Tanbin

List of Publications by Year
in descending order

36 papers	**720** citations	567281 **15** h-index	552781 **26** g-index
36 all docs	**36** docs citations	**36** times ranked	**515** citing authors

#	Article	IF	Citations
1	Preparation, characterization and application of activated carbon from corn cob by KOH activation for removal of Hg(II) from aqueous solution. Bioresource Technology, 2020, 306, 123154.	9.6	105
2	Adsorption of Hg(II) in an Aqueous Solution by Activated Carbon Prepared from Rice Husk Using KOH Activation. ACS Omega, 2020, 5, 29231-29242.	3.5	56
3	Evaluation of methane production and energy conversion from corn stalk using furfural wastewater pretreatment for whole slurry anaerobic co-digestion. Bioresource Technology, 2019, 293, 121962.	9.6	48
4	16S rRNA genes- and metagenome-based confirmation of syntrophic butyrate-oxidizing methanogenesis enriched in high butyrate loading. Bioresource Technology, 2022, 345, 126483.	9.6	48
5	Furfural wastewater pretreatment of corn stalk for whole slurry anaerobic co-digestion to improve methane production. Science of the Total Environment, 2019, 674, 49-57.	8.0	45
6	Effect of different aerobic hydrolysis time on the anaerobic digestion characteristics and energy consumption analysis. Bioresource Technology, 2021, 320, 124332.	9.6	36
7	Enhancing photo-fermentation biohydrogen production by strengthening the beneficial metabolic products with catalysts. Journal of Cleaner Production, 2021, 317, 128437.	9.3	35
8	One-pot pyrolysis route to FeâˆˊN-Doped carbon nanosheets with outstanding electrochemical performance as cathode materials for microbial fuel cell. International Journal of Agricultural and Biological Engineering, 2020, 13, 207-214.	0.6	35
9	Bioaugmentation improves batch psychrophilic anaerobic co-digestion of cattle manure and corn straw. Bioresource Technology, 2022, 343, 126118.	9.6	33
10	Optimization of mixing ratio of ammoniated rice straw and food waste co-digestion and impact of trace element supplementation on biogas production. Journal of Material Cycles and Waste Management, 2018, 20, 745-753.	3.0	32
11	Studies on the degradation of corn straw by combined bacterial cultures. Bioresource Technology, 2021, 320, 124174.	9.6	29
12	Biochemical methane potential prediction for mixed feedstocks of straw and manure in anaerobic co-digestion. Bioresource Technology, 2021, 326, 124745.	9.6	29
13	Rapid determination of lignocellulose in corn stover based on near-infrared reflectance spectroscopy and chemometrics methods. Bioresource Technology, 2021, 321, 124449.	9.6	26
14	A delicate method for the synthesis of high-efficiency Hg (II) The adsorbents based on biochar from corn straw biogas residue. Journal of Cleaner Production, 2022, 355, 131819.	9.3	24
15	Anaerobic digestion of corn straw pretreated by ultrasonic combined with aerobic hydrolysis. Bioresource Technology, 2021, 341, 125826.	9.6	22
16	Interactive Effects of Grafting Techniques and Scion-Rootstocks Combinations on Vegetative Growth, Yield and Quality of Cucumber (Cucumis sativus L.). Agronomy, 2019, 9, 288.	3.0	16
17	Improved energy utilization efficiency via adding solar radiant heating mode for traditional bioreactor to dispose straw: Experimental and numerical evaluation. Waste Management, 2019, 89, 303-312.	7.4	15
18	Digestion Performance and Microbial Metabolic Mechanism in Thermophilic and Mesophilic Anaerobic Digesters Exposed to Elevated Loadings of Organic Fraction of Municipal Solid Waste. Energies, 2018, 11, 952.	3.1	13

#	Article	IF	Citations
19	Rapid Determination of Cellulose and Hemicellulose Contents in Corn Stover Using Near-Infrared Spectroscopy Combined with Wavelength Selection. Molecules, 2022, 27, 3373.	3.8	13
20	Effect of compost and chemical fertilizer application on soil physical properties and productivity of sesame (Sesamum Indicum L.). Biomass Conversion and Biorefinery, 2023, 13, 905-915.	4.6	12
21	Effect of Particle Size on the Aerobic and Anaerobic Digestion Characteristics of Whole Rice Straw. Energies, 2021, 14, 3960.	3.1	9
22	Enhanced biomethane production by 2-stage anaerobic co-digestion of animal manure with pretreated organic waste. Biomass Conversion and Biorefinery, 2023, 13, 2833-2847.	4.6	7
23	Quantifying the effects of co-composting organic biomass mixtures with inorganic amendments to obtain value-added bio-products. PLoS ONE, 2021, 16, e0253714.	2.5	6
24	Design of Micro Wireless Network Measurement and Control Server Based on ARM and &#956;C/OS-II. , 2006, , .		5
25	Influence of particle scattering on photo biochemical transformation process of direct absorption methane digester. Bioresource Technology, 2021, 321, 124460.	9.6	5
26	Selective conversion of corncob hemicellulose to xylose via hydrothermal treatment with Fe2(SO4)3 and NaCl. Biomass Conversion and Biorefinery, 2023, 13, 1231-1240.	4.6	4
27	Key techniques and parameters for briquetting corn stover sprayed with biogas slurry in a cold region in China. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1219-1235.	2.3	3
28	Investigating the Effects of Aerobic Hydrolysis on Scum Layer Formation during the Anaerobic Digestion of Corn Stalk Particles. Sustainability, 2022, 14, 6497.	3.2	3
29	Fault Locating Arithmetic for Multi-Source Network Cluster Nodes Based on Comparison. , 2008, , .		2
30	Location Discovery and Error Analysis of Wireless Sensor Networks Based on Difference of Arrival Time of Beacon Signals. , 2007, , .		1
31	Assessing the Performance Effects of Dairy Farm Wastewater by Subsurface Constructed Wetland. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
32	Performance Evaluation of a Water Seed Drill. Sustainability, 2019, 11, 137.	3.2	1
33	Mechanism of Electron Acceptor Promoting Propionic Acid Transformation in Anaerobic Fermentation. Energies, 2022, 15, 3947.	3.1	1
34	Research on Spatial-Temporal Information Fusion System for Sensor Networks Node Cluster. , 2006, , .		0
35	Calibration Model of the Output Characteristic for Sensor Nodes Based on CMAC Neural Network. , 2008, , .		0
36	Dynamic non-average-slot MAC layer protocol for wireless sensor networks. , 2010, , .		0