

# Husen Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

4,767  
citations

257101

24  
h-index

414034

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

7161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human gut microbiota in obesity and after gastric bypass. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2365-2370.	3.3	1,641
2	Gut Microbiota and Its Possible Relationship With Obesity. Mayo Clinic Proceedings, 2008, 83, 460-469.	1.4	499
3	Dynamics of Gut Microbiota in Autoimmune Lupus. Applied and Environmental Microbiology, 2014, 80, 7551-7560.	1.4	250
4	Control of lupus nephritis by changes of gut microbiota. Microbiome, 2017, 5, 73.	4.9	245
5	Biological hydrogen production by Clostridium acetobutylicum in an unsaturated flow reactor. Water Research, 2006, 40, 728-734.	5.3	214
6	Host adaptive immunity alters gut microbiota. ISME Journal, 2015, 9, 770-781.	4.4	198
7	Nitrogen removal by granular nitrification-anammox in an upflow membrane-aerated biofilm reactor. Water Research, 2016, 94, 23-31.	5.3	158
8	Microbial community structure in a biofilm anode fed with a fermentable substrate: The significance of hydrogen scavengers. Biotechnology and Bioengineering, 2010, 105, 69-78.	1.7	148
9	Methods for understanding microbial community structures and functions in microbial fuel cells: A review. Bioresource Technology, 2014, 171, 461-468.	4.8	145
10	Kinetics of Perchlorate- and Chlorate-Respiring Bacteria. Applied and Environmental Microbiology, 2001, 67, 2499-2506.	1.4	134
11	Focused-Pulsed sludge pre-treatment increases the bacterial diversity and relative abundance of acetoclastic methanogens in a full-scale anaerobic digester. Water Research, 2009, 43, 4517-4526.	5.3	126
12	SLE: Another Autoimmune Disorder Influenced by Microbes and Diet?. Frontiers in Immunology, 2015, 6, 608.	2.2	112
13	Full-scale application of focused-pulsed pre-treatment for improving biosolids digestion and conversion to methane. Water Science and Technology, 2008, 58, 1895-1901.	1.2	96
14	H <sub>2</sub> -Producing bacterial communities from a heat-treated soil inoculum. Applied Microbiology and Biotechnology, 2004, 66, 166-173.	1.7	92
15	Perchlorate reduction by a novel chemolithoautotrophic, hydrogen-oxidizing bacterium. Environmental Microbiology, 2002, 4, 570-576.	1.8	89
16	Lead Toxicity to the Performance, Viability, And Community Composition of Activated Sludge Microorganisms. Environmental Science & Technology, 2015, 49, 824-830.	4.6	80
17	Persistence of Perchlorate and the Relative Numbers of Perchlorate- and Chlorate-Respiring Microorganisms in Natural Waters, Soils, and Wastewater. Bioremediation Journal, 2001, 5, 119-130.	1.0	67
18	Methanogens in Human Health and Disease. American Journal of Gastroenterology Supplements (Print), 2012, 1, 28-33.	0.7	64

#	ARTICLE	IF	CITATIONS
19	Rapid change of fecal microbiome and disappearance of <i>Clostridium difficile</i> in a colonized infant after transition from breast milk to cow milk. <i>Microbiome</i> , 2016, 4, 53.	4.9	59
20	An electron flow model can predict complex redox reactions in mixed culture fermentative BioH <sub>2</sub> : Microbial ecology evidence. <i>Biotechnology and Bioengineering</i> , 2009, 104, 687-697.	1.7	53
21	Hydrogen production by <i>Clostridium acetobutylicum</i> ATCC 824 and megaplasmid-deficient mutant M5 evaluated using a large headspace volume technique. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9347-9353.	3.8	51
22	Effect of Dechlorination and Sulfate Reduction on the Microbial Community Structure in Denitrifying Membrane-Biofilm Reactors. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5159-5164.	4.6	50
23	Probiotics and virulent human rotavirus modulate the transplanted human gut microbiota in gnotobiotic pigs. <i>Gut Pathogens</i> , 2014, 6, 39.	1.6	49
24	Organic loading rates affect composition of soil-derived bacterial communities during continuous, fermentative biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 6566-6576.	3.8	33
25	Photobiodegradation of phenol with ultraviolet irradiation of new ceramic biofilm carriers. <i>Biodegradation</i> , 2010, 21, 881-887.	1.5	25
26	Integrating High-Throughput Pyrosequencing and Quantitative Real-Time PCR to Analyze Complex Microbial Communities. <i>Methods in Molecular Biology</i> , 2011, 733, 107-128.	0.4	22
27	Cutting Edge: Plasmacytoid Dendritic Cells in Late-Stage Lupus Mice Defective in Producing IFN- $\gamma$ . <i>Journal of Immunology</i> , 2015, 195, 4578-4582.	0.4	18
28	Phylogenetic and Metagenomic Analyses of Substrate-Dependent Bacterial Temporal Dynamics in Microbial Fuel Cells. <i>PLoS ONE</i> , 2014, 9, e107460.	1.1	16
29	Control of commensal microbiota by the adaptive immune system. <i>Gut Microbes</i> , 2015, 6, 156-160.	4.3	15
30	Aerobic and anaerobic microbial degradation of crude (4-methylcyclohexyl)methanol in river sediments. <i>Science of the Total Environment</i> , 2016, 547, 78-86.	3.9	10
31	Degradation of cis - and trans -(4-methylcyclohexyl) methanol in activated sludge. <i>Journal of Hazardous Materials</i> , 2016, 306, 247-256.	6.5	5
32	Using pyrosequencing and quantitative PCR to analyze microbial communities. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 21-27.	0.8	3