

# Xiayuan Wu

## List of Publications by Year in descending order

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21  
papers

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623734

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	N-acyl-homoserine lactones in extracellular polymeric substances from sludge for enhanced chloramphenicol-degrading anode biofilm formation in microbial fuel cells. <i>Environmental Research</i> , 2022, 207, 112649.	7.5	19
2	The fate of anaerobic syntrophy in anaerobic digestion facing propionate and acetate accumulation. <i>Waste Management</i> , 2021, 124, 128-135.	7.4	11
3	Anaerobic biodegradation of pyrene by <i>Klebsiella</i> sp. LZ6 and its proposed metabolic pathway. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2130-2139.	2.2	25
4	Effects of amino-modified biofilm carriers on biogas production in the anaerobic digestion of corn straw. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2806-2816.	2.2	4
5	Temperature regulations impose positive influence on the biomethane potential versus digesting modes treating agricultural residues. <i>Bioresource Technology</i> , 2020, 301, 122747.	9.6	6
6	Odor emission and microbial community succession during biogas residue composting covered with a molecular membrane. <i>Bioresource Technology</i> , 2020, 297, 122518.	9.6	93
7	Effects of copper salts on performance, antibiotic resistance genes, and microbial community during thermophilic anaerobic digestion of swine manure. <i>Bioresource Technology</i> , 2020, 300, 122728.	9.6	53
8	Biosynthesized iron sulfide nanoparticles by mixed consortia for enhanced extracellular electron transfer in a microbial fuel cell. <i>Bioresource Technology</i> , 2020, 318, 124095.	9.6	44
9	Positive effects of concomitant heavy metals and their redox states on hexavalent chromium removal in microbial fuel cells. <i>RSC Advances</i> , 2020, 10, 15107-15115.	3.6	11
10	Effect of one step temperature increment from mesophilic to thermophilic anaerobic digestion on the linked pattern between bacterial and methanogenic communities. <i>Bioresource Technology</i> , 2019, 292, 121968.	9.6	19
11	Biogas Production and Microbial Community Dynamics during the Anaerobic Digestion of Rice Straw at 39±50 °C: A Pilot Study. <i>Energy &amp; Fuels</i> , 2018, 32, 5157-5163.	5.1	30
12	A Facultative Electroactive Chromium(VI)-Reducing Bacterium Aerobically Isolated From a Biocathode Microbial Fuel Cell. <i>Frontiers in Microbiology</i> , 2018, 9, 2883.	3.5	21
13	Anode modification by biogenic gold nanoparticles for the improved performance of microbial fuel cells and microbial community shift. <i>Bioresource Technology</i> , 2018, 270, 11-19.	9.6	77
14	Metal transport protein 8 in <i>Camellia sinensis</i> confers superior manganese tolerance when expressed in yeast and <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2017, 7, 39915.	3.3	32
15	$\gamma$ -Aminobutyric Acid (GABA) Accumulation in Tea ( <i>Camellia sinensis</i> L.) through the GABA Shunt and Polyamine Degradation Pathways under Anoxia. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3013-3018.	5.2	74
16	Effect of MWCNT-modified graphite felts on hexavalent chromium removal in biocathode microbial fuel cells. <i>RSC Advances</i> , 2017, 7, 53932-53940.	3.6	12
17	Effects of different carriers on biogas production and microbial community structure during anaerobic digestion of cassava ethanol wastewater. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2253-2262.	2.2	7
18	Effect of NaX zeolite-modified graphite felts on hexavalent chromium removal in biocathode microbial fuel cells. <i>Journal of Hazardous Materials</i> , 2016, 308, 303-311.	12.4	50

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19	Genome sequence of a microbial lipid producing fungus <i>Cryptococcus albidus</i> NT2002. <i>Journal of Biotechnology</i> , 2016, 223, 6-7.	3.8	4
20	Biogas production and microbial community shift through neutral pH control during the anaerobic digestion of pig manure. <i>Bioresource Technology</i> , 2016, 217, 44-49.	9.6	99
21	Effect of acclimatization on hexavalent chromium reduction in a biocathode microbial fuel cell. <i>Bioresource Technology</i> , 2015, 180, 185-191.	9.6	96