

# Mohammad J Taherzadeh

## List of Publications by Citations

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383  
papers

15,451  
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63  
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108  
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426  
ext. papers

18,333  
ext. citations

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#	Paper	IF	Citations
383	Pretreatment of lignocellulosic wastes to improve ethanol and biogas production: a review. <i>International Journal of Molecular Sciences</i> , <b>2008</b> , 9, 1621-51	6.3	1711
382	A critical review of analytical methods in pretreatment of lignocelluloses: Composition, imaging, and crystallinity. <i>Bioresource Technology</i> , <b>2016</b> , 200, 1008-18	11	372
381	Inhibition effects of furfural on alcohol dehydrogenase, aldehyde dehydrogenase and pyruvate dehydrogenase. <i>Biochemical Journal</i> , <b>2002</b> , 363, 769-776	3.8	294
380	Physiological effects of 5-hydroxymethylfurfural on <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2000</b> , 53, 701-8	5.7	277
379	Conversion of rice straw to sugars by dilute-acid hydrolysis. <i>Biomass and Bioenergy</i> , <b>2006</b> , 30, 247-253	5.3	255
378	Characterization and Fermentation of Dilute-Acid Hydrolyzates from Wood. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1997</b> , 36, 4659-4665	3.9	246
377	Ethanol production from dilute-acid pretreated rice straw by simultaneous saccharification and fermentation with <i>Mucor indicus</i> , <i>Rhizopus oryzae</i> , and <i>Saccharomyces cerevisiae</i> . <i>Enzyme and Microbial Technology</i> , <b>2006</b> , 40, 138-144	3.8	246
376	Production of biofuels, limonene and pectin from citrus wastes. <i>Bioresource Technology</i> , <b>2010</b> , 101, 4246-450	5.0	221
375	Acetic acid: friend or foe in anaerobic batch conversion of glucose to ethanol by <i>Saccharomyces cerevisiae</i> ?. <i>Chemical Engineering Science</i> , <b>1997</b> , 52, 2653-2659	4.4	212
374	Biological pretreatment of lignocelluloses with white-rot fungi and its applications: A review. <i>BioResources</i> , <b>2011</b> , 6, 5224-5259	1.3	197
373	Household Biogas Digesters: A Review. <i>Energies</i> , <b>2012</b> , 5, 2911-2942	3.1	195
372	Conversion of furfural in aerobic and anaerobic batch fermentation of glucose by <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>1999</b> , 87, 169-74	3.3	195
371	Bioengineering of anaerobic digestion for volatile fatty acids, hydrogen or methane production: A critical review. <i>Bioengineered</i> , <b>2019</b> , 10, 437-458	5.7	189
370	A critical review on analysis in pretreatment of lignocelluloses: Degree of polymerization, adsorption/desorption, and accessibility. <i>Bioresource Technology</i> , <b>2016</b> , 203, 348-56	11	158
369	Inhibition effects of furfural on alcohol dehydrogenase, aldehyde dehydrogenase and pyruvate dehydrogenase. <i>Biochemical Journal</i> , <b>2002</b> , 363, 769-76	3.8	153
368	Advances in consolidated bioprocessing systems for bioethanol and butanol production from biomass: a comprehensive review. <i>Biofuel Research Journal</i> , 152-195	13.9	153
367	Resource recovery and circular economy from organic solid waste using aerobic and anaerobic digestion technologies. <i>Bioresource Technology</i> , <b>2020</b> , 301, 122778	11	152

366	Process design and economic analysis of a citrus waste biorefinery with biofuels and limonene as products. <i>Bioresource Technology</i> , <b>2010</b> , 101, 7382-8	11	144
365	Bioethylene Production from Ethanol: A Review and Techno-economical Evaluation. <i>ChemBioEng Reviews</i> , <b>2017</b> , 4, 75-91	5.2	141
364	Performance of Rhizopus, Rhizomucor, and Mucor in ethanol production from glucose, xylose, and wood hydrolyzates. <i>Enzyme and Microbial Technology</i> , <b>2005</b> , 36, 294-300	3.8	133
363	Innovative pretreatment strategies for biogas production. <i>Bioresource Technology</i> , <b>2017</b> , 224, 13-24	11	129
362	Integration of the first and second generation bioethanol processes and the importance of by-products. <i>Bioresource Technology</i> , <b>2014</b> , 165, 3-8	11	125
361	A critical review on advances in the practices and perspectives for the treatment of dye industry wastewater. <i>Bioengineered</i> , <b>2021</b> , 12, 70-87	5.7	123
360	Effects of furfural on the respiratory metabolism of <i>Saccharomyces cerevisiae</i> in glucose-limited chemostats. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 4076-86	4.8	121
359	Ethanol production from cotton-based waste textiles. <i>Bioresource Technology</i> , <b>2009</b> , 100, 1007-10	11	112
358	Bioethanol production from sweet sorghum bagasse by <i>Mucor hiemalis</i> . <i>Industrial Crops and Products</i> , <b>2011</b> , 34, 1219-1225	5.9	111
357	Waste biorefineries using filamentous ascomycetes fungi: Present status and future prospects. <i>Bioresource Technology</i> , <b>2016</b> , 215, 334-345	11	110
356	Pretreatment of paper tube residuals for improved biogas production. <i>Bioresource Technology</i> , <b>2010</b> , 101, 1206-12	11	109
355	Anaerobic co-digestion of solid slaughterhouse wastes with agro-residues: Synergistic and antagonistic interactions determined in batch digestion assays. <i>Chemical Engineering Journal</i> , <b>2014</b> , 245, 89-98	14.7	108
354	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> , <b>2019</b> , 111, 115-131	16.2	105
353	The effects of pantothenate deficiency and acetate addition on anaerobic batch fermentation of glucose by <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>1996</b> , 46, 176-82	5.7	105
352	Pretreatment of spruce and oak by N-methylmorpholine-N-oxide (NMMO) for efficient conversion of their cellulose to ethanol. <i>Bioresource Technology</i> , <b>2010</b> , 101, 4914-8	11	104
351	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> , <b>2020</b> , 127, 109876	16.2	98
350	Effect of pH, time and temperature of overliming on detoxification of dilute-acid hydrolyzates for fermentation by <i>Saccharomyces cerevisiae</i> . <i>Process Biochemistry</i> , <b>2002</b> , 38, 515-522	4.8	98
349	Ethanol production by <i>Mucor indicus</i> and <i>Rhizopus oryzae</i> from rice straw by separate hydrolysis and fermentation. <i>Biomass and Bioenergy</i> , <b>2009</b> , 33, 828-833	5.3	96

348	Anaerobic degradation of bioplastics: A review. <i>Waste Management</i> , <b>2018</b> , 80, 406-413	8.6	96
347	Zygomycetes-based biorefinery: present status and future prospects. <i>Bioresource Technology</i> , <b>2013</b> , 135, 523-32	11	94
346	Enhancement of ethanol and biogas production from high-crystalline cellulose by different modes of NMO pretreatment. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 105, 469-76	4.9	94
345	Enhanced biogas production from rice straw, triticale straw and softwood spruce by NMMO pretreatment. <i>Biomass and Bioenergy</i> , <b>2012</b> , 36, 116-120	5.3	91
344	Ethanol production from hexoses, pentoses, and dilute-acid hydrolyzate by <i>Mucor indicus</i> . <i>FEMS Yeast Research</i> , <b>2005</b> , 5, 669-76	3.1	91
343	A novel process for ethanol or biogas production from cellulose in blended-fibers waste textiles. <i>Waste Management</i> , <b>2010</b> , 30, 2504-9	8.6	89
342	Conversion of dilute-acid hydrolyzates of spruce and birch to ethanol by fed-batch fermentation. <i>Bioresource Technology</i> , <b>1999</b> , 69, 59-66	11	86
341	Methane production from citrus wastes: process development and cost estimation. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 250-255	3.5	82
340	Strategies for enhancing fermentative production of glycerol—review. <i>Enzyme and Microbial Technology</i> , <b>2002</b> , 31, 53-66	3.8	82
339	Kinetic study of detoxification of dilute-acid hydrolyzates by Ca(OH) <sub>2</sub> . <i>Journal of Biotechnology</i> , <b>2004</b> , 114, 187-98	3.7	81
338	Improvement of biogas production from orange peel waste by leaching of limonene. <i>BioMed Research International</i> , <b>2015</b> , 2015, 494182	3	78
337	Production of ethanol and mycelial biomass from rice straw hemicellulose hydrolyzate by <i>Mucor indicus</i> . <i>Process Biochemistry</i> , <b>2006</b> , 41, 653-658	4.8	76
336	Inhibition effects of furfural on aerobic batch cultivation of <i>Saccharomyces cerevisiae</i> growing on ethanol and/or acetic acid. <i>Journal of Bioscience and Bioengineering</i> , <b>2000</b> , 90, 374-80	3.3	76
335	A comparative study between single- and two-stage anaerobic digestion processes: Effects of organic loading rate and hydraulic retention time. <i>International Biodeterioration and Biodegradation</i> , <b>2014</b> , 95, 181-188	4.8	74
334	Biochemicals from food waste and recalcitrant biomass via syngas fermentation: A review. <i>Bioresource Technology</i> , <b>2018</b> , 248, 113-121	11	73
333	Filamentous ascomycetes fungi as a source of natural pigments. <i>Fungal Biology and Biotechnology</i> , <b>2017</b> , 4, 4	7.5	72
332	Effect of fungal and phosphoric acid pretreatment on ethanol production from oil palm empty fruit bunches (OPEFB). <i>Bioresource Technology</i> , <b>2014</b> , 165, 9-12	11	71
331	Enhancement of ethanol production from spruce wood chips by ionic liquid pretreatment. <i>Applied Energy</i> , <b>2013</b> , 102, 163-169	10.7	71

330	High-rate biogas production from waste textiles using a two-stage process. <i>Renewable Energy</i> , <b>2013</b> , 52, 128-135	8.1	68
329	Structural changes of oil palm empty fruit bunch (OPEFB) after fungal and phosphoric acid pretreatment. <i>Molecules</i> , <b>2012</b> , 17, 14995-5002	4.8	67
328	Experimental and economical evaluation of bioconversion of forest residues to biogas using organosolv pretreatment. <i>Bioresource Technology</i> , <b>2015</b> , 178, 201-208	11	66
327	Determination of glucosamine and N-acetyl glucosamine in fungal cell walls. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 8314-8	5.7	66
326	Improving the economy of lignocellulose-based biorefineries with organosolv pretreatment. <i>Bioresource Technology</i> , <b>2020</b> , 299, 122695	11	66
325	Simultaneous saccharification, filtration and fermentation (SSFF): a novel method for bioethanol production from lignocellulosic biomass. <i>Bioresource Technology</i> , <b>2013</b> , 133, 68-73	11	65
324	Techno-economical study of ethanol and biogas from spruce wood by NMMO-pretreatment and rapid fermentation and digestion. <i>Bioresource Technology</i> , <b>2011</b> , 102, 7879-86	11	65
323	Effect of carboxymethylation conditions on the water-binding capacity of chitosan-based superabsorbents. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 2683-9	2.9	64
322	Extraction and precipitation of chitosan from cell wall of zygomycetes fungi by dilute sulfuric acid. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3786-90	6.9	64
321	Ethanol production from glucose and dilute-acid hydrolyzates by encapsulated <i>S. cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 90, 345-53	4.9	64
320	Pretreatment technologies for anaerobic digestion of lignocelluloses and toxic feedstocks. <i>Bioresource Technology</i> , <b>2020</b> , 304, 122998	11	63
319	Production of mycelium biomass and ethanol from paper pulp sulfite liquor by <i>Rhizopus oryzae</i> . <i>Bioresource Technology</i> , <b>2003</b> , 88, 167-77	11	62
318	Effect of pH, substrate loading, oxygen, and methanogens inhibitors on volatile fatty acid (VFA) production from citrus waste by anaerobic digestion. <i>Bioresource Technology</i> , <b>2020</b> , 302, 122800	11	61
317	In situ detoxification and continuous cultivation of dilute-acid hydrolyzate to ethanol by encapsulated <i>S. cerevisiae</i> . <i>Journal of Biotechnology</i> , <b>2006</b> , 125, 377-84	3.7	61
316	Characterization of <i>Nizimuddinia zanardini</i> macroalgae biomass composition and its potential for biofuel production. <i>Bioresource Technology</i> , <b>2015</b> , 176, 196-202	11	60
315	Effects of furfural on anaerobic continuous cultivation of <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , <b>2001</b> , 75, 540-9	4.9	59
314	A novel process simulation model (PSM) for anaerobic digestion using Aspen Plus. <i>Bioresource Technology</i> , <b>2014</b> , 168, 7-13	11	58
313	Alkali pretreatment of softwood spruce and hardwood birch by NaOH/thiourea, NaOH/urea, NaOH/urea/thiourea, and NaOH/PEG to improve ethanol and biogas production. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2012</b> , 87, 1209-1214	3.5	56

312	Protective Effect of Encapsulation in Fermentation of Limonene-contained Media and Orange Peel Hydrolyzate. <i>International Journal of Molecular Sciences</i> , <b>2007</b> , 8, 777-787	6.3	56
311	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 409, 124967	12.8	56
310	Palm date fibers: analysis and enzymatic hydrolysis. <i>International Journal of Molecular Sciences</i> , <b>2010</b> , 11, 4285-96	6.3	55
309	Uncertainty over techno-economic potentials of biogas from municipal solid waste (MSW): A case study on an industrial process. <i>Applied Energy</i> , <b>2014</b> , 125, 84-92	10.7	54
308	Efficient conversion of municipal solid waste to biofuel by simultaneous dilute-acid hydrolysis of starch and pretreatment of lignocelluloses. <i>Energy Conversion and Management</i> , <b>2018</b> , 166, 569-578	10.6	53
307	A pilot study on lignocelluloses to ethanol and fish feed using NMMO pretreatment and cultivation with zygomycetes in an air-lift reactor. <i>Bioresource Technology</i> , <b>2011</b> , 102, 4425-32	11	53
306	Factors influencing volatile fatty acids production from food wastes via anaerobic digestion. <i>Bioengineered</i> , <b>2020</b> , 11, 39-52	5.7	53
305	Feasibility of membrane processes for the recovery and purification of bio-based volatile fatty acids: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 81, 24-40	6.3	53
304	Valorization of sugar-to-ethanol process waste vinasse: A novel biorefinery approach using edible ascomycetes filamentous fungi. <i>Bioresource Technology</i> , <b>2016</b> , 221, 469-476	11	52
303	Dilute phosphoric acid pretreatment of wheat bran for enzymatic hydrolysis and subsequent ethanol production by edible fungi <i>Neurospora intermedia</i> . <i>Industrial Crops and Products</i> , <b>2015</b> , 69, 314-323	5.9	51
302	On-line control of fed-batch fermentation of dilute-acid hydrolyzates. <i>Biotechnology and Bioengineering</i> , <b>2000</b> , 69, 330-8	4.9	51
301	Organic solid waste biorefinery: Sustainable strategy for emerging circular bioeconomy in China. <i>Industrial Crops and Products</i> , <b>2020</b> , 153, 112568	5.9	51
300	Engineering biocatalytic material for the remediation of pollutants: A comprehensive review. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 20, 101063	7	51
299	Production of Ethanol and Biomass from Thin Stillage Using Food-Grade Zygomycetes and Ascomycetes Filamentous Fungi. <i>Energies</i> , <b>2014</b> , 7, 3872-3885	3.1	50
298	Food waste-derived volatile fatty acids platform using an immersed membrane bioreactor. <i>Bioresource Technology</i> , <b>2019</b> , 274, 329-334	11	50
297	Anaerobic digestion of food waste to volatile fatty acids and hydrogen at high organic loading rates in immersed membrane bioreactors. <i>Renewable Energy</i> , <b>2020</b> , 152, 1140-1148	8.1	49
296	Production of ethanol and biomass from thin stillage by <i>Neurospora intermedia</i> : A pilot study for process diversification. <i>Engineering in Life Sciences</i> , <b>2015</b> , 15, 751-759	3.4	49
295	Ethanol production at elevated temperatures using encapsulation of yeast. <i>Journal of Biotechnology</i> , <b>2011</b> , 156, 22-9	3.7	49

294	Emerging applications of biochar: Improving pig manure composting and attenuation of heavy metal mobility in mature compost. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 389, 122116	12.8	48
293	Ethanol and biogas production from birch by NMMO pretreatment. <i>Biomass and Bioenergy</i> , <b>2013</b> , 49, 95-101	5.3	48
292	A review of integration strategies of lignocelluloses and other wastes in 1st generation bioethanol processes. <i>Process Biochemistry</i> , <b>2018</b> , 75, 173-186	4.8	48
291	Vegan-mycoprotein concentrate from pea-processing industry byproduct using edible filamentous fungi. <i>Fungal Biology and Biotechnology</i> , <b>2018</b> , 5, 5	7.5	46
290	Continuous fermentation of wheat-supplemented lignocellulose hydrolysate with different types of cell retention. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 98, 80-90	4.9	46
289	Hydrothermal processing as pretreatment for efficient production of ethanol and biogas from municipal solid waste. <i>Bioresource Technology</i> , <b>2018</b> , 261, 166-175	11	44
288	Flocculation causes inhibitor tolerance in <i>Saccharomyces cerevisiae</i> for second-generation bioethanol production. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 6908-18	4.8	44
287	Biofuels in Nigeria: A critical and strategic evaluation. <i>Renewable Energy</i> , <b>2013</b> , 55, 554-560	8.1	44
286	Experimental and economical evaluation of a novel biogas digester. <i>Energy Conversion and Management</i> , <b>2013</b> , 74, 183-191	10.6	44
285	Biogas production from lignocelluloses by N-methylmorpholine-N-oxide (NMMO) pretreatment: effects of recovery and reuse of NMMO. <i>Bioresource Technology</i> , <b>2014</b> , 161, 446-50	11	43
284	Value-added products from dairy waste using edible fungi. <i>Waste Management</i> , <b>2017</b> , 59, 518-525	8.6	43
283	Use of dynamic step response for control of fed-batch conversion of lignocellulosic hydrolyzates to ethanol. <i>Journal of Biotechnology</i> , <b>2001</b> , 89, 41-53	3.7	43
282	Energy recovery from industrial crop wastes by dry anaerobic digestion: A review. <i>Industrial Crops and Products</i> , <b>2019</b> , 129, 673-687	5.9	43
281	A new foaming technique for production of superabsorbents from carboxymethyl chitosan. <i>Carbohydrate Polymers</i> , <b>2010</b> , 80, 1091-1101	10.3	42
280	Development of a submerged anaerobic membrane bioreactor for concurrent extraction of volatile fatty acids and biohydrogen production. <i>Bioresource Technology</i> , <b>2015</b> , 196, 290-300	11	41
279	Pretreatment of oil palm empty fruit bunch (OPEFB) by N-methylmorpholine-N-oxide (NMMO) for biogas production: structural changes and digestion improvement. <i>Bioresource Technology</i> , <b>2013</b> , 128, 461-6	11	41
278	A Possible Industrial Solution to Ferment Lignocellulosic Hydrolyzate to Ethanol: Continuous Cultivation with Flocculating Yeast. <i>International Journal of Molecular Sciences</i> , <b>2007</b> , 8, 920-932	6.3	41
277	Biological Pretreatment of Chicken Feather and Biogas Production from Total Broth. <i>Applied Biochemistry and Biotechnology</i> , <b>2016</b> , 180, 1401-1415	3.2	40

276	Evaluation of Filamentous Fungal Biomass Cultivated on Vinasse as an Alternative Nutrient Source of Fish Feed: Protein, Lipid, and Mineral Composition. <i>Fermentation</i> , <b>2019</b> , 5, 99	4.7	40
275	Mycoprotein: environmental impact and health aspects. <i>World Journal of Microbiology and Biotechnology</i> , <b>2019</b> , 35, 147	4.4	39
274	Resource recovery and biorefinery potential of apple orchard waste in the circular bioeconomy. <i>Bioresource Technology</i> , <b>2021</b> , 321, 124496	11	39
273	Techno-economics and life-cycle assessment of biological and thermochemical treatment of bio-waste. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 144, 110837	16.2	39
272	Recycling strategies for polyhydroxyalkanoate-based waste materials: An overview. <i>Bioresource Technology</i> , <b>2020</b> , 298, 122393	11	38
271	Evaluating the impact of bamboo biochar on the fungal community succession during chicken manure composting. <i>Bioresource Technology</i> , <b>2019</b> , 272, 308-314	11	38
270	Semi-continuous co-digestion of solid cattle slaughterhouse wastes with other waste streams: Interactions within the mixtures and methanogenic community structure. <i>Chemical Engineering Journal</i> , <b>2015</b> , 273, 28-36	14.7	37
269	Integrated Process for Ethanol, Biogas, and Edible Filamentous Fungi-Based Animal Feed Production from Dilute Phosphoric Acid-Pretreated Wheat Straw. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 184, 48-62	3.2	37
268	Dry fermentation of manure with straw in continuous plug flow reactor: Reactor development and process stability at different loading rates. <i>Bioresource Technology</i> , <b>2017</b> , 224, 197-205	11	37
267	Fermentation Inhibitors in Ethanol Processes and Different Strategies to Reduce Their Effects <b>2011</b> , 287-311		37
266	Co-Production of Fungal Biomass Derived Constituents and Ethanol from Citrus Wastes Free Sugars without Auxiliary Nutrients in Airlift Bioreactor. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 302	6.3	37
265	Effects of encapsulation of microorganisms on product formation during microbial fermentations. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 96, 1441-54	5.7	36
264	Use of Organic Wastes and Industrial By-Products to Produce Filamentous Fungi with Potential as Aqua-Feed Ingredients. <i>Sustainability</i> , <b>2018</b> , 10, 3296	3.6	36
263	Production of Pectin-Cellulose Biofilms: A New Approach for Citrus Waste Recycling. <i>International Journal of Polymer Science</i> , <b>2017</b> , 2017, 1-9	2.4	35
262	Techno-economic study of NMMO pretreatment and biogas production from forest residues. <i>Applied Energy</i> , <b>2014</b> , 116, 125-133	10.7	35
261	Isolation and characterization of zygomycetes fungi from tempe for ethanol production and biomass applications. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 1501-12	3.2	35
260	Reverse membrane bioreactor: Introduction to a new technology for biofuel production. <i>Biotechnology Advances</i> , <b>2016</b> , 34, 954-975	17.8	34
259	Combining submerged and solid state fermentation to convert waste bread into protein and pigment using the edible filamentous fungus <i>N. intermedia</i> . <i>Waste Management</i> , <b>2019</b> , 97, 63-70	8.6	34



258	Kinetic modeling of rapid enzymatic hydrolysis of crystalline cellulose after pretreatment by NMMO. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2012</b> , 39, 429-38	4.2	34
257	Biogas production from citrus waste by membrane bioreactor. <i>Membranes</i> , <b>2014</b> , 4, 596-607	3.8	34
256	Production of ethanol by filamentous and yeast-like forms of <i>Mucor indicus</i> from fructose, glucose, sucrose, and molasses. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2008</b> , 35, 1253-9	4.2	33
255	Ethanol production from bread residues. <i>Biomass and Bioenergy</i> , <b>2008</b> , 32, 333-337	5.3	33
254	Continuous bioethanol fermentation from wheat straw hydrolysate with high suspended solid content using an immersed flat sheet membrane bioreactor. <i>Bioresource Technology</i> , <b>2017</b> , 241, 296-308 <sup>11</sup>		32
253	Enhancement of solubilization rate of cellulose in anaerobic digestion and its drawbacks. <i>Process Biochemistry</i> , <b>2011</b> , 46, 1509-1514	4.8	32
252	Novel lightweight and highly thermally insulative silica aerogel-doped poly(vinyl chloride)-coated fabric composite. <i>Journal of Reinforced Plastics and Composites</i> , <b>2015</b> , 34, 1581-1592	2.9	31
251	Pretreatment of chicken feather waste for improved biogas production. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 169, 2016-28	3.2	31
250	Ethanol from Oil Palm Empty Fruit Bunch via Dilute-Acid Hydrolysis and Fermentation by <i>Mucor indicus</i> and <i>Saccharomyces cerevisiae</i> . <i>Agricultural Journal</i> , <b>2011</b> , 6, 54-59	2	31
249	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> , <b>2021</b> , 143, 110972	16.2	31
248	Rapid bio-methanation of syngas in a reverse membrane bioreactor: membrane encased microorganisms. <i>Bioresource Technology</i> , <b>2015</b> , 178, 334-340	11	30
247	The diversity of microbial community and function varied in response to different agricultural residues composting. <i>Science of the Total Environment</i> , <b>2020</b> , 715, 136983	10.2	30
246	Production of Fungal Biomass for Feed, Fatty Acids, and Glycerol by <i>Aspergillus oryzae</i> from Fat-Rich Dairy Substrates. <i>Fermentation</i> , <b>2017</b> , 3, 48	4.7	30
245	Agricultural, Industrial, Municipal, and Forest Wastes <b>2019</b> , 1-22		30
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97	Effect of media rheology and bioreactor hydrodynamics on filamentous fungi fermentation of lignocellulosic and starch-based substrates under pseudoplastic flow conditions. <i>Bioresource Technology</i> , <b>2018</b> , 263, 250-257	11	6


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94	Application of cell culture technology and genetic engineering for production of future foods and crop improvement to strengthen food security. <i>Bioengineered</i> , <b>2021</b> , 12, 11305-11330	5.7	6
93	FIRE-DRIVEN BIOMASS AND PEAT CARBON LOSSES AND POST-FIRE SOIL CO <sub>2</sub> EMISSION IN A WEST KALIMANTAN PEATLAND FOREST. <i>Journal of Tropical Forest Science</i> , <b>2018</b> , 30, 570-575	1	6
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90	Cultivation of edible filamentous fungus <i>Aspergillus oryzae</i> on volatile fatty acids derived from anaerobic digestion of food waste and cow manure. <i>Bioresource Technology</i> , <b>2021</b> , 337, 125410	11	6
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88	Economic impact of NMMO pretreatment on ethanol and biogas production from pinewood. <i>BioMed Research International</i> , <b>2014</b> , 2014, 320254	3	5
87	Mechanically robust polysiloxane-CA capsules for prolonged ethanol production. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2013</b> , 88, 1080-1088	3.5	5
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