

# Ashok Pandey

## List of Publications by Year in descending order

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507  
papers

38,325  
citations

2795

94  
h-index

4535

171  
g-index

528  
all docs

528  
docs citations

528  
times ranked

27292  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biotechnological potential of agro-industrial residues. I: sugarcane bagasse. <i>Bioresource Technology</i> , 2000, 74, 69-80.	4.8	961
2	Micro and macroalgal biomass: A renewable source for bioethanol. <i>Bioresource Technology</i> , 2011, 102, 186-193.	4.8	931
3	Solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2003, 13, 81-84.	1.8	916
4	Biological pretreatment of lignocellulosic biomass – An overview. <i>Bioresource Technology</i> , 2016, 199, 76-82.	4.8	868
5	New developments in solid state fermentation: I-bioprocesses and products. <i>Process Biochemistry</i> , 2000, 35, 1153-1169.	1.8	865
6	Advances in microbial amylases. <i>Biotechnology and Applied Biochemistry</i> , 2000, 31, 135.	1.4	793
7	Bioethanol production from rice straw: An overview. <i>Bioresource Technology</i> , 2010, 101, 4767-4774.	4.8	742
8	Recent advances in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2009, 44, 13-18.	1.8	638
9	Fermentative production of lactic acid from biomass: an overview on process developments and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 524-534.	1.7	499
10	Advancement and comparative profiles in the production technologies using solid-state and submerged fermentation for microbial cellulases. <i>Enzyme and Microbial Technology</i> , 2010, 46, 541-549.	1.6	474
11	Role and significance of beta-glucosidases in the hydrolysis of cellulose for bioethanol production. <i>Bioresource Technology</i> , 2013, 127, 500-507.	4.8	459
12	Cyanobacteria and microalgae: A positive prospect for biofuels. <i>Bioresource Technology</i> , 2011, 102, 10163-10172.	4.8	455
13	Recent process developments in solid-state fermentation. <i>Process Biochemistry</i> , 1992, 27, 109-117.	1.8	434
14	Applications of Microbial Enzymes in Food Industry. <i>Food Technology and Biotechnology</i> , 2018, 56, 16-30.	0.9	430
15	Current developments in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2013, 81, 146-161.	1.8	428
16	Potential carbon dioxide fixation by industrially important microalgae. <i>Bioresource Technology</i> , 2010, 101, 5892-5896.	4.8	420
17	Trends in non-dairy probiotic beverages. <i>Food Research International</i> , 2008, 41, 111-123.	2.9	415
18	Cellulase production using biomass feed stock and its application in lignocellulose saccharification for bio-ethanol production. <i>Renewable Energy</i> , 2009, 34, 421-424.	4.3	411

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19	Oil cakes and their biotechnological applications – A review. <i>Bioresource Technology</i> , 2007, 98, 2000-2009.	4.8	401
20	Biotechnological potential of coffee pulp and coffee husk for bioprocesses. <i>Biochemical Engineering Journal</i> , 2000, 6, 153-162.	1.8	361
21	Biotechnological potential of agro-industrial residues. II: cassava bagasse. <i>Bioresource Technology</i> , 2000, 74, 81-87.	4.8	343
22	Advances in lipase-catalyzed esterification reactions. <i>Biotechnology Advances</i> , 2013, 31, 1846-1859.	6.0	342
23	Pretreatment strategies for enhanced biogas production from lignocellulosic biomass. <i>Bioresource Technology</i> , 2020, 301, 122725.	4.8	323
24	Short duration microwave assisted pretreatment enhances the enzymatic saccharification and fermentable sugar yield from sugarcane bagasse. <i>Renewable Energy</i> , 2012, 37, 109-116.	4.3	318
25	Biosynthesis of silver nanoparticles using aqueous extract from the compactin producing fungal strain. <i>Process Biochemistry</i> , 2009, 44, 939-943.	1.8	314
26	Use of response surface methodology for optimizing process parameters for the production of $\alpha$ -amylase by <i>Aspergillus oryzae</i> . <i>Biochemical Engineering Journal</i> , 2003, 15, 107-115.	1.8	307
27	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , 2020, 716, 137116.	3.9	299
28	Comparative evaluation of neutral protease production by <i>Aspergillus oryzae</i> in submerged and solid-state fermentation. <i>Process Biochemistry</i> , 2005, 40, 2689-2694.	1.8	278
29	Microalgal hydrogen production – A review. <i>Bioresource Technology</i> , 2017, 243, 1194-1206.	4.8	275
30	Carbon-Increasing Catalytic Strategies for Upgrading Biomass into Energy-Intensive Fuels and Chemicals. <i>ACS Catalysis</i> , 2018, 8, 148-187.	5.5	267
31	Production, purification and properties of microbial phytases. <i>Bioresource Technology</i> , 2001, 77, 203-214.	4.8	256
32	Microbial strategies for bio-transforming food waste into resources. <i>Bioresource Technology</i> , 2020, 299, 122580.	4.8	248
33	<i>Candida rugosa</i> lipases: Molecular biology and versatility in biotechnology. , 1998, 14, 1069-1087.		247
34	Direct lactic acid fermentation: Focus on simultaneous saccharification and lactic acid production. <i>Biotechnology Advances</i> , 2009, 27, 145-152.	6.0	232
35	Lignocellulosic ethanol in India: Prospects, challenges and feedstock availability. <i>Bioresource Technology</i> , 2010, 101, 4826-4833.	4.8	220
36	Bioflocculation: An alternative strategy for harvesting of microalgae – An overview. <i>Bioresource Technology</i> , 2017, 242, 227-235.	4.8	214

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37	Comprehensive review on toxicity of persistent organic pollutants from petroleum refinery waste and their degradation by microorganisms. <i>Chemosphere</i> , 2017, 188, 280-291.	4.2	212
38	Response surface methodology for the optimization of alpha amylase production by <i>Bacillus amyloliquefaciens</i> . <i>Bioresource Technology</i> , 2008, 99, 4597-4602.	4.8	211
39	Refining biomass residues for sustainable energy and bio-products: An assessment of technology, its importance, and strategic applications in circular bio-economy. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109876.	8.2	203
40	Recent Developments in Microbial Inulinases: Its Production, Properties, and Industrial Applications. <i>Applied Biochemistry and Biotechnology</i> , 1999, 81, 35-52.	1.4	199
41	Potential of rice straw for bio-refining: An overview. <i>Bioresource Technology</i> , 2016, 215, 29-36.	4.8	199
42	Coconut oil cake—a potential raw material for the production of $\alpha$ -amylase. <i>Bioresource Technology</i> , 2004, 93, 169-174.	4.8	194
43	Thermostable cellulases: Current status and perspectives. <i>Bioresource Technology</i> , 2019, 279, 385-392.	4.8	188
44	Conversion of food and kitchen waste to value-added products. <i>Journal of Environmental Management</i> , 2019, 241, 619-630.	3.8	187
45	New developments in solid-state fermentation. <i>Process Biochemistry</i> , 2000, 35, 1211-1225.	1.8	184
46	Solid-state fermentation for L-lactic acid production from agro wastes using <i>Lactobacillus delbrueckii</i> . <i>Process Biochemistry</i> , 2006, 41, 759-763.	1.8	178
47	Effects of microbial culture and chicken manure biochar on compost maturity and greenhouse gas emissions during chicken manure composting. <i>Journal of Hazardous Materials</i> , 2020, 389, 121908.	6.5	178
48	A critical review of organic manure biorefinery models toward sustainable circular bioeconomy: Technological challenges, advancements, innovations, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 115-131.	8.2	177
49	Solid-state fermentation for the production of <i>Monascus</i> pigments from jackfruit seed. <i>Bioresource Technology</i> , 2007, 98, 1554-1560.	4.8	176
50	Dilute acid pretreatment and enzymatic saccharification of sugarcane tops for bioethanol production. <i>Bioresource Technology</i> , 2011, 102, 10915-10921.	4.8	176
51	Bioconversion of sugarcane crop residue for value added products — An overview. <i>Renewable Energy</i> , 2016, 98, 203-215.	4.3	176
52	Characterization of an exopolysaccharide with potential health-benefit properties from a probiotic <i>Lactobacillus plantarum</i> RJF4. <i>LWT - Food Science and Technology</i> , 2015, 64, 1179-1186.	2.5	175
53	Strategies for design of improved biocatalysts for industrial applications. <i>Bioresource Technology</i> , 2017, 245, 1304-1313.	4.8	175
54	2,4-Di-tert-butyl phenol as the antifungal, antioxidant bioactive purified from a newly isolated <i>Lactococcus</i> sp.. <i>International Journal of Food Microbiology</i> , 2015, 211, 44-50.	2.1	168

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55	Recent Advances in Machine Learning Research for Nanofluid-Based Heat Transfer in Renewable Energy System. <i>Energy &amp; Fuels</i> , 2022, 36, 6626-6658.	2.5	164
56	Solid-state fermentation for the synthesis of citric acid by <i>Aspergillus niger</i> . <i>Bioresource Technology</i> , 2000, 74, 175-178.	4.8	151
57	Crude oil biodegradation aided by biosurfactants from <i>Pseudozyma</i> sp. NII 08165 or its culture broth. <i>Bioresource Technology</i> , 2015, 191, 133-139.	4.8	151
58	Solid state fermentation of food waste mixtures for single cell protein, aroma volatiles and fat production. <i>Food Chemistry</i> , 2014, 145, 710-716.	4.2	148
59	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. <i>Journal of Hazardous Materials</i> , 2021, 409, 124967.	6.5	147
60	Organic solvent adaptation of Gram positive bacteria: Applications and biotechnological potentials. <i>Biotechnology Advances</i> , 2011, 29, 442-452.	6.0	145
61	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. <i>Journal of Cleaner Production</i> , 2020, 263, 121500.	4.6	145
62	Advances in solid-state fermentation for bioconversion of agricultural wastes to value-added products: Opportunities and challenges. <i>Bioresource Technology</i> , 2022, 343, 126065.	4.8	144
63	Production of bio-ethanol from soybean molasses by <i>Saccharomyces cerevisiae</i> at laboratory, pilot and industrial scales. <i>Bioresource Technology</i> , 2008, 99, 8156-8163.	4.8	143
64	Zeolite and zeotype-catalysed transformations of biofuranic compounds. <i>Green Chemistry</i> , 2016, 18, 5701-5735.	4.6	142
65	Biological detoxification of coffee husk by filamentous fungi using a solid state fermentation system. <i>Enzyme and Microbial Technology</i> , 2000, 27, 127-133.	1.6	138
66	Harvesting of microalgal biomass: Efficient method for flocculation through pH modulation. <i>Bioresource Technology</i> , 2016, 213, 216-221.	4.8	131
67	Isolation and characterization of novel plant growth promoting <i>Micrococcus</i> sp NII-0909 and its interaction with cowpea. <i>Plant Physiology and Biochemistry</i> , 2010, 48, 987-992.	2.8	127
68	Extra-cellular l-glutaminase production by <i>Zygosaccharomyces rouxii</i> under solid-state fermentation. <i>Process Biochemistry</i> , 2002, 38, 307-312.	1.8	125
69	Isolation, selection and evaluation of yeasts for use in fermentation of coffee beans by the wet process. <i>International Journal of Food Microbiology</i> , 2014, 188, 60-66.	2.1	124
70	A critical review on various feedstocks as sustainable substrates for biosurfactants production: a way towards cleaner production. <i>Microbial Cell Factories</i> , 2021, 20, 120.	1.9	124
71	Microbial degradation of high impact polystyrene (HIPS), an e-plastic with decabromodiphenyl oxide and antimony trioxide. <i>Journal of Hazardous Materials</i> , 2016, 318, 347-354.	6.5	123
72	Prebiotic Oligosaccharides: Special Focus on Fructooligosaccharides, Its Biosynthesis and Bioactivity. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 613-635.	1.4	122

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73	Enzymes for second generation biofuels: Recent developments and future perspectives. <i>Bioresource Technology Reports</i> , 2019, 5, 317-325.	1.5	122
74	Recent advances in the production of value added chemicals and lipids utilizing biodiesel industry generated crude glycerol as a substrate – Metabolic aspects, challenges and possibilities: An overview. <i>Bioresource Technology</i> , 2017, 239, 507-517.	4.8	121
75	Algal Green Energy – R&D and technological perspectives for biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2946-2969.	8.2	121
76	Bio-ethanol from water hyacinth biomass: An evaluation of enzymatic saccharification strategy. <i>Bioresource Technology</i> , 2010, 101, 925-930.	4.8	119
77	Probiotic Bile Salt Hydrolase: Current Developments and Perspectives. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 166-180.	1.4	118
78	Pentose-rich hydrolysate from acid pretreated rice straw as a carbon source for the production of poly-3-hydroxybutyrate. <i>Biochemical Engineering Journal</i> , 2013, 78, 67-72.	1.8	118
79	Process optimization for antifungal chitinase production by <i>Trichoderma harzianum</i> . <i>Process Biochemistry</i> , 2004, 39, 1583-1590.	1.8	116
80	Characterization and stability of proteases from <i>Penicillium</i> sp. produced by solid-state fermentation. <i>Enzyme and Microbial Technology</i> , 2003, 32, 246-251.	1.6	115
81	Biobutanol production from rice straw by a non acetone producing <i>Clostridium sporogenes</i> BE01. <i>Bioresource Technology</i> , 2013, 145, 182-187.	4.8	115
82	Iron requirement and search for siderophores in lactic acid bacteria. <i>Applied Microbiology and Biotechnology</i> , 1994, 40, 735-739.	1.7	114
83	Improved Cellulase Production by <i>Trichoderma reesei</i> RUT C30 under SSF Through Process Optimization. <i>Applied Biochemistry and Biotechnology</i> , 2007, 142, 60-70.	1.4	114
84	Current perspectives in enzymatic saccharification of lignocellulosic biomass. <i>Biochemical Engineering Journal</i> , 2015, 102, 38-44.	1.8	113
85	Fruity flavour production by <i>Ceratocystis fimbriata</i> grown on coffee husk in solid-state fermentation. <i>Process Biochemistry</i> , 2000, 35, 857-861.	1.8	112
86	Genetic modification: A tool for enhancing beta-glucosidase production for biofuel application. <i>Bioresource Technology</i> , 2017, 245, 1352-1361.	4.8	110
87	Characteristics of hydrogen production from steam gasification of plant-originated lignocellulosic biomass and its prospects in Vietnam. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4394-4425.	3.8	110
88	Tannase production by <i>Lactobacillus</i> sp. ASR-S1 under solid-state fermentation. <i>Process Biochemistry</i> , 2006, 41, 575-580.	1.8	109
89	Physicochemical characterization of alkali pretreated sugarcane tops and optimization of enzymatic saccharification using response surface methodology. <i>Renewable Energy</i> , 2014, 62, 362-368.	4.3	109
90	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022, 802, 149823.	3.9	109

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91	Cellulase Production Under Solid-State Fermentation by <i>Trichoderma reesei</i> RUT C30: Statistical Optimization of Process Parameters. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 122-131.	1.4	108
92	Comparison of phytase production on wheat bran and oilcakes in solid-state fermentation by <i>Mucor racemosus</i> . <i>Bioresource Technology</i> , 2006, 97, 506-511.	4.8	106
93	Effect of dilute acid pretreatment of wild rice grass ( <i>Zizania latifolia</i> ) from Loktak Lake for enzymatic hydrolysis. <i>Bioresource Technology</i> , 2018, 253, 252-255.	4.8	105
94	Optimization of the production of aroma compounds by <i>Kluyveromyces marxianus</i> in solid-state fermentation using factorial design and response surface methodology. <i>Biochemical Engineering Journal</i> , 2000, 6, 33-39.	1.8	103
95	Batch Fermentation Model of Propionic Acid Production by <i>Propionibacterium acidipropionici</i> in Different Carbon Sources. <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 333-341.	1.4	99
96	Production and characterization of poly-3-hydroxybutyrate from crude glycerol by <i>Bacillus sphaericus</i> NII 0838 and improving its thermal properties by blending with other polymers. <i>Brazilian Archives of Biology and Technology</i> , 2011, 54, 783-794.	0.5	99
97	Antioxidant and hepatoprotective potential of endo-polysaccharides from <i>Hericium erinaceus</i> grown on tofu whey. <i>International Journal of Biological Macromolecules</i> , 2012, 51, 1140-1146.	3.6	99
98	Aspects of fermenter design for solid-state fermentations. <i>Process Biochemistry</i> , 1991, 26, 355-361.	1.8	98
99	Microbial production of citric acid. <i>Brazilian Archives of Biology and Technology</i> , 1999, 42, 263-276.	0.5	98
100	Solid state fermentation for the synthesis of inulinase from <i>Staphylococcus</i> sp. and <i>Kluyveromyces marxianus</i> . <i>Process Biochemistry</i> , 1999, 34, 851-855.	1.8	96
101	Metagenome Analysis: a Powerful Tool for Enzyme Bioprospecting. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 636-651.	1.4	96
102	Emerging applications of biochar: Improving pig manure composting and attenuation of heavy metal mobility in mature compost. <i>Journal of Hazardous Materials</i> , 2020, 389, 122116.	6.5	96
103	Bioremediation of oily sludge polluted soil employing a novel strain of <i>Pseudomonas aeruginosa</i> and phytotoxicity of petroleum hydrocarbons for seed germination. <i>Science of the Total Environment</i> , 2020, 737, 139766.	3.9	94
104	Agricultural waste biorefinery development towards circular bioeconomy. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112122.	8.2	94
105	Mixed substrate fermentation for the production of phytase by <i>Rhizopus</i> spp. using oilcakes as substrates. <i>Process Biochemistry</i> , 2005, 40, 1749-1754.	1.8	93
106	Critical Review on Biochar-Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900149.	2.7	93
107	Organic solid waste biorefinery: Sustainable strategy for emerging circular bioeconomy in China. <i>Industrial Crops and Products</i> , 2020, 153, 112568.	2.5	93
108	Production of <i>Flammulina velutipes</i> on coffee husk and coffee spent-ground. <i>Brazilian Archives of Biology and Technology</i> , 2001, 44, 205-212.	0.5	92

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109	Assessing the impact of industrial waste on environment and mitigation strategies: A comprehensive review. <i>Journal of Hazardous Materials</i> , 2020, 398, 123019.	6.5	92
110	Formic Acid as a Potential Pretreatment Agent for the Conversion of Sugarcane Bagasse to Bioethanol. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 2313-2323.	1.4	90
111	Cellulase production through solid-state tray fermentation, and its use for bioethanol from sorghum stover. <i>Bioresource Technology</i> , 2017, 242, 265-271.	4.8	90
112	Biotechnological potential of yeasts in functional food industry. <i>Trends in Food Science and Technology</i> , 2019, 83, 129-137.	7.8	90
113	Development of a novel sequential pretreatment strategy for the production of bioethanol from sugarcane trash. <i>Bioresource Technology</i> , 2016, 199, 202-210.	4.8	88
114	Heterogeneity of zeolite combined with biochar properties as a function of sewage sludge composting and production of nutrient-rich compost. <i>Waste Management</i> , 2017, 68, 760-773.	3.7	88
115	Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating <i>Î<sup>2</sup>-proteobacterium Pandoraea sp.</i> <i>ISTKB. Biotechnology for Biofuels</i> , 2018, 11, 154.	6.2	88
116	Fermentative production of gellan using <i>Sphingomonas paucimobilis</i> . <i>Process Biochemistry</i> , 2003, 38, 1513-1519.	1.8	87
117	Biopigments from <i>Monascus</i> : strains selection, citrinin production and color stability. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 885-894.	0.5	86
118	Isolation and characterization of plant growth promoting bacteria from non-rhizospheric soil and their effect on cowpea ( <i>Vigna unguiculata</i> (L.) Walp.) seedling growth. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1233-1240.	1.7	86
119	High temperature pretreatment and hydrolysis of cotton stalk for producing sugars for bioethanol production. <i>Fuel</i> , 2012, 92, 340-345.	3.4	86
120	An evaluation of dilute acid and ammonia fiber explosion pretreatment for cellulosic ethanol production. <i>Bioresource Technology</i> , 2016, 199, 13-20.	4.8	86
121	Metabolic engineering approaches for lactic acid production. <i>Process Biochemistry</i> , 2006, 41, 991-1000.	1.8	85
122	Recent developments in microbial oils production: a possible alternative to vegetable oils for biodiesel without competition with human food?. <i>Brazilian Archives of Biology and Technology</i> , 2012, 55, 29-46.	0.5	84
123	Molecular improvements in microbial $\alpha$ -amylases for enhanced stability and catalytic efficiency. <i>Bioresource Technology</i> , 2017, 245, 1740-1748.	4.8	84
124	Biological valorization of pure and crude glycerol into 1,3-propanediol using a novel isolate <i>Lactobacillus brevis</i> N1E9.3.3. <i>Bioresource Technology</i> , 2016, 213, 222-230.	4.8	83
125	Rapid degradation of the organophosphate pesticide "Chlorpyrifos by a novel strain of <i>Pseudomonas nitroreducens</i> AR-3. <i>Bioresource Technology</i> , 2019, 292, 122025.	4.8	83
126	Extracellular chitinase production by <i>Trichoderma harzianum</i> in submerged fermentation. <i>Journal of Basic Microbiology</i> , 2004, 44, 49-58.	1.8	81



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127	Probiotic fermented foods for health benefits. <i>Engineering in Life Sciences</i> , 2012, 12, 377-390.	2.0	81
128	Polyhydroxybutyrate production using agro-industrial residue as substrate by <i>Bacillus sphaericus</i> NCIM 5149. <i>Brazilian Archives of Biology and Technology</i> , 2009, 52, 17-23.	0.5	80
129	Characterization of laccase isoforms produced by <i>Pleurotus ostreatus</i> in solid state fermentation of sugarcane bagasse. <i>Bioresource Technology</i> , 2012, 114, 735-739.	4.8	80
130	Studies on structural and physical characteristics of a novel exopolysaccharide from <i>Pseudozyma</i> sp. NII 08165. <i>International Journal of Biological Macromolecules</i> , 2013, 59, 84-89.	3.6	80
131	Production of Phytase by <i>Mucor racemosus</i> in Solid-State Fermentation. <i>Biotechnology Progress</i> , 2003, 19, 312-319.	1.3	79
132	Nanocellulose-based products for sustainable applications-recent trends and possibilities. <i>Reviews in Environmental Science and Biotechnology</i> , 2020, 19, 779-806.	3.9	79
133	Scale-up strategies for packed-bed bioreactors for solid-state fermentation. <i>Process Biochemistry</i> , 1999, 35, 167-178.	1.8	78
134	Organosolvent pretreatment and enzymatic hydrolysis of rice straw for the production of bioethanol. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 473-483.	1.7	77
135	Bioethanol production from dilute acid pretreated Indian bamboo variety ( <i>Dendrocalamus</i> sp.) by separate hydrolysis and fermentation. <i>Industrial Crops and Products</i> , 2014, 52, 169-176.	2.5	77
136	Techno-economics and life-cycle assessment of biological and thermochemical treatment of bio-waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110837.	8.2	77
137	Enzymatic synthesis of banana flavour (isoamyl acetate) by <i>Bacillus licheniformis</i> S-86 esterase. <i>Food Research International</i> , 2009, 42, 454-460.	2.9	76
138	Novel enzymatic processes applied to the food industry. <i>Current Opinion in Food Science</i> , 2016, 7, 64-72.	4.1	76
139	Solid-State Fermentation for Production of Phytase by <i>Rhizopus oligosporus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2002, 102-103, 251-260.	1.4	75
140	Effect of stress on growth, pigment production and morphology of <i>Monascus</i> sp. in solid cultures. <i>Journal of Basic Microbiology</i> , 2007, 47, 118-126.	1.8	75
141	Nanocellulose as green material for remediation of hazardous heavy metal contaminants. <i>Journal of Hazardous Materials</i> , 2022, 424, 127516.	6.5	75
142	Microbial production of extra-cellular phytase using polystyrene as inert solid support. <i>Bioresource Technology</i> , 2002, 83, 229-233.	4.8	74
143	Alpha amylase from a fungal culture grown on oil cakes and its properties. <i>Brazilian Archives of Biology and Technology</i> , 2004, 47, 309-317.	0.5	74
144	Purification and characterisation of an acidic and antifungal chitinase produced by a <i>Streptomyces</i> sp.. <i>Bioresource Technology</i> , 2015, 188, 195-201.	4.8	72

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145	Thermostable Phytase Production by <i>Thermoascus aurantiacus</i> in Submerged Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2004, 118, 205-214.	1.4	71
146	Bioremediated techniques for remediation of metal pollutants using metagenomics approaches: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105684.	3.3	71
147	Glucoamylase Research: An Overview. <i>Starch/Staerke</i> , 1995, 47, 439-445.	1.1	70
148	Sustainable and eco-friendly strategies for shrimp shell valorization. <i>Environmental Pollution</i> , 2020, 267, 115656.	3.7	70
149	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2001, 17, 767-771.	1.7	68
150	Production and partial purification of $\alpha$ -amylase from a novel isolate <i>Streptomyces gulbargensis</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 189-194.	1.4	68
151	A critical review on the development stage of biorefinery systems towards the management of apple processing-derived waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110972.	8.2	68
152	Simultaneous Saccharification and Fermentation of Cassava Bagasse for L-(+)-Lactic Acid Production Using <i>Lactobacilli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2006, 134, 263-272.	1.4	67
153	Processing of municipal solid waste resources for a circular economy in China: An overview. <i>Fuel</i> , 2022, 317, 123478.	3.4	67
154	Organic wastes bioremediation and its changing prospects. <i>Science of the Total Environment</i> , 2022, 824, 153889.	3.9	67
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