Fuqing Xu

List of Publications by Citations

30 papers	2,601 citations	19 h-index	30 g-index
30 ext. papers	3,025 ext. citations	11.1 avg, IF	5.62 L-index

#	Paper	IF	Citations
30	Pretreatment of lignocellulosic biomass for enhanced biogas production. *Progress in Energy and Combustion Science*, **2014**, 42, 35-53	33.6	828
29	Anaerobic digestion of food waste - Challenges and opportunities. *Bioresource Technology*, **2018**, 247, 1047-1058	11	396
28	Challenges and strategies for solid-state anaerobic digestion of lignocellulosic biomass. *Renewable and Sustainable Energy Reviews*, **2015**, 44, 824-834	16.2	238
27	Solid-state anaerobic digestion of lignocellulosic biomass: Recent progress and perspectives. *Bioresource Technology*, **2016**, 205, 239-49	11	162
26	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
25	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
24	Solid-state anaerobic co-digestion of hay and soybean processing waste for biogas production. *Bioresource Technology*, **2014**, 154, 240-7	11	82
23	Solid-state co-digestion of expired dog food and corn stover for methane production. *Bioresource Technology*, **2012**, 118, 219-26	11	81
22	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
21	Giant reed: A competitive energy crop in comparison with miscanthus. *Renewable and Sustainable Energy Reviews*, **2016**, 54, 350-362	16.2	70
20	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
19	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
18	Reactor performance and energy analysis of solid state anaerobic co-digestion of dairy manure with corn stover and tomato residues. *Waste Management*, **2018**, 73, 130-139	8.6	50
17	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
16	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
15	Reactor performance and economic evaluation of anaerobic co-digestion of dairy manure with corn stover and tomato residues under liquid, hemi-solid, and solid state conditions. *Bioresource Technology*, **2018**, 270, 103-112	11	28
14	Comparison between ensilage and fungal pretreatment for storage of giant reed and subsequent methane production. *Bioresource Technology*, **2016**, 209, 246-53	11	25

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13	Effect of inoculum and substrate/inoculum ratio on the performance and methanogenic archaeal community structure in solid state anaerobic co-digestion of tomato residues with dairy manure and corn stover. *Waste Management*, **2018**, 81, 117-127	8.6	25
12	Liquid hot water pretreatment to enhance the anaerobic digestion of wheat straw-effects of temperature and retention time. *Environmental Science and Pollution Research*, **2019**, 26, 29424-29434	5.1	19
11	Evaluation of ammonia recovery from swine wastewater via a innovative spraying technology. *Bioresource Technology*, **2019**, 272, 235-240	11	18
10	Effects of temperature and inoculation ratio on methane production and nutrient solubility of swine manure anaerobic digestion. *Bioresource Technology*, **2020**, 299, 122552	11	14
9	Life cycle assessment of bio-based levoglucosan production from cotton straw through fast pyrolysis. *Bioresource Technology*, **2020**, 307, 123179	11	11
8	Fractal-like kinetics of the solid-state anaerobic digestion. *Waste Management*, **2016**, 53, 55-61	8.6	9
7	Environmental Assessment of a Hybrid Solar-Biomass Energy Supplying System: A Case Study. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	8
6	Life cycle assessment of the integration of anaerobic digestion and pyrolysis for treatment of municipal solid waste. *Bioresource Technology*, **2021**, 338, 125486	11	8
5	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
4	Anaerobic Soil Disinfestation Reduces Viability of and Sclerotia and Root-Knot Nematodes in Muck Soils. *Phytopathology*, **2020**, 110, 795-804	3.8	3
3	Ecological risk assessment of toxic metal(loid)s for land application of sewage sludge in China.. *Science of the Total Environment*, **2022**, 836, 155549	10.2	1
2	The application of the fractal-like kinetics to solid-state anaerobic digestion. *Proceedings of the Water Environment Federation*, **2016**, 2016, 46-54		
1	Effects of different conditions tested in vitro on the phosphorus runoff potential of livestock manure. *Waste Management*, **2022**, 147, 30-35	8.6	