Yebo Li

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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.

132 papers	10,603 citations	52 h-index	101 g-index
139 ext. papers	11,933 ext. citations	8.4 avg, IF	6.97 L-index

#	Paper	IF	Citations
132	Nutrient recovery from wastewater streams by microalgae: Status and prospects. *Renewable and Sustainable Energy Reviews*, **2013**, 19, 360-369	16.2	941
131	Pretreatment of lignocellulosic biomass for enhanced biogas production. *Progress in Energy and Combustion Science*, **2014**, 42, 35-53	33.6	828
130	Solid-state anaerobic digestion for methane production from organic waste. *Renewable and Sustainable Energy Reviews*, **2011**, 15, 821-826	16.2	642
129	Anaerobic digestion of food waste - Challenges and opportunities. *Bioresource Technology*, **2018**, 247, 1047-1058	11	396
128	Fungal pretreatment of lignocellulosic biomass. *Biotechnology Advances*, **2012**, 30, 1447-57	17.8	310
127	Enhanced solid-state anaerobic digestion of corn stover by alkaline pretreatment. *Bioresource Technology*, **2010**, 101, 7523-8	11	282
126	Solid state anaerobic co-digestion of yard waste and food waste for biogas production. *Bioresource Technology*, **2013**, 127, 275-80	11	260
125	Progress and perspectives in converting biogas to transportation fuels. *Renewable and Sustainable Energy Reviews*, **2014**, 40, 1133-1152	16.2	247
124	Challenges and strategies for solid-state anaerobic digestion of lignocellulosic biomass. *Renewable and Sustainable Energy Reviews*, **2015**, 44, 824-834	16.2	238
123	Comparison of solid-state to liquid anaerobic digestion of lignocellulosic feedstocks for biogas production. *Bioresource Technology*, **2012**, 124, 379-86	11	228
122	Characterization of crude glycerol from biodiesel plants. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 5915-21	5.7	187
121	Methane production from solid-state anaerobic digestion of lignocellulosic biomass. *Biomass and Bioenergy*, **2012**, 46, 125-132	5.3	181
120	Microbial pretreatment of corn stover with Ceriporiopsis subvermispora for enzymatic hydrolysis and ethanol production. *Bioresource Technology*, **2010**, 101, 6398-403	11	175
119	Solid-state anaerobic digestion of lignocellulosic biomass: Recent progress and perspectives. *Bioresource Technology*, **2016**, 205, 239-49	11	162
118	Beyond land application: Emerging technologies for the treatment and reuse of anaerobically digested agricultural and food waste. *Waste Management*, **2015**, 44, 94-115	8.6	160
117	Value-added processing of crude glycerol into chemicals and polymers. *Bioresource Technology*, **2016**, 215, 144-154	11	153
116	Production and characterization of biopolyols and polyurethane foams from crude glycerol based liquefaction of soybean straw. *Bioresource Technology*, **2012**, 103, 227-33	11	153

115	Evaluation of methane production and macronutrient degradation in the anaerobic co-digestion of algae biomass residue and lipid waste. *Bioresource Technology*, **2012**, 111, 42-8	11	152
114	Semi-continuous anaerobic co-digestion of thickened waste activated sludge and fat, oil and grease. *Waste Management*, **2011**, 31, 1752-8	8.6	151
113	Improving the sustainability of organic waste management practices in the food-energy-water nexus: A comparative review of anaerobic digestion and composting. *Renewable and Sustainable Energy Reviews*, **2018**, 89, 151-167	16.2	146
112	Liquid hot water and alkaline pretreatment of soybean straw for improving cellulose digestibility. *Bioresource Technology*, **2011**, 102, 6254-9	11	143
111	Enhancing the solid-state anaerobic digestion of fallen leaves through simultaneous alkaline treatment. *Bioresource Technology*, **2011**, 102, 8828-34	11	141
110	Effectiveness of microbial pretreatment by Ceriporiopsis subvermispora on different biomass feedstocks. *Bioresource Technology*, **2011**, 102, 7507-12	11	136
109	Microbial delignification of corn stover by Ceriporiopsis subvermispora for improving cellulose digestibility. *Enzyme and Microbial Technology*, **2010**, 47, 31-36	3.8	126
108	Cultivation of Nannochloropsis salina using anaerobic digestion effluent as a nutrient source for biofuel production. *Applied Energy*, **2013**, 108, 486-492	10.7	124
107	Polyols and polyurethanes from the liquefaction of lignocellulosic biomass. *ChemSusChem*, **2014**, 7, 66-78	8.3	119
106	Reactor performance and microbial community dynamics during solid-state anaerobic digestion of corn stover at mesophilic and thermophilic conditions. *Bioresource Technology*, **2013**, 136, 574-81	11	108
105	Lactic acid production from corn stover using mixed cultures of Lactobacillus rhamnosus and Lactobacillus brevis. *Bioresource Technology*, **2011**, 102, 1831-6	11	99
104	Biological conversion of methane to liquid fuels: status and opportunities. *Biotechnology Advances*, **2014**, 32, 1460-75	17.8	92
103	Comparison of the microbial communities in solid-state anaerobic digestion (SS-AD) reactors operated at mesophilic and thermophilic temperatures. *Applied Microbiology and Biotechnology*, **2015**, 99, 969-80	5.7	90
102	Comparison of different liquid anaerobic digestion effluents as inocula and nitrogen sources for solid-state batch anaerobic digestion of corn stover. *Waste Management*, **2013**, 33, 26-32	8.6	90
101	Thermochemical conversion of crude glycerol to biopolyols for the production of polyurethane foams. *Bioresource Technology*, **2013**, 139, 323-9	11	86
100	Solid-state anaerobic co-digestion of hay and soybean processing waste for biogas production. *Bioresource Technology*, **2014**, 154, 240-7	11	82
99	Solid-state co-digestion of expired dog food and corn stover for methane production. *Bioresource Technology*, **2012**, 118, 219-26	11	81
98	Highly active and stable Ni-based bimodal pore catalyst for dry reforming of methane. *Applied Catalysis A: General*, **2015**, 491, 116-126	5.1	79

97	Solid-state anaerobic digestion of spent wheat straw from horse stall. *Bioresource Technology*, **2011**, 102, 9432-7	11	79
96	Biological conversion of biogas to methanol using methanotrophs isolated from solid-state anaerobic digestate. *Bioresource Technology*, **2016**, 201, 50-7	11	78
95	Two-step sequential liquefaction of lignocellulosic biomass by crude glycerol for the production of polyols and polyurethane foams. *Bioresource Technology*, **2014**, 161, 410-5	11	77
94	Predicting the methane yield of lignocellulosic biomass in mesophilic solid-state anaerobic digestion based on feedstock characteristics and process parameters. *Bioresource Technology*, **2014**, 173, 168-176	11	77
93	Fungal pretreatment of yard trimmings for enhancement of methane yield from solid-state anaerobic digestion. *Bioresource Technology*, **2014**, 156, 176-81	11	73
92	Succinic acid production from cheese whey using Actinobacillus succinogenes 130 Z. *Applied Biochemistry and Biotechnology*, **2008**, 145, 111-9	3.2	73
91	Comparison of Synechocystis sp. PCC6803 and Nannochloropsis salina for lipid production using artificial seawater and nutrients from anaerobic digestion effluent. *Bioresource Technology*, **2013**, 144, 255-60	11	72
90	Giant reed: A competitive energy crop in comparison with miscanthus. *Renewable and Sustainable Energy Reviews*, **2016**, 54, 350-362	16.2	70
89	A mass diffusion-based interpretation of the effect of total solids content on solid-state anaerobic digestion of cellulosic biomass. *Bioresource Technology*, **2014**, 167, 178-85	11	69
88	Fungal pretreatment of unsterilized yard trimmings for enhanced methane production by solid-state anaerobic digestion. *Bioresource Technology*, **2014**, 158, 248-52	11	63
87	Effects of microbial and non-microbial factors of liquid anaerobic digestion effluent as inoculum on solid-state anaerobic digestion of corn stover. *Bioresource Technology*, **2014**, 157, 188-96	11	62
86	Solid-state anaerobic co-digestion of spent mushroom substrate with yard trimmings and wheat straw for biogas production. *Bioresource Technology*, **2014**, 169, 468-474	11	62
85	Separate and concentrate lactic acid using combination of nanofiltration and reverse osmosis membranes. *Applied Biochemistry and Biotechnology*, **2008**, 147, 1-9	3.2	59
84	Comparison of liquid hot water and alkaline pretreatments of giant reed for improved enzymatic digestibility and biogas energy production. *Bioresource Technology*, **2016**, 216, 60-8	11	58
83	Polyols and polyurethane foams from base-catalyzed liquefaction of lignocellulosic biomass by crude glycerol: Effects of crude glycerol impurities. *Industrial Crops and Products*, **2014**, 57, 188-194	5.9	56
82	Effect of hot water extraction and liquid hot water pretreatment on the fungal degradation of biomass feedstocks. *Bioresource Technology*, **2011**, 102, 9788-93	11	56
81	Anaerobic digestion of giant reed for methane production. *Bioresource Technology*, **2014**, 171, 233-9	11	54
80	Effect of limited air exposure and comparative performance between thermophilic and mesophilic solid-state anaerobic digestion of switchgrass. *Bioresource Technology*, **2015**, 180, 296-303	11	51

79	Liquefaction of crop residues for polyol production. *BioResources*, **2006**, 1, 248-256	1.3	49
78	Effects of total ammonia nitrogen concentration on solid-state anaerobic digestion of corn stover. *Bioresource Technology*, **2013**, 144, 281-7	11	47
77	Mathematical modeling of solid-state anaerobic digestion. *Progress in Energy and Combustion Science*, **2015**, 51, 49-66	33.6	46
76	A novel 2,5-furandicarboxylic acid-based bis(cyclic carbonate) for the synthesis of biobased non-isocyanate polyurethanes. *RSC Advances*, **2017**, 7, 37-46	3.7	43
75	Fungal Pretreatment of Albizia Chips for Enhanced Biogas Production by Solid-State Anaerobic Digestion. *Energy & Fuels*, **2015**, 29, 200-204	4.1	43
74	Solid-state anaerobic digestion of fungal pretreated Miscanthus sinensis harvested in two different seasons. *Bioresource Technology*, **2015**, 185, 211-7	11	42
73	Effect of outdoor conditions on Nannochloropsis salina cultivation in artificial seawater using nutrients from anaerobic digestion effluent. *Bioresource Technology*, **2014**, 152, 154-61	11	42
72	Fungal pretreatment of non-sterile miscanthus for enhanced enzymatic hydrolysis. *Bioresource Technology*, **2016**, 203, 118-23	11	40
71	Synthesis and Characterization of Polyols and Polyurethane Foams from PET Waste and Crude Glycerol. *Journal of Polymers and the Environment*, **2014**, 22, 318-328	4.5	39
70	Polyurethane foams based on crude glycerol-derived biopolyols: One-pot preparation of biopolyols with branched fatty acid ester chains and its effects on foam formation and properties. *Polymer*, **2014**, 55, 6529-6538	3.9	39
69	Hydrogen sulfide removal from biogas by bio-based iron sponge. *Biosystems Engineering*, **2013**, 114, 55-58	4.8	39
68	Comparison of digestate from solid anaerobic digesters and dewatered effluent from liquid anaerobic digesters as inocula for solid state anaerobic digestion of yard trimmings. *Bioresource Technology*, **2016**, 200, 753-60	11	39
67	Impact of different ratios of feedstock to liquid anaerobic digestion effluent on the performance and microbiome of solid-state anaerobic digesters digesting corn stover. *Bioresource Technology*, **2016**, 200, 744-52	11	38
66	Biodegradability of crude glycerol-based polyurethane foams during composting, anaerobic digestion and soil incubation. *Polymer Degradation and Stability*, **2014**, 102, 195-203	4.7	38
65	Bio-based Polyols and Polyurethanes. *Springer Briefs in Molecular Science*, **2015**,	0.6	37
64	Comparison of solid-state anaerobic digestion and composting of yard trimmings with effluent from liquid anaerobic digestion. *Bioresource Technology*, **2014**, 169, 439-446	11	37
63	Sequential batch thermophilic solid-state anaerobic digestion of lignocellulosic biomass via recirculating digestate as inoculum - Part II: Microbial diversity and succession. *Bioresource Technology*, **2017**, 241, 1027-1035	11	37
62	Synthesis of tungsten carbide nanoparticles in biochar matrix as a catalyst for dry reforming of methane to syngas. *Catalysis Science and Technology*, **2015**, 5, 3270-3280	5.5	36

61	Comparison of sodium hydroxide and calcium hydroxide pretreatments of giant reed for enhanced enzymatic digestibility and methane production. *Bioresource Technology*, **2017**, 244, 1150-1157	11	36
60	The NAC transcription factor OsSWN1 regulates secondary cell wall development in Oryza sativa **2015**, 58, 44-51		36
59	Comparison of alkaline- and fungi-assisted wet-storage of corn stover. *Bioresource Technology*, **2012**, 109, 98-104	11	35
58	Separation of cells and proteins from fermentation broth using ultrafiltration. *Journal of Food Engineering*, **2006**, 75, 574-580	6	35
57	Biogas energy production from tropical biomass wastes by anaerobic digestion. *Bioresource Technology*, **2014**, 169, 38-44	11	34
56	Integration of Shiitake cultivation and solid-state anaerobic digestion for utilization of woody biomass. *Bioresource Technology*, **2015**, 182, 128-135	11	34
55	Biogas reforming of carbon dioxide to syngas production over Ni-Mg-Al catalysts. *Molecular Catalysis*, **2017**, 436, 248-258	3.3	32
54	Effect of urea addition on giant reed ensilage and subsequent methane production by anaerobic digestion. *Bioresource Technology*, **2015**, 192, 682-8	11	32
53	Cultivation of marine microalgae using shale gas flowback water and anaerobic digestion effluent as the cultivation medium. *Bioresource Technology*, **2015**, 191, 146-56	11	32
52	Biological treatment of organic materials for energy and nutrients production：Anaerobic digestion and composting. *Advances in Bioenergy*, **2019**, 121-181	3.9	31
51	Isolation of a methanotroph from a hydrogen sulfide-rich anaerobic digester for methanol production from biogas. *Process Biochemistry*, **2016**, 51, 838-844	4.8	31
50	Value-added conversion of waste cooking oil and post-consumer PET bottles into biodiesel and polyurethane foams. *Waste Management*, **2016**, 52, 360-6	8.6	31
49	Conversion of Lignocellulosic Biomass Into Platform Chemicals for Biobased Polyurethane Application. *Advances in Bioenergy*, **2018**, 3, 161-213	3.9	30
48	Recent advances of □soft□bio-polycarbonate plastics from carbon dioxide and renewable bio-feedstocks via straightforward and innovative routes. *Journal of CO2 Utilization*, **2019**, 34, 40-52	7.6	28
47	Integration of biological kinetics and computational fluid dynamics to model the growth of Nannochloropsis salina in an open channel raceway. *Biotechnology and Bioengineering*, **2015**, 112, 923-33	4.9	26
46	Comparison of premixing methods for solid-state anaerobic digestion of corn stover. *Bioresource Technology*, **2015**, 175, 430-5	11	26
45	Effect of sucrose on dynamic mechanical characteristics of maize and potato starch films. *Carbohydrate Polymers*, **2009**, 76, 239-243	10.3	25
44	Comparison between ensilage and fungal pretreatment for storage of giant reed and subsequent methane production. *Bioresource Technology*, **2016**, 209, 246-53	11	25

43	Development and evaluation of a trickle bed bioreactor for enhanced mass transfer and methanol production from biogas. *Biochemical Engineering Journal*, **2017**, 122, 103-114	4.2	24
42	Effect of alkaline pretreatment on photo-fermentative hydrogen production from giant reed: Comparison of NaOH and Ca(OH). *Bioresource Technology*, **2020**, 304, 123001	11	24
41	A theoretical derivation of the Contois equation for kinetic modeling of the microbial degradation of insoluble substrates. *Biochemical Engineering Journal*, **2014**, 82, 134-138	4.2	24
40	Synthesis and properties of polyurethane wood adhesives derived from crude glycerol-based polyols. *International Journal of Adhesion and Adhesives*, **2017**, 79, 67-72	3.4	24
39	Bio-polyols synthesized from crude glycerol and applications on polyurethane wood adhesives. *Industrial Crops and Products*, **2017**, 108, 798-805	5.9	24
38	Development of blend films from soy meal protein and crude glycerol-based waterborne polyurethane. *Industrial Crops and Products*, **2015**, 67, 11-17	5.9	24
37	Lactic acid production from cheese whey by immobilized bacteria. *Applied Biochemistry and Biotechnology*, **2005**, 121-124, 529-40	3.2	24
36	Effect of harvest date on Arundo donax L. (giant reed) composition, ensilage performance, and enzymatic digestibility. *Bioresource Technology*, **2016**, 205, 97-103	11	22
35	Lactic Acid Recovery From Cheese Whey Fermentation Broth Using Combined Ultrafiltration and Nanofiltration Membranes. *Applied Biochemistry and Biotechnology*, **2006**, 132, 985-996	3.2	22
34	Co-production of Lactic Acid and Lactobacillus rhamnosus Cells from Whey Permeate with Nutrient Supplements. *Food and Bioprocess Technology*, **2012**, 5, 1278-1286	5.1	18
33	Methanol Production from Biogas with a Thermotolerant Methanotrophic Consortium Isolated from an Anaerobic Digestion System. *Energy & Fuels*, **2017**, 31, 2970-2975	4.1	17
32	Techno-economic analyses of solid-state anaerobic digestion and composting of yard trimmings. *Waste Management*, **2019**, 85, 405-416	8.6	17
31	Synthesis and process optimization of soybean oil-based terminal epoxides for the production of new biodegradable polycarbonates via the intergration of CO2. *Industrial Crops and Products*, **2017**, 99, 34-40	5.9	16
30	Comparative study of changes in composition and structure during sequential fungal pretreatment of non-sterile lignocellulosic feedstocks. *Industrial Crops and Products*, **2019**, 133, 383-394	5.9	16
29	Polyols and Polyurethanes from Vegetable Oils and Their Derivatives. *Springer Briefs in Molecular Science*, **2015**, 15-43	0.6	16
28	Sequential batch thermophilic solid-state anaerobic digestion of lignocellulosic biomass via recirculating digestate as inoculum - Part I: Reactor performance. *Bioresource Technology*, **2017**, 236, 186-193	11	15
27	Thermal, Mechanical, and Morphological Properties of Rigid Crude Glycerol-Based Polyurethane Foams Reinforced With Nanoclay and Microcrystalline Cellulose. *European Journal of Lipid Science and Technology*, **2018**, 120, 1700413	3	15
26	Effect of water content on thermal behaviors of common buckwheat flour and starch. *Journal of Food Engineering*, **2009**, 93, 242-248	6	15

25	Effect of Feedstock Components on Thermophilic Solid-State Anaerobic Digestion of Yard Trimmings. *Energy & Fuels*, **2015**, 29, 3699-3706	4.1	14
24	Phosphorus Removal and Recovery From Anaerobic Digestion Residues. *Advances in Bioenergy*, **2018**, 77-136	3.9	13
23	Enzymatic Digestibility of Corn Stover Fractions in Response to Fungal Pretreatment. *Industrial & Engineering Chemistry Research*, **2012**, 51, 7153-7159	3.9	12
22	Production of polyols and waterborne polyurethane dispersions from biodiesel-derived crude glycerol. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	11
21	Effect of total solids content on giant reed ensilage and subsequent anaerobic digestion. *Process Biochemistry*, **2016**, 51, 73-79	4.8	11
20	Polyols and polyurethane foams from acid-catalyzed biomass liquefaction by crude glycerol: Effects of crude glycerol impurities. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	11
19	Microbial Lactic Acid Production from Renewable Resources **2010**, 211-228		11
18	Advanced Product Recovery Technologies331-345		11
17	Sustainable Approach for the Synthesis of Biopolycarbonates from Carbon Dioxide and Soybean Oil. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 9014-9022	8.3	10
16	Innovative sustainable conversion from CO2 and biodiesel-based crude glycerol waste to bio-based polycarbonates. *Journal of CO2 Utilization*, **2019**, 34, 198-206	7.6	9
15	Corrosion Protection Studies of Crude Glycerol-Based Waterborne Polyurethane Coating on Steel Substrate. *Journal of the Electrochemical Society*, **2016**, 163, C54-C61	3.9	9
14	Fractal-like kinetics of the solid-state anaerobic digestion. *Waste Management*, **2016**, 53, 55-61	8.6	9
13	Concentration of ammoniacal nitrogen in effluent from wet scrubbers using reverse osmosis membrane. *Biosystems Engineering*, **2011**, 109, 235-240	4.8	8
12	Recovery of failed solid-state anaerobic digesters. *Bioresource Technology*, **2016**, 214, 866-870	11	8
11	Effects of outdoor dry bale storage conditions on corn stover and the subsequent biogas production from anaerobic digestion. *Renewable Energy*, **2019**, 134, 276-283	8.1	5
10	Introduction to Bio-based Polyols and Polyurethanes. *Springer Briefs in Molecular Science*, **2015**, 1-13	0.6	4
9	Anaerobic Digestion of Food Waste for Bioenergy Production **2019**, 530-537		3
8	Bio-based polycarbonates from renewable feedstocks and carbon dioxide. *Advances in Bioenergy*, **2019**, 183-208	3.9	2

7	Lignocellulosic Biomass-Based Polyols for Polyurethane Applications. *Springer Briefs in Molecular Science*, **2015**, 45-64	0.6	1
6	Polyols and Polyurethanes from Protein-Based Feedstocks. *Springer Briefs in Molecular Science*, **2015**, 65-79	0.6	1
5	Solid-State Biological Pretreatment of Lignocellulosic Biomass. *Springer Briefs in Molecular Science*, **2013**, 67-86	0.6	1
4	Production of Value-Added Products by Lactic Acid Bacteria **2010**, 421-435		1
3	Integration of algae cultivation to anaerobic digestion for biofuel and bioenergy production. *Advances in Bioenergy*, **2021**, 199-300	3.9	1
2	Multi-criteria assessment of food waste and waste paper anaerobic co-digestion: Effects of inoculation ratio, total solids content, and feedstock composition. *Renewable Energy*, **2022**, 194, 40-50	8.1	0
1	The application of the fractal-like kinetics to solid-state anaerobic digestion. *Proceedings of the Water Environment Federation*, **2016**, 2016, 46-54		