Ashok Pandey

List of Publications by Citations

508 papers	27,777 citations	84 h-index	151 g-index
528 ext. papers	32,302 ext. citations	6.5 avg, IF	7.67 L-index

#	Paper	IF	Citations
508	Solid-state fermentation. *Biochemical Engineering Journal*, **2003**, 13, 81-84	4.2	804
507	Biotechnological potential of agro-industrial residues. I: sugarcane bagasse. *Bioresource Technology* , **2000**, 74, 69-80	11	797
506	Micro and macroalgal biomass: a renewable source for bioethanol. *Bioresource Technology*, **2011**, 102, 186-93	11	796
505	New developments in solid state fermentation: I-bioprocesses and products. *Process Biochemistry*, **2000**, 35, 1153-1169	4.8	729
504	Biological pretreatment of lignocellulosic biomass--An overview. *Bioresource Technology*, **2016**, 199, 76-82	11	672
503	Bioethanol production from rice straw: An overview. *Bioresource Technology*, **2010**, 101, 4767-74	11	624
502	Advances in microbial amylases. *Biotechnology and Applied Biochemistry*, **2000**, 31, 135-52	2.8	612
501	Recent advances in solid-state fermentation. *Biochemical Engineering Journal*, **2009**, 44, 13-18	4.2	533
500	Fermentative production of lactic acid from biomass: an overview on process developments and future perspectives. *Applied Microbiology and Biotechnology*, **2007**, 74, 524-34	5.7	430
499	Cyanobacteria and microalgae: a positive prospect for biofuels. *Bioresource Technology*, **2011**, 102, 10163-72	11	396
498	Recent process developments in solid-state fermentation. *Process Biochemistry*, **1992**, 27, 109-117	4.8	379
497	Role and significance of beta-glucosidases in the hydrolysis of cellulose for bioethanol production. *Bioresource Technology*, **2013**, 127, 500-7	11	376
496	Potential carbon dioxide fixation by industrially important microalgae. *Bioresource Technology*, **2010**, 101, 5892-6	11	364
495	Advancement and comparative profiles in the production technologies using solid-state and submerged fermentation for microbial cellulases. *Enzyme and Microbial Technology*, **2010**, 46, 541-549	3.8	363
494	Cellulase production using biomass feed stock and its application in lignocellulose saccharification for bio-ethanol production. *Renewable Energy*, **2009**, 34, 421-424	8.1	354
493	Current developments in solid-state fermentation. *Biochemical Engineering Journal*, **2013**, 81, 146-161	4.2	341
492	Trends in non-dairy probiotic beverages. *Food Research International*, **2008**, 41, 111-123	7	337

491	Oil cakes and their biotechnological applications--a review. *Bioresource Technology*, **2007**, 98, 2000-9	11	329
490	Biotechnological potential of coffee pulp and coffee husk for bioprocesses. *Biochemical Engineering Journal*, **2000**, 6, 153-162	4.2	308
489	Biotechnological potential of agro-industrial residues. II: cassava bagasse. *Bioresource Technology*, **2000**, 74, 81-87	11	290
488	Biosynthesis of silver nanoparticles using aqueous extract from the compactin producing fungal strain. *Process Biochemistry*, **2009**, 44, 939-943	4.8	270
487	Use of response surface methodology for optimizing process parameters for the production of α-amylase by Aspergillus oryzae. *Biochemical Engineering Journal*, **2003**, 15, 107-115	4.2	266
486	Advances in lipase-catalyzed esterification reactions. *Biotechnology Advances*, **2013**, 31, 1846-59	17.8	263
485	Short duration microwave assisted pretreatment enhances the enzymatic saccharification and fermentable sugar yield from sugarcane bagasse. *Renewable Energy*, **2012**, 37, 109-116	8.1	259
484	Applications of Microbial Enzymes in Food Industry. *Food Technology and Biotechnology*, **2018**, 56, 16-30	2.1	258
483	Production, purification and properties of microbial phytases. *Bioresource Technology*, **2001**, 77, 203-14	11	220
482	Comparative evaluation of neutral protease production by Aspergillus oryzae in submerged and solid-state fermentation. *Process Biochemistry*, **2005**, 40, 2689-2694	4.8	215
481	Direct lactic acid fermentation: focus on simultaneous saccharification and lactic acid production. *Biotechnology Advances*, **2009**, 27, 145-52	17.8	211
480	Candida rugosa lipases: molecular biology and versatility in biotechnology. *Yeast*, **1998**, 14, 1069-87	3.4	209
479	Microalgal hydrogen production - A review. *Bioresource Technology*, **2017**, 243, 1194-1206	11	195
478	Lignocellulosic ethanol in India: Prospects, challenges and feedstock availability. *Bioresource Technology*, **2010**, 101, 4826-33	11	189
477	Carbon-Increasing Catalytic Strategies for Upgrading Biomass into Energy-Intensive Fuels and Chemicals. *ACS Catalysis*, **2018**, 8, 148-187	13.1	188
476	Response surface methodology for the optimization of alpha amylase production by Bacillus amyloliquefaciens. *Bioresource Technology*, **2008**, 99, 4597-602	11	182
475	Recent developments in microbial inulinases. Its production, properties, and industrial applications. *Applied Biochemistry and Biotechnology*, **1999**, 81, 35-52	3.2	178
474	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. *Science of the Total Environment*, **2020**, 716, 137116	10.2	168

473	Pretreatment strategies for enhanced biogas production from lignocellulosic biomass. *Bioresource Technology*, **2020**, 301, 122725	11	167
472	Coconut oil cake--a potential raw material for the production of alpha-amylase. *Bioresource Technology*, **2004**, 93, 169-74	11	165
471	Bioflocculation: An alternative strategy for harvesting of microalgae - An overview. *Bioresource Technology*, **2017**, 242, 227-235	11	158
470	New developments in solid-state fermentation. *Process Biochemistry*, **2000**, 35, 1211-1225	4.8	154
469	Comprehensive review on toxicity of persistent organic pollutants from petroleum refinery waste and their degradation by microorganisms. *Chemosphere*, **2017**, 188, 280-291	8.4	151
468	Dilute acid pretreatment and enzymatic saccharification of sugarcane tops for bioethanol production. *Bioresource Technology*, **2011**, 102, 10915-21	11	151
467	Potential of rice straw for bio-refining: An overview. *Bioresource Technology*, **2016**, 215, 29-36	11	150
466	Solid-state fermentation for l-lactic acid production from agro wastes using Lactobacillus delbrueckii. *Process Biochemistry*, **2006**, 41, 759-763	4.8	149
465	Strategies for design of improved biocatalysts for industrial applications. *Bioresource Technology*, **2017**, 245, 1304-1313	11	135
464	Solid-state fermentation for the production of Monascus pigments from jackfruit seed. *Bioresource Technology*, **2007**, 98, 1554-60	11	135
463	Bioconversion of sugarcane crop residue for value added products An overview. *Renewable Energy*, **2016**, 98, 203-215	8.1	132
462	Microbial strategies for bio-transforming food waste into resources. *Bioresource Technology*, **2020**, 299, 122580	11	130
461	Solid-state fermentation for the synthesis of citric acid by Aspergillus niger. *Bioresource Technology* , **2000**, 74, 175-178	11	125
460	Production of bio-ethanol from soybean molasses by Saccharomyces cerevisiae at laboratory, pilot and industrial scales. *Bioresource Technology*, **2008**, 99, 8156-63	11	121
459	Organic solvent adaptation of Gram positive bacteria: applications and biotechnological potentials. *Biotechnology Advances*, **2011**, 29, 442-52	17.8	120
458	Crude oil biodegradation aided by biosurfactants from Pseudozyma sp. NII 08165 or its culture broth. *Bioresource Technology*, **2015**, 191, 133-9	11	113
457	Zeolite and zeotype-catalysed transformations of biofuranic compounds. *Green Chemistry*, **2016**, 18, 5701-5735	10	113
456	Characterization of an exopolysaccharide with potential health-benefit properties from a probiotic Lactobacillus plantarum RJF4. *LWT - Food Science and Technology*, **2015**, 64, 1179-1186	5.4	110

455	Solid state fermentation of food waste mixtures for single cell protein, aroma volatiles and fat production. *Food Chemistry*, **2014**, 145, 710-6	8.5	108
454	Biological detoxification of coffee husk by filamentous fungi using a solid state fermentation system. *Enzyme and Microbial Technology*, **2000**, 27, 127-133	3.8	108
453	A critical review of organic manure biorefinery models toward sustainable circular bioeconomy: Technological challenges, advancements, innovations, and future perspectives. *Renewable and Sustainable Energy Reviews*, **2019**, 111, 115-131	16.2	105
452	Conversion of food and kitchen waste to value-added products. *Journal of Environmental Management*, **2019**, 241, 619-630	7.9	105
451	Bio-ethanol from water hyacinth biomass: an evaluation of enzymatic saccharification strategy. *Bioresource Technology*, **2010**, 101, 925-30	11	105
450	Thermostable cellulases: Current status and perspectives. *Bioresource Technology*, **2019**, 279, 385-392	11	103
449	Extra-cellular l-glutaminase production by Zygosaccharomyces rouxii under solid-state fermentation. *Process Biochemistry*, **2002**, 38, 307-312	4.8	101
448	Harvesting of microalgal biomass: Efficient method for flocculation through pH modulation. *Bioresource Technology*, **2016**, 213, 216-221	11	99
447	Current perspectives in enzymatic saccharification of lignocellulosic biomass. *Biochemical Engineering Journal*, **2015**, 102, 38-44	4.2	98
446	Refining biomass residues for sustainable energy and bio-products: An assessment of technology, its importance, and strategic applications in circular bio-economy. *Renewable and Sustainable Energy Reviews*, **2020**, 127, 109876	16.2	98
445	2,4-Di-tert-butyl phenol as the antifungal, antioxidant bioactive purified from a newly isolated Lactococcus sp. *International Journal of Food Microbiology*, **2015**, 211, 44-50	5.8	97
444	Probiotic bile salt hydrolase: current developments and perspectives. *Applied Biochemistry and Biotechnology*, **2010**, 162, 166-80	3.2	97
443	Characterization and stability of proteases from Penicillium sp. produced by solid-state fermentation. *Enzyme and Microbial Technology*, **2003**, 32, 246-251	3.8	97
442	Improved cellulase production by Trichoderma reesei RUT C30 under SSF through process optimization. *Applied Biochemistry and Biotechnology*, **2007**, 142, 60-70	3.2	96
441	Biobutanol production from rice straw by a non acetone producing Clostridium sporogenes BE01. *Bioresource Technology*, **2013**, 145, 182-7	11	95
440	Pentose-rich hydrolysate from acid pretreated rice straw as a carbon source for the production of poly-3-hydroxybutyrate. *Biochemical Engineering Journal*, **2013**, 78, 67-72	4.2	94
439	Isolation and characterization of novel plant growth promoting Micrococcus sp NII-0909 and its interaction with cowpea. *Plant Physiology and Biochemistry*, **2010**, 48, 987-92	5.4	93
438	Tannase production by Lactobacillus sp. ASR-S1 under solid-state fermentation. *Process Biochemistry*, **2006**, 41, 575-580	4.8	93

437	Comparison of phytase production on wheat bran and oilcakes in solid-state fermentation by Mucor racemosus. *Bioresource Technology*, **2006**, 97, 506-11	11	92
436	Fruity flavour production by Ceratocystis fimbriata grown on coffee husk in solid-state fermentation. *Process Biochemistry*, **2000**, 35, 857-861	4.8	92
435	Process optimization for antifungal chitinase production by Trichoderma harzianum. *Process Biochemistry*, **2004**, 39, 1583-1590	4.8	91
434	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. *Bioresource Technology*, **2017**, 239, 507-517	11	90
433	Enzymes for second generation biofuels: Recent developments and future perspectives. *Bioresource Technology Reports*, **2019**, 5, 317-325	4.1	89
432	Batch fermentation model of propionic acid production by Propionibacterium acidipropionici in different carbon sources. *Applied Biochemistry and Biotechnology*, **2008**, 151, 333-41	3.2	89
431	Aspects of fermenter design for solid-state fermentations. *Process Biochemistry*, **1991**, 26, 355-361	4.8	88
430	Cellulase production under solid-state fermentation by Trichoderma reesei RUT C30: statistical optimization of process parameters. *Applied Biochemistry and Biotechnology*, **2008**, 151, 122-31	3.2	87
429	Optimization of the production of aroma compounds by Kluyveromyces marxianus in solid-state fermentation using factorial design and response surface methodology. *Biochemical Engineering Journal*, **2000**, 6, 33-39	4.2	87
428	Physicochemical characterization of alkali pretreated sugarcane tops and optimization of enzymatic saccharification using response surface methodology. *Renewable Energy*, **2014**, 62, 362-368	8.1	86
427	Solid state fermentation for the synthesis of inulinase from Staphylococcus sp. and Kluyveromyces marxianus. *Process Biochemistry*, **1999**, 34, 851-855	4.8	86
426	Prebiotic Oligosaccharides: Special Focus on Fructooligosaccharides, Its Biosynthesis and Bioactivity. *Applied Biochemistry and Biotechnology*, **2017**, 183, 613-635	3.2	85
425	Isolation, selection and evaluation of yeasts for use in fermentation of coffee beans by the wet process. *International Journal of Food Microbiology*, **2014**, 188, 60-6	5.8	85
424	Mixed substrate fermentation for the production of phytase by Rhizopus spp. using oilcakes as substrates. *Process Biochemistry*, **2005**, 40, 1749-1754	4.8	84
423	Microbial degradation of high impact polystyrene (HIPS), an e-plastic with decabromodiphenyl oxide and antimony trioxide. *Journal of Hazardous Materials*, **2016**, 318, 347-354	12.8	83
422	Antioxidant and hepatoprotective potential of endo-polysaccharides from Hericium erinaceus grown on tofu whey. *International Journal of Biological Macromolecules*, **2012**, 51, 1140-6	7.9	83
421	Iron requirement and search for siderophores in lactic acid bacteria. *Applied Microbiology and Biotechnology*, **1994**, 40, 735-739	5.7	83
420	Algal Green Energy R&D and technological perspectives for biodiesel production. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 2946-2969	16.2	82

419	Production and characterization of poly-3-hydroxybutyrate from crude glycerol by Bacillus sphaericus NII 0838 and improving its thermal properties by blending with other polymers. *Brazilian Archives of Biology and Technology*, **2011**, 54, 783-794	1.8	79
418	Genetic modification: A tool for enhancing beta-glucosidase production for biofuel application. *Bioresource Technology*, **2017**, 245, 1352-1361	11	77
417	Formic acid as a potential pretreatment agent for the conversion of sugarcane bagasse to bioethanol. *Applied Biochemistry and Biotechnology*, **2010**, 162, 2313-23	3.2	77
416	Microbial production of citric acid. *Brazilian Archives of Biology and Technology*, **1999**, 42, 263-276	1.8	76
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414	High temperature pretreatment and hydrolysis of cotton stalk for producing sugars for bioethanol production. *Fuel*, **2012**, 92, 340-345	7.1	74
413	Production of Flammulina velutipes on coffee husk and coffee spent-ground. *Brazilian Archives of Biology and Technology*, **2001**, 44, 205-212	1.8	74
412	Metabolic engineering approaches for lactic acid production. *Process Biochemistry*, **2006**, 41, 991-1000	4.8	73
411	Scale-up strategies for packed-bed bioreactors for solid-state fermentation. *Process Biochemistry*, **1999**, 35, 167-178	4.8	72
410	Production of phytase by Mucor racemosus in solid-state fermentation. *Biotechnology Progress*, **2003**, 19, 312-9	2.8	71
409	Biopigments from Monascus: strains selection, citrinin production and color stability. *Brazilian Archives of Biology and Technology*, **2005**, 48, 885-894	1.8	71
408	Biological valorization of pure and crude glycerol into 1,3-propanediol using a novel isolate Lactobacillus brevis N1E9.3.3. *Bioresource Technology*, **2016**, 213, 222-230	11	70
407	Characterization of laccase isoforms produced by Pleurotus ostreatus in solid state fermentation of sugarcane bagasse. *Bioresource Technology*, **2012**, 114, 735-9	11	70
406	Fermentative production of gellan using Sphingomonas paucimobilis. *Process Biochemistry*, **2003**, 38, 1513-1519	4.8	70
405	Development of a novel sequential pretreatment strategy for the production of bioethanol from sugarcane trash. *Bioresource Technology*, **2016**, 199, 202-210	11	69
404	Cellulase production through solid-state tray fermentation, and its use for bioethanol from sorghum stover. *Bioresource Technology*, **2017**, 242, 265-271	11	69
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402	Recent developments in microbial oils production: a possible alternative to vegetable oils for biodiesel without competition with human food?. *Brazilian Archives of Biology and Technology*, **2012** , 55, 29-46	1.8	68

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400	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. *Journal of Cleaner Production*, **2020**, 263, 121500	10.3	67
399	Microbial production of extra-cellular phytase using polystyrene as inert solid support. *Bioresource Technology*, **2002**, 83, 229-33	11	66
398	Enzymatic synthesis of banana flavour (isoamyl acetate) by Bacillus licheniformis S-86 esterase. *Food Research International*, **2009**, 42, 454-460	7	65
397	Extracellular chitinase production by Trichoderma harzianum in submerged fermentation. *Journal of Basic Microbiology*, **2004**, 44, 49-58	2.7	65
396	Solid-state fermentation for production of phytase by Rhizopus oligosporus. *Applied Biochemistry and Biotechnology*, **2002**, 102-103, 251-60	3.2	65
395	Effect of dilute acid pretreatment of wild rice grass (Zizania latifolia) from Loktak Lake for enzymatic hydrolysis. *Bioresource Technology*, **2018**, 253, 252-255	11	64
394	Bioethanol production from dilute acid pretreated Indian bamboo variety (Dendrocalamus sp.) by separate hydrolysis and fermentation. *Industrial Crops and Products*, **2014**, 52, 169-176	5.9	64
393	Metagenome Analysis: a Powerful Tool for Enzyme Bioprospecting. *Applied Biochemistry and Biotechnology*, **2017**, 183, 636-651	3.2	64
392	Effect of stress on growth, pigment production and morphology of Monascus sp. in solid cultures. *Journal of Basic Microbiology*, **2007**, 47, 118-26	2.7	64
391	Organosolvent pretreatment and enzymatic hydrolysis of rice straw for the production of bioethanol. *World Journal of Microbiology and Biotechnology*, **2012**, 28, 473-83	4.4	62
390	Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating □proteobacterium sp. ISTKB. *Biotechnology for Biofuels*, **2018**, 11, 154	7.8	61
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388	Thermostable phytase production by Thermoascus aurantiacus in submerged fermentation. *Applied Biochemistry and Biotechnology*, **2004**, 118, 205-14	3.2	60
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386	Molecular improvements in microbial □amylases for enhanced stability and catalytic efficiency. *Bioresource Technology*, **2017**, 245, 1740-1748	11	59
385	Polyhydroxybutyrate production using agro-industrial residue as substrate by Bacillus sphaericus NCIM 5149. *Brazilian Archives of Biology and Technology*, **2009**, 52, 17-23	1.8	59
384	Studies on structural and physical characteristics of a novel exopolysaccharide from Pseudozyma sp. NII 08165. *International Journal of Biological Macromolecules*, **2013**, 59, 84-9	7.9	57

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380	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. *Journal of Hazardous Materials*, **2021**, 409, 124967	12.8	56
379	Novel enzymatic processes applied to the food industry. *Current Opinion in Food Science*, **2016**, 7, 64-72	9.8	55
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375	Biosynthesis of glucoamylase from Aspergillus niger by solid-state fermentation using tea waste as the basis of a solid substrate. *Bioresource Technology*, **1998**, 65, 83-85	11	54
374	Purification and characterisation of an acidic and antifungal chitinase produced by a Streptomyces sp. *Bioresource Technology*, **2015**, 188, 195-201	11	53
373	Studies on biosurfactants from Pseudozyma sp. NII 08165 and their potential application as laundry detergent additives. *Biochemical Engineering Journal*, **2013**, 78, 85-92	4.2	53
372	Alpha amylase from a fungal culture grown on oil cakes and its properties. *Brazilian Archives of Biology and Technology*, **2004**, 47, 309-317	1.8	53
371	Biotechnological potential of yeasts in functional food industry. *Trends in Food Science and Technology*, **2019**, 83, 129-137	15.3	53
370	Bioremediation of oily sludge polluted soil employing a novel strain of Pseudomonas aeruginosa and phytotoxicity of petroleum hydrocarbons for seed germination. *Science of the Total Environment*, **2020**, 737, 139766	10.2	52
369	Statistical optimization of simultaneous saccharification and l(+)-lactic acid fermentation from cassava bagasse using mixed culture of lactobacilli by response surface methodology. *Biochemical Engineering Journal*, **2007**, 36, 262-267	4.2	52
368	Bioconversion of biomass: a case study of ligno-cellulosics bioconversions in solid state fermentation. *Brazilian Archives of Biology and Technology*, **1998**, 41, 379-390	1.8	52
367	Highly glucose tolerant β-glucosidase from Aspergillus unguis: NII 08123 for enhanced hydrolysis of biomass. *Journal of Industrial Microbiology and Biotechnology*, **2013**, 40, 967-75	4.2	51
366	Bioethanol production from bamboo (Dendrocalamus sp.) process waste. *Biomass and Bioenergy*, **2013**, 59, 142-150	5.3	51

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362	Solid state cultivation--an efficient method to use toxic agro-industrial residues. *Journal of Basic Microbiology*, **2000**, 40, 187-97	2.7	50
361	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. *Bioresource Technology*, **2012**, 112, 300-7	11	49
360	Effect of light on growth, pigment production and culture morphology of Monascus purpureus in solid-state fermentation. *World Journal of Microbiology and Biotechnology*, **2008**, 24, 2671-2675	4.4	49
359	Emerging applications of biochar: Improving pig manure composting and attenuation of heavy metal mobility in mature compost. *Journal of Hazardous Materials*, **2020**, 389, 122116	12.8	48
358	Biocatalytic strategies for the production of high fructose syrup from inulin. *Bioresource Technology*, **2018**, 260, 395-403	11	48
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355	Acid and enzymatic hydrolysis to recover reducing sugars from cassava bagasse: an economic study. *Brazilian Archives of Biology and Technology*, **2002**, 45, 393-400	1.8	47
354	Fungal biosynthesis of endochitinase and chitobiase in solid state fermentation and their application for the production of N-acetyl-D-glucosamine from colloidal chitin. *Bioresource Technology*, **2007**, 98, 2742-8	11	46
353	L(+)-lactic acid production using Lactobacillus casei in solid-state fermentation. *Biotechnology Letters*, **2005**, 27, 1685-8	3	46
352	A critical review on various feedstocks as sustainable substrates for biosurfactants production: a way towards cleaner production. *Microbial Cell Factories*, **2021**, 20, 120	6.4	46
351	Hydrolysis of pretreated rice straw by an enzyme cocktail comprising acidic xylanase from Aspergillus sp. for bioethanol production. *Renewable Energy*, **2016**, 98, 9-15	8.1	46
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348	Rapid degradation of the organophosphate pesticide - Chlorpyrifos by a novel strain of Pseudomonas nitroreducens AR-3. *Bioresource Technology*, **2019**, 292, 122025	11	43

347	Statistical approach to optimization of fermentative production of gellan gum from Sphingomonas paucimobilis ATCC 31461. *Journal of Bioscience and Bioengineering*, **2006**, 102, 150-6	3.3	43
346	Effect of nutritional and environmental conditions on the production of exo-polysaccharide of Agaricus brasiliensis by submerged fermentation and its antitumor activity. *LWT - Food Science and Technology*, **2007**, 40, 30-35	5.4	43
345	Hydrotropic pretreatment on rice straw for bioethanol production. *Renewable Energy*, **2016**, 98, 2-8	8.1	42
344	Immobilized bacterial α-amylase for effective hydrolysis of raw and soluble starch. *Food Research International*, **2009**, 42, 436-442	7	42
343	Relation between growth, respirometric analysis and biopigments production from Monascus by solid-state fermentation. *Biochemical Engineering Journal*, **2006**, 29, 262-269	4.2	42
342	Improvements in solid-state fermentation for glucoamylase production. *Biological Wastes*, **1990**, 34, 11-19		42
341	Hydrolysis of Lignocellulosic Biomass for Bioethanol Production **2011**, 229-250		41
340	Biochemical characterization of raw-starch-digesting alpha amylase purified from Bacillus amyloliquefaciens. *Applied Biochemistry and Biotechnology*, **2009**, 158, 653-62	3.2	41
339	Techno-economics and life-cycle assessment of biological and thermochemical treatment of bio-waste. *Renewable and Sustainable Energy Reviews*, **2021**, 144, 110837	16.2	39
338	Bioremediated techniques for remediation of metal pollutants using metagenomics approaches: A review. *Journal of Environmental Chemical Engineering*, **2021**, 9, 105684	6.8	39
337	Assessing the impact of industrial waste on environment and mitigation strategies: A comprehensive review. *Journal of Hazardous Materials*, **2020**, 398, 123019	12.8	38
336	An organic-solvent-tolerant esterase from thermophilic Bacillus licheniformis S-86. *Bioresource Technology*, **2009**, 100, 896-902	11	37
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332	Gibberellic acid production by solid-state fermentation in coffee husk. *Applied Biochemistry and Biotechnology*, **2002**, 102-103, 179-91	3.2	36
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