

Ashok Pandey

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

480
papers

26,660
citations

83
h-index

147
g-index

515
ext. papers

31,624
ext. citations

6.8
avg, IF

7.68
L-index

#	Paper	IF	Citations
480	Solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2003 , 13, 81-84	4.2	804
479	Biotechnological potential of agro-industrial residues. I: sugarcane bagasse. <i>Bioresource Technology</i> , 2000 , 74, 69-80	11	797
478	Micro and macroalgal biomass: a renewable source for bioethanol. <i>Bioresource Technology</i> , 2011 , 102, 186-93	11	796
477	New developments in solid state fermentation: I-bioprocesses and products. <i>Process Biochemistry</i> , 2000 , 35, 1153-1169	4.8	729
476	Biological pretreatment of lignocellulosic biomass--An overview. <i>Bioresource Technology</i> , 2016 , 199, 76-82		672
475	Bioethanol production from rice straw: An overview. <i>Bioresource Technology</i> , 2010 , 101, 4767-74	11	624
474	Recent advances in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2009 , 44, 13-18	4.2	533
473	Fermentative production of lactic acid from biomass: an overview on process developments and future perspectives. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 524-34	5.7	430
472	Cyanobacteria and microalgae: a positive prospect for biofuels. <i>Bioresource Technology</i> , 2011 , 102, 10163-72		396
471	Recent process developments in solid-state fermentation. <i>Process Biochemistry</i> , 1992 , 27, 109-117	4.8	379
470	Role and significance of beta-glucosidases in the hydrolysis of cellulose for bioethanol production. <i>Bioresource Technology</i> , 2013 , 127, 500-7	11	376
469	Potential carbon dioxide fixation by industrially important microalgae. <i>Bioresource Technology</i> , 2010 , 101, 5892-6	11	364
468	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	3.8	363
467	Cellulase production using biomass feed stock and its application in lignocellulose saccharification for bio-ethanol production. <i>Renewable Energy</i> , 2009 , 34, 421-424	8.1	354
466	Current developments in solid-state fermentation. <i>Biochemical Engineering Journal</i> , 2013 , 81, 146-161	4.2	341
465	Trends in non-dairy probiotic beverages. <i>Food Research International</i> , 2008 , 41, 111-123	7	337
464	Oil cakes and their biotechnological applications--a review. <i>Bioresource Technology</i> , 2007 , 98, 2000-9	11	329

463	Biotechnological potential of coffee pulp and coffee husk for bioprocesses. <i>Biochemical Engineering Journal</i> , 2000 , 6, 153-162	4.2	308
462	Biotechnological potential of agro-industrial residues. II: cassava bagasse. <i>Bioresource Technology</i> , 2000 , 74, 81-87	11	290
461	Biosynthesis of silver nanoparticles using aqueous extract from the compactin producing fungal strain. <i>Process Biochemistry</i> , 2009 , 44, 939-943	4.8	270
460	Advances in lipase-catalyzed esterification reactions. <i>Biotechnology Advances</i> , 2013 , 31, 1846-59	17.8	263
459	Short duration microwave assisted pretreatment enhances the enzymatic saccharification and fermentable sugar yield from sugarcane bagasse. <i>Renewable Energy</i> , 2012 , 37, 109-116	8.1	259
458	Applications of Microbial Enzymes in Food Industry. <i>Food Technology and Biotechnology</i> , 2018 , 56, 16-30	2.1	258
457	Production, purification and properties of microbial phytases. <i>Bioresource Technology</i> , 2001 , 77, 203-14	11	220
456	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	4.8	215
455	Direct lactic acid fermentation: focus on simultaneous saccharification and lactic acid production. <i>Biotechnology Advances</i> , 2009 , 27, 145-52	17.8	211
454	Microalgal hydrogen production - A review. <i>Bioresource Technology</i> , 2017 , 243, 1194-1206	11	195
453	Lignocellulosic ethanol in India: Prospects, challenges and feedstock availability. <i>Bioresource Technology</i> , 2010 , 101, 4826-33	11	189
452	Carbon-Increasing Catalytic Strategies for Upgrading Biomass into Energy-Intensive Fuels and Chemicals. <i>ACS Catalysis</i> , 2018 , 8, 148-187	13.1	188
451	Response surface methodology for the optimization of alpha amylase production by <i>Bacillus amyloliquefaciens</i> . <i>Bioresource Technology</i> , 2008 , 99, 4597-602	11	182
450	Recent developments in microbial inulinases. Its production, properties, and industrial applications. <i>Applied Biochemistry and Biotechnology</i> , 1999 , 81, 35-52	3.2	178
449	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	10.2	168
448	Pretreatment strategies for enhanced biogas production from lignocellulosic biomass. <i>Bioresource Technology</i> , 2020 , 301, 122725	11	167
447	Coconut oil cake--a potential raw material for the production of alpha-amylase. <i>Bioresource Technology</i> , 2004 , 93, 169-74	11	165
446	Bioflocculation: An alternative strategy for harvesting of microalgae - An overview. <i>Bioresource Technology</i> , 2017 , 242, 227-235	11	158

445	New developments in solid-state fermentation. <i>Process Biochemistry</i> , 2000 , 35, 1211-1225	4.8	154
444	Comprehensive review on toxicity of persistent organic pollutants from petroleum refinery waste and their degradation by microorganisms. <i>Chemosphere</i> , 2017 , 188, 280-291	8.4	151
443	Dilute acid pretreatment and enzymatic saccharification of sugarcane tops for bioethanol production. <i>Bioresource Technology</i> , 2011 , 102, 10915-21	11	151
442	Potential of rice straw for bio-refining: An overview. <i>Bioresource Technology</i> , 2016 , 215, 29-36	11	150
441	Solid-state fermentation for l-lactic acid production from agro wastes using <i>Lactobacillus delbrueckii</i> . <i>Process Biochemistry</i> , 2006 , 41, 759-763	4.8	149
440	Strategies for design of improved biocatalysts for industrial applications. <i>Bioresource Technology</i> , 2017 , 245, 1304-1313	11	135
439	Solid-state fermentation for the production of <i>Monascus</i> pigments from jackfruit seed. <i>Bioresource Technology</i> , 2007 , 98, 1554-60	11	135
438	Bioconversion of sugarcane crop residue for value added products [An overview]. <i>Renewable Energy</i> , 2016 , 98, 203-215	8.1	132
437	Microbial strategies for bio-transforming food waste into resources. <i>Bioresource Technology</i> , 2020 , 299, 122580	11	130
436	Solid-state fermentation for the synthesis of citric acid by <i>Aspergillus niger</i> . <i>Bioresource Technology</i> , 2000 , 74, 175-178	11	125
435	A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. <i>Bioengineered</i> , 2021 , 12, 70-87	5.7	123
434	Production of bio-ethanol from soybean molasses by <i>Saccharomyces cerevisiae</i> at laboratory, pilot and industrial scales. <i>Bioresource Technology</i> , 2008 , 99, 8156-63	11	121
433	Organic solvent adaptation of Gram positive bacteria: applications and biotechnological potentials. <i>Biotechnology Advances</i> , 2011 , 29, 442-52	17.8	120
432	Crude oil biodegradation aided by biosurfactants from <i>Pseudozyma</i> sp. NII 08165 or its culture broth. <i>Bioresource Technology</i> , 2015 , 191, 133-9	11	113
431	Zeolite and zeotype-catalysed transformations of biofuranic compounds. <i>Green Chemistry</i> , 2016 , 18, 5701-5735	10	113
430	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	5.4	110
429	Solid state fermentation of food waste mixtures for single cell protein, aroma volatiles and fat production. <i>Food Chemistry</i> , 2014 , 145, 710-6	8.5	108
428	Biological detoxification of coffee husk by filamentous fungi using a solid state fermentation system. <i>Enzyme and Microbial Technology</i> , 2000 , 27, 127-133	3.8	108

427	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	16.2	105
426	Conversion of food and kitchen waste to value-added products. <i>Journal of Environmental Management</i> , 2019 , 241, 619-630	7.9	105
425	Bio-ethanol from water hyacinth biomass: an evaluation of enzymatic saccharification strategy. <i>Bioresource Technology</i> , 2010 , 101, 925-30	11	105
424	Thermostable cellulases: Current status and perspectives. <i>Bioresource Technology</i> , 2019 , 279, 385-392	11	103
423	Extra-cellular l-glutaminase production by <i>Zygosaccharomyces rouxii</i> under solid-state fermentation. <i>Process Biochemistry</i> , 2002 , 38, 307-312	4.8	101
422	Harvesting of microalgal biomass: Efficient method for flocculation through pH modulation. <i>Bioresource Technology</i> , 2016 , 213, 216-221	11	99
421	Current perspectives in enzymatic saccharification of lignocellulosic biomass. <i>Biochemical Engineering Journal</i> , 2015 , 102, 38-44	4.2	98
420	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	16.2	98
419	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	5.8	97
418	Probiotic bile salt hydrolase: current developments and perspectives. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 166-80	3.2	97
417	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	3.8	97
416	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	3.2	96
415	Biobutanol production from rice straw by a non acetone producing <i>Clostridium sporogenes</i> BE01. <i>Bioresource Technology</i> , 2013 , 145, 182-7	11	95
414	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	4.2	94
413	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, 987-92	5.4	93
412	Tannase production by <i>Lactobacillus</i> sp. ASR-S1 under solid-state fermentation. <i>Process Biochemistry</i> , 2006 , 41, 575-580	4.8	93
411	Comparison of phytase production on wheat bran and oilcakes in solid-state fermentation by <i>Mucor racemosus</i> . <i>Bioresource Technology</i> , 2006 , 97, 506-11	11	92
410	Fruity flavour production by <i>Ceratocystis fimbriata</i> grown on coffee husk in solid-state fermentation. <i>Process Biochemistry</i> , 2000 , 35, 857-861	4.8	92

409	Process optimization for antifungal chitinase production by <i>Trichoderma harzianum</i> . <i>Process Biochemistry</i> , 2004 , 39, 1583-1590	4.8	91
408	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	11	90
407	Batch fermentation model of propionic acid production by <i>Propionibacterium acidipropionici</i> in different carbon sources. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 151, 333-41	3.2	89
406	Water hyacinth a potential source for value addition: An overview. <i>Bioresource Technology</i> , 2017 , 230, 152-162	11	88
405	Aspects of fermenter design for solid-state fermentations. <i>Process Biochemistry</i> , 1991 , 26, 355-361	4.8	88
404	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, 122-31	3.2	87
403	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	4.2	87
402	Physicochemical characterization of alkali pretreated sugarcane tops and optimization of enzymatic saccharification using response surface methodology. <i>Renewable Energy</i> , 2014 , 62, 362-368	8.1	86
401	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	4.8	86
400	Prebiotic Oligosaccharides: Special Focus on Fructooligosaccharides, Its Biosynthesis and Bioactivity. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 613-635	3.2	85
399	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, 60-6	5.8	85
398	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	4.8	84
397	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	12.8	83
396	Antioxidant and hepatoprotective potential of endo-polysaccharides from <i>Herichium erinaceus</i> grown on tofu whey. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 1140-6	7.9	83
395	Iron requirement and search for siderophores in lactic acid bacteria. <i>Applied Microbiology and Biotechnology</i> , 1994 , 40, 735-739	5.7	83
394	Algal Green Energy [R&D and technological perspectives for biodiesel production. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 2946-2969	16.2	82
393	Genetic modification: A tool for enhancing beta-glucosidase production for biofuel application. <i>Bioresource Technology</i> , 2017 , 245, 1352-1361	11	77
392	Formic acid as a potential pretreatment agent for the conversion of sugarcane bagasse to bioethanol. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 2313-23	3.2	77

391	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	12.8	76
390	Thermostable xylanases from thermophilic fungi and bacteria: Current perspective. <i>Bioresource Technology</i> , 2019 , 277, 195-203	11	75
389	High temperature pretreatment and hydrolysis of cotton stalk for producing sugars for bioethanol production. <i>Fuel</i> , 2012 , 92, 340-345	7.1	74
388	Metabolic engineering approaches for lactic acid production. <i>Process Biochemistry</i> , 2006 , 41, 991-1000	4.8	73
387	Prevalence and hazardous impact of pharmaceutical and personal care products and antibiotics in environment: A review on emerging contaminants. <i>Environmental Research</i> , 2021 , 194, 110664	7.9	73
386	Scale-up strategies for packed-bed bioreactors for solid-state fermentation. <i>Process Biochemistry</i> , 1999 , 35, 167-178	4.8	72
385	Production of phytase by <i>Mucor racemosus</i> in solid-state fermentation. <i>Biotechnology Progress</i> , 2003 , 19, 312-9	2.8	71
384	Biopigments from <i>Monascus</i> : strains selection, citrinin production and color stability. <i>Brazilian Archives of Biology and Technology</i> , 2005 , 48, 885-894	1.8	71
383	Comprehensive review on the application of inorganic and organic nanoparticles for enhancing biohydrogen production. <i>Fuel</i> , 2020 , 270, 117453	7.1	70
382	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	11	70
381	Characterization of laccase isoforms produced by <i>Pleurotus ostreatus</i> in solid state fermentation of sugarcane bagasse. <i>Bioresource Technology</i> , 2012 , 114, 735-9	11	70
380	Fermentative production of gellan using <i>Sphingomonas paucimobilis</i> . <i>Process Biochemistry</i> , 2003 , 38, 1513-1519	4.8	70
379	Development of a novel sequential pretreatment strategy for the production of bioethanol from sugarcane trash. <i>Bioresource Technology</i> , 2016 , 199, 202-210	11	69
378	Cellulase production through solid-state tray fermentation, and its use for bioethanol from sorghum stover. <i>Bioresource Technology</i> , 2017 , 242, 265-271	11	69
377	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, 1233-40	4.4	69
376	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	1.8	68
375	An evaluation of dilute acid and ammonia fiber explosion pretreatment for cellulosic ethanol production. <i>Bioresource Technology</i> , 2016 , 199, 13-20	11	67
374	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. <i>Journal of Cleaner Production</i> , 2020 , 263, 121500	10.3	67

373	Microbial production of extra-cellular phytase using polystyrene as inert solid support. <i>Bioresource Technology</i> , 2002 , 83, 229-33	11	66
372	Enzymatic synthesis of banana flavour (isoamyl acetate) by <i>Bacillus licheniformis</i> S-86 esterase. <i>Food Research International</i> , 2009 , 42, 454-460	7	65
371	Extracellular chitinase production by <i>Trichoderma harzianum</i> in submerged fermentation. <i>Journal of Basic Microbiology</i> , 2004 , 44, 49-58	2.7	65
370	Solid-state fermentation for production of phytase by <i>Rhizopus oligosporus</i> . <i>Applied Biochemistry and Biotechnology</i> , 2002 , 102-103, 251-60	3.2	65
369	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	11	64
368	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	5.9	64
367	Metagenome Analysis: a Powerful Tool for Enzyme Bioprospecting. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 636-651	3.2	64
366	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, 118-26	2.7	64
365	Organosolvent pretreatment and enzymatic hydrolysis of rice straw for the production of bioethanol. <i>World Journal of Microbiology and Biotechnology</i> , 2012 , 28, 473-83	4.4	62
364	Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating <i>Epiproteobacterium</i> sp. ISTKB. <i>Biotechnology for Biofuels</i> , 2018 , 11, 154	7.8	61
363	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	8.6	60
362	Thermostable phytase production by <i>Thermoascus aurantiacus</i> in submerged fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 118, 205-14	3.2	60
361	Glucoamylase Research: An Overview. <i>Starch/Staerke</i> , 1995 , 47, 439-445	2.3	60
360	Molecular improvements in microbial α -amylases for enhanced stability and catalytic efficiency. <i>Bioresource Technology</i> , 2017 , 245, 1740-1748	11	59
359	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	1.8	59
358	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, 84-9	7.9	57
357	Aroma compounds produced by <i>Kluyveromyces marxianus</i> in solid state fermentation on a packed bed column bioreactor. <i>World Journal of Microbiology and Biotechnology</i> , 2001 , 17, 767-771	4.4	57
356	Probiotic fermented foods for health benefits. <i>Engineering in Life Sciences</i> , 2012 , 12, 377-390	3.4	56

355	Ethanol production in solid substrate fermentation using thermotolerant yeast. <i>Process Biochemistry</i> , 1999 , 34, 115-119	4.8	56
354	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	12.8	56
353	Novel enzymatic processes applied to the food industry. <i>Current Opinion in Food Science</i> , 2016 , 7, 64-72	9.8	55
352	Simultaneous saccharification and fermentation of cassava bagasse for L-(+)-lactic Acid production using Lactobacilli. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 134, 263-72	3.2	55
351	Solid state fermentation for L-glutamic acid production using <i>Brevibacterium</i> sp.. <i>Biotechnology Letters</i> , 1996 , 18, 199-204	3	55
350	Application of the biorefinery concept to produce L-lactic acid from the soybean vinasse at laboratory and pilot scale. <i>Bioresource Technology</i> , 2011 , 102, 1765-72	11	54
349	Biosynthesis of glucoamylase from <i>Aspergillus niger</i> by solid-state fermentation using tea waste as the basis of a solid substrate. <i>Bioresource Technology</i> , 1998 , 65, 83-85	11	54
348	Purification and characterisation of an acidic and antifungal chitinase produced by a <i>Streptomyces</i> sp. <i>Bioresource Technology</i> , 2015 , 188, 195-201	11	53
347	Studies on biosurfactants from <i>Pseudozyma</i> sp. NII 08165 and their potential application as laundry detergent additives. <i>Biochemical Engineering Journal</i> , 2013 , 78, 85-92	4.2	53
346	Computational fluid dynamics modeling of gas dispersion in multi impeller bioreactor. <i>Journal of Bioscience and Bioengineering</i> , 2010 , 109, 588-97	3.3	53
345	Biotechnological potential of yeasts in functional food industry. <i>Trends in Food Science and Technology</i> , 2019 , 83, 129-137	15.3	53
344	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	10.2	52
343	Statistical optimization of simultaneous saccharification and l(+)-lactic acid fermentation from cassava bagasse using mixed culture of lactobacilli by response surface methodology. <i>Biochemical Engineering Journal</i> , 2007 , 36, 262-267	4.2	52
342	Purification, characterization and some studies on secondary structure of tannase from <i>Aspergillus awamori</i> nakazawa. <i>Process Biochemistry</i> , 2005 , 40, 3251-3254	4.8	52
341	Highly glucose tolerant α -glucosidase from <i>Aspergillus unguis</i> : NII 08123 for enhanced hydrolysis of biomass. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013 , 40, 967-75	4.2	51
340	Bioethanol production from bamboo (<i>Dendrocalamus</i> sp.) process waste. <i>Biomass and Bioenergy</i> , 2013 , 59, 142-150	5.3	51
339	Optimization of liquid media for lipase production by <i>Candida rugosa</i> . <i>Bioresource Technology</i> , 1996 , 55, 167-170	11	51
338	Effect of particle size of substrate of enzyme production in solid-state fermentation. <i>Bioresource Technology</i> , 1991 , 37, 169-172	11	51

337	Organic solid waste biorefinery: Sustainable strategy for emerging circular bioeconomy in China. <i>Industrial Crops and Products</i> , 2020 , 153, 112568	5.9	51
336	Energy requirement for alkali assisted microwave and high pressure reactor pretreatments of cotton plant residue and its hydrolysis for fermentable sugar production for biofuel application. <i>Bioresource Technology</i> , 2012 , 112, 300-7	11	49
335	Effect of light on growth, pigment production and culture morphology of <i>Monascus purpureus</i> in solid-state fermentation. <i>World Journal of Microbiology and Biotechnology</i> , 2008 , 24, 2671-2675	4.4	49
334	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	12.8	48
333	Biocatalytic strategies for the production of high fructose syrup from inulin. <i>Bioresource Technology</i> , 2018 , 260, 395-403	11	48
332	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, 189-94	4.2	48
331	Experimental design to enhance the production of l-(+)-lactic acid from steam-exploded wood hydrolysate using <i>Rhizopus oryzae</i> in a mixed-acid fermentation. <i>Process Biochemistry</i> , 1999 , 34, 949-955	4.8	48
330	Fungal biosynthesis of endochitinase and chitobiase in solid state fermentation and their application for the production of N-acetyl-D-glucosamine from colloidal chitin. <i>Bioresource Technology</i> , 2007 , 98, 2742-8	11	46
329	L-(+)-lactic acid production using <i>Lactobacillus casei</i> in solid-state fermentation. <i>Biotechnology Letters</i> , 2005 , 27, 1685-8	3	46
328	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	6.4	46
327	Hydrolysis of pretreated rice straw by an enzyme cocktail comprising acidic xylanase from <i>Aspergillus</i> sp. for bioethanol production. <i>Renewable Energy</i> , 2016 , 98, 9-15	8.1	46
326	Application of a new xylanase activity from XR44A in brewer's spent grain saccharification. <i>Journal of Chemical Technology and Biotechnology</i> , 2015 , 90, 573-581	3.5	44
325	Critical Review on Biochar-Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. <i>Advanced Sustainable Systems</i> , 2020 , 4, 1900149	5.9	44
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