 2020, 5, 13729-13738.	3.5	25
34	Statistically designed cellulase mixture for saccharification of pretreated <i>Sorghum durra</i> stalk. <i>Industrial Crops and Products</i> , 2020, 154, 112678.	5.2	6
35	Structure analysis of the nucleoprotein of Newcastle disease virus: An insight towards its multimeric form in solution. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 402-411.	7.5	7
36	Evaluation of pre-treatment methods for <i>Lantana camara</i> stem for enhanced enzymatic saccharification. <i>3 Biotech</i> , 2020, 10, 37.	2.2	6

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37	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
38	Physical insights of ultrasound-assisted ethanol production from composite feedstock of invasive weeds. <i>Ultrasonics Sonochemistry</i> , 2019, 51, 378-385.	8.2	15
39	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
40	Investigations in ultrasonic enhancement of β -carotene production by isolated microalgal strain <i>Tetradismus obliquus</i> SGM19. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104697.	8.2	13
41	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
42	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
43	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
44	Extremophilic Biofilms: Exploring the Prospects. <i>ACS Symposium Series</i> , 2019, , 141-157.	0.5	4
45	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. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1098-1106.	7.5	29
46	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. <i>Bioresource Technology</i> , 2019, 282, 494-501.	9.6	25
47	Molecular organization and protein stability of the <i>Clostridium thermocellum</i> glucuronoxylan endo- β -1,4-xylanase of family 30 glycoside hydrolase in solution. <i>Journal of Structural Biology</i> , 2019, 206, 335-344.	2.8	5
48	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
49	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
50	β -L-Arabinofuranosidase: A Potential Enzyme for the Food Industry. <i>Energy, Environment, and Sustainability</i> , 2019, , 229-244.	1.0	12
51	Xylanases for Food Applications. <i>Energy, Environment, and Sustainability</i> , 2019, , 99-118.	1.0	8
52	Antitumor effect of chondroitin AC lyase (PsPL8A) from <i>Pedobacter saltans</i> on melanoma and fibrosarcoma cell lines by in vitro analysis. <i>Pharmacological Reports</i> , 2019, 71, 167-174.	3.3	5
53	Mechanistic investigations in biobutanol synthesis via ultrasound-assisted ABE fermentation using mixed feedstock of invasive weeds. <i>Bioresource Technology</i> , 2019, 272, 389-397.	9.6	23
54	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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55	Bio-Scouring of cotton fabric and enzymatic degumming of jute fibres by a thermo-alkaline recombinant rhamnolacturonan lyase, ctrglf from Clostridium thermocellum. Canadian Journal of Chemical Engineering, 2019, 97, 1043-1047.	1.7	6
56	LIGNOCELLULOSIC BIOMASS CHARACTERISTICS FOR BIOENERGY APPLICATION: AN OVERVIEW. Environmental Engineering and Management Journal, 2019, 18, 367-383.	0.6	6
57	Low-resolution SAXS and comparative modeling based structure analysis of endo- β -1,4-xylanase a family 10 glycoside hydrolase from Pseudopedobacter saltans comb. nov.. International Journal of Biological Macromolecules, 2018, 112, 1104-1114.	7.5	19
58	SAXS and homology modelling based structure characterization of pectin methylesterase a family 8 carbohydrate esterase from Clostridium thermocellum ATCC 27405. Archives of Biochemistry and Biophysics, 2018, 641, 39-49.	3.0	10
59	Molecular characterization of a first endo-acting β -1,4-xylanase of family 10 glycoside hydrolase (PsGH10A) from Pseudopedobacter saltans comb. nov.. Process Biochemistry, 2018, 70, 79-89.	3.7	14
60	Water Hyacinth as a Potential Source of Biofuel for Sustainable Development. Water Science and Technology Library, 2018, , 351-363.	0.3	3
61	Dextran Utilization During Its Synthesis by Weissella cibaria RBA12 Can Be Overcome by Fed-Batch Fermentation in a Bioreactor. Applied Biochemistry and Biotechnology, 2018, 184, 1-11.	2.9	7
62	Insights into the structural characteristics and substrate binding analysis of chondroitin AC lyase (PsPL8A) from Pedobacter saltans. International Journal of Biological Macromolecules, 2018, 109, 980-991.	7.5	2
63	Manno-oligosaccharides as Prebiotic-Valued Products from Agro-waste. Energy, Environment, and Sustainability, 2018, , 205-221.	1.0	11
64	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
65	Optimization of clinical uricase production by Bacillus cereus under submerged fermentation, its purification and structure characterization. Process Biochemistry, 2018, 75, 49-58.	3.7	8
66	Deciphering the mode of action, structural and biochemical analysis of heparinase II/III (PsPL12a) a new member of family 12 polysaccharide lyase from Pseudopedobacter saltans. Annals of Microbiology, 2018, 68, 409-418.	2.6	5
67	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
68	Synthesis of Bioethanol From Invasive Weeds: Process Design, Optimization, and Intensification With Ultrasound. , 2018, , 445-485.		3
69	The multi-ligand binding first family 35 Carbohydrate Binding Module (CBM35) of Clostridium thermocellum targets rhamnolacturonan I. Archives of Biochemistry and Biophysics, 2018, 654, 194-208.	3.0	5
70	Novel insights into the degradation of β -1,3-glucans by the cellulosome of Clostridium thermocellum revealed by structure and function studies of a family 81 glycoside hydrolase. International Journal of Biological Macromolecules, 2018, 117, 890-901.	7.5	26
71	Chitin and chitinase: Role in pathogenicity, allergenicity and health. International Journal of Biological Macromolecules, 2017, 97, 331-338.	7.5	78
72	Optimized endodextranase-epoxy CIM $\hat{\text{A}}^{\circ}$ disk reactor for the continuous production of molecular weight-controlled prebiotic isomalto-oligosaccharides. Process Biochemistry, 2017, 58, 105-113.	3.7	11

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73	Purification and characterization of dextransucrase from <i>Weissella cibaria</i> RBA12 and its application in in vitro synthesis of prebiotic oligosaccharides in mango and pineapple juices. <i>LWT - Food Science and Technology</i> , 2017, 84, 449-456.	5.2	11
74	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
75	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
76	Physicochemical, antioxidant and biocompatible properties of chondroitin sulphate isolated from chicken keel bone for potential biomedical applications. <i>Carbohydrate Polymers</i> , 2017, 159, 11-19.	10.2	29
77	Bacterial adhesins, the pathogenic weapons to trick host defense arsenal. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 763-771.	5.6	35
78	Insights into the immune manipulation mechanisms of pollen allergens by protein domain profiling. <i>Computational Biology and Chemistry</i> , 2017, 70, 31-39.	2.3	5
79	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
80	Characterization of Super Paramagnetic Nanoparticles Coated with a Biocompatible Polymer Produced by Dextransucrase from <i>Weissella cibaria</i> JAG8. <i>Journal of Polymers and the Environment</i> , 2017, 25, 569-577.	5.0	6
81	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
82	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
83	Insights into Structure and Reaction Mechanism of β -Mannanases. <i>Current Protein and Peptide Science</i> , 2017, 19, 34-47.	1.4	14
84	Chondroitin Sulfate (CS) Lyases: Structure, Function and Application in Therapeutics. <i>Current Protein and Peptide Science</i> , 2017, 19, 22-33.	1.4	14
85	Molecular determinants of substrate specificity revealed by the structure of <i>Clostridium thermocellum</i> arabinofuranosidase 43A from glycosyl hydrolase family 43 subfamily 16. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 1281-1289.	2.3	9
86	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
87	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
88	An assessment of the potential of invasive weeds as multiple feedstocks for biofuel production. <i>RSC Advances</i> , 2016, 6, 47151-47163.	3.6	29
89	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
90	Conservation in the mechanism of glucuronoxylan hydrolysis revealed by the structure of glucuronoxylan xylanohydrolase (CtXyn30A) from <i>Clostridium thermocellum</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 1162-1173.	2.3	9

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91	Complexity of the <i>Ruminococcus flavefaciens</i> cellulosome reflects an expansion in glycan recognition. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7136-7141.	7.1	58
92	Optimization of Isomaltooligosaccharide Size Distribution by Acceptor Reaction of <i>Weissella confusa</i> Dextranase and Characterization of Novel α -1,2-Branched Isomaltooligosaccharides. Journal of Agricultural and Food Chemistry, 2016, 64, 3276-3286.	5.2	18
93	Recent advances in pretreatment technologies for efficient hydrolysis of lignocellulosic biomass. Environmental Progress and Sustainable Energy, 2016, 35, 489-511.	2.3	200
94	Enhanced bioethanol production from water hyacinth (<i>Eichhornia crassipes</i>) by statistical optimization of fermentation process parameters using Taguchi orthogonal array design. International Biodeterioration and Biodegradation, 2016, 109, 174-184.	3.9	40
95	Mechanistic investigation in ultrasound induced enhancement of enzymatic hydrolysis of invasive biomass species. Bioresource Technology, 2016, 213, 342-349.	9.6	41
96	Structure modeling and functional analysis of recombinant dextranase from <i>Weissella confusa</i> Cab3 expressed in <i>Lactococcus lactis</i> . Preparative Biochemistry and Biotechnology, 2016, 46, 822-832.	1.9	5
97	A New Member of Family 11 Polysaccharide Lyase, Rhamnogalacturonan Lyase (CtRGLf) from <i>Clostridium thermocellum</i> . Molecular Biotechnology, 2016, 58, 232-240.	2.4	15
98	Enzyme-resistant isomaltooligosaccharides produced from <i>Leuconostoc mesenteroides</i> NRRL B-1426 dextran hydrolysis for functional food application. Biotechnology and Applied Biochemistry, 2016, 63, 581-589.	3.1	7
99	Role of Pectinolytic Enzymes Identified in <i>Clostridium thermocellum</i> Cellulosome. PLoS ONE, 2015, 10, e0116787.	2.5	24
100	Crystallization and preliminary crystallographic studies of a novel noncatalytic carbohydrate-binding module from the <i>Ruminococcus flavefaciens</i> cellulosome. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 45-48.	0.8	1
101	Gentio-oligosaccharides from <i>Leuconostoc mesenteroides</i> NRRL B-1426 dextranase as prebiotics and as a supplement for functional foods with anti-cancer properties. Food and Function, 2015, 6, 604-611.	4.6	36
102	Ultrasound enhanced enzymatic hydrolysis of <i>Parthenium hysterophorus</i> : A mechanistic investigation. Bioresource Technology, 2015, 192, 636-645.	9.6	32
103	The family 6 Carbohydrate Binding Module (CtCBM6) of glucuronoxylanase (CtXynGH30) of <i>Clostridium thermocellum</i> binds decorated and undecorated xylans through cleft A. Archives of Biochemistry and Biophysics, 2015, 575, 8-21.	3.0	10
104	Mechanistic insight into ultrasound induced enhancement of simultaneous saccharification and fermentation of <i>Parthenium hysterophorus</i> for ethanol production. Ultrasonics Sonochemistry, 2015, 26, 249-256.	8.2	37
105	Hyper glucanase, glucan and oligosaccharide producing novel <i>Weissella cibaria</i> RBA12 isolated from Pummelo (<i>Citrus maxima</i>). Annals of Microbiology, 2015, 65, 2301-2310.	2.6	7
106	Probiotics in valorization of innate immunity across various animal models. Journal of Functional Foods, 2015, 14, 549-561.	3.4	50
107	In vitro analysis of dextran from <i>Leuconostoc mesenteroides</i> NRRL B-1426 for functional food application. Bioactive Carbohydrates and Dietary Fibre, 2015, 6, 55-61.	2.7	35
108	Ultrasound enhanced ethanol production from <i>Parthenium hysterophorus</i> : A mechanistic investigation. Bioresource Technology, 2015, 188, 287-294.	9.6	35

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109	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
110	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
111	Applications of Natural Polymer Gum Arabic: A Review. <i>International Journal of Food Properties</i> , 2015, 18, 986-998.	3.0	215
112	Recovery and Purification of Oligosaccharides from Copra Meal by Recombinant Endo- $\hat{1}^2$ -mannanase and Deciphering Molecular Mechanism Involved and Its Role as Potent Therapeutic Agent. <i>Molecular Biotechnology</i> , 2015, 57, 111-127.	2.4	52
113	Simplification and optimization of media ingredients for enhanced production of CMCase by newly isolated <i>Bacillus subtilis</i> NA15. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 533-541.	2.3	5
114	Dextran and Food Application. , 2015, , 735-752.		15
115	Structural Modelling, Substrate Binding and Stability Studies of Endopectate Lyase (PL1B) of Family 1 Polysaccharide Lyase from <i>Clostridium thermocellum</i> . <i>Protein and Peptide Letters</i> , 2015, 22, 557-568.	0.9	5
116	Efficient pretreatment for bioethanol production from water hyacinth (<i>Eichhornia crassipes</i>) involving naturally isolated and recombinant enzymes and its recovery. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 1396-1404.	2.3	6
117	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
118	Therapeutic Spectrum of Nondigestible Oligosaccharides: Overview of Current State and Prospect. <i>Journal of Food Science</i> , 2014, 79, R1491-8.	3.1	27
119	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
120	Crystallization and preliminary X-ray crystallographic analysis of a novel $\hat{1}^4$ - α -L-arabinofuranosidase (<i>CtGH43</i>) from <i>Clostridium thermocellum</i> ATCC 27405. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 616-618.	0.8	3
121	Mannan specific family 35 carbohydrate-binding module (CtCBM35) of <i>Clostridium thermocellum</i> : structure analysis and ligand binding. <i>Biologia (Poland)</i> , 2014, 69, 1271-1282.	1.5	1
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	Optimization of carboxymethylcellulase production from <i>Bacillus amyloliquefaciens</i> SS35. <i>3 Biotech</i> , 2014, 4, 411-424.	2.2	37
124	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
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