

# Hui Cao

## List of Publications by Year in descending order

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26  
papers

593  
citations

687363

13  
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642732

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29  
docs citations

29  
times ranked

614  
citing authors

#	ARTICLE	IF	CITATIONS
1	A predatory myxobacterium controls cucumber Fusarium wilt by regulating the soil microbial community. <i>Microbiome</i> , 2020, 8, 49.	11.1	87
2	Isolation and characterization of 3,5,6-trichloro-2-pyridinol-degrading <i>Ralstonia</i> sp. strain T6. <i>Bioresource Technology</i> , 2010, 101, 7479-7483.	9.6	85
3	Cloning and functional characterization of a novel endo- $\beta$ -1,4-glucanase gene from a soil-derived metagenomic library. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 1083-1092.	3.6	65
4	A novel outer membrane $\beta$ -1,6-glucanase is deployed in the predation of fungi by myxobacteria. <i>ISME Journal</i> , 2019, 13, 2223-2235.	9.8	57
5	Biocidal effects of volatile organic compounds produced by the myxobacterium <i>Corrallococcus</i> sp. EGB against fungal phytopathogens. <i>Food Microbiology</i> , 2020, 91, 103502.	4.2	32
6	Anaerobic biodegradation of acetochlor by acclimated sludge and its anaerobic catabolic pathway. <i>Science of the Total Environment</i> , 2020, 748, 141122.	8.0	31
7	Impact of tillage practices on soil bacterial diversity and composition under the tobacco-rice rotation in China. <i>Journal of Microbiology</i> , 2017, 55, 349-356.	2.8	28
8	Variations in bacterial taxonomic profiles and potential functions in response to the gut transit of earthworms ( <i>Eisenia fetida</i> ) feeding on cow manure. <i>Science of the Total Environment</i> , 2021, 787, 147392.	8.0	27
9	Analysis of nifH gene diversity in red soil amended with manure in Jiangxi, south China. <i>Journal of Microbiology</i> , 2009, 47, 135-141.	2.8	20
10	Novel Gene Clusters and Metabolic Pathway Involved in 3,5,6-Trichloro-2-Pyridinol Degradation by <i>Ralstonia</i> sp. Strain T6. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7445-7453.	3.1	17
11	Nutritional Composition of Three Domesticated Culinary-Medicinal Mushrooms: <i>Oudemansiella sudmuseda</i> , <i>Lentinus squarrosulus</i> , and <i>Tremella aurantialba</i> . <i>International Journal of Medicinal Mushrooms</i> , 2015, 17, 43-49.	1.5	17
12	Functional Analysis of a Novel $\beta$ -(1,3)-Glucanase from <i>Corrallococcus</i> sp. Strain EGB Containing a Fascin-Like Module. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	16
13	Metagenome complexity and template length are the main causes of bias in PCR-based bacteria community analysis. <i>Journal of Basic Microbiology</i> , 2018, 58, 987-997.	3.3	16
14	Succession of bacterial community composition in coastal agricultural soils along a 1000-year reclamation chronosequence in Hangzhou Bay, China. <i>Ecological Indicators</i> , 2021, 121, 106972.	6.3	14
15	<i>Mucilaginibacter yixingensis</i> sp. nov., isolated from vegetable soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 1779-1784.	1.7	12
16	Distribution and Assembly Processes of Soil Fungal Communities along an Altitudinal Gradient in Tibetan Plateau. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1082.	3.5	11
17	Distribution characteristics and diversities of cbb and coxL genes in paddy soil profiles from southern China. <i>Pedosphere</i> , 2021, 31, 954-963.	4.0	10
18	Yeast $\beta$ -1,3-glucan production by an outer membrane $\beta$ -1,6-glucanase: process optimization, structural characterization and immunomodulatory activity. <i>Food and Function</i> , 2022, 13, 3917-3930.	4.6	9

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19	A debranching enzyme IsoM of <i>Corallococcus</i> sp. strain EGB with potential in starch processing. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1300-1309.	7.5	8
20	Response of soil microbiome structure and its network profiles to four soil amendments in monocropping strawberry greenhouse. <i>PLoS ONE</i> , 2021, 16, e0245180.	2.5	7
21	Fe(II) Addition Drives Soil Bacterial Co-Occurrence Patterns and Functions Mediated by Anaerobic and Chemoautotrophic Taxa. <i>Microorganisms</i> , 2022, 10, 547.	3.6	6
22	Simultaneous Determination of 13 Organic Acids in Liquid Culture Media of Edible Fungi Using High-Performance Liquid Chromatography. <i>BioMed Research International</i> , 2020, 2020, 1-7.	1.9	5
23	Long-term nitrogen fertilization shaped the <i>nifH</i> , <i>nirK</i> , and <i>nosZ</i> gene community patterns in red paddy soil in south China. <i>Canadian Journal of Microbiology</i> , 2021, 67, 310-322.	1.7	5
24	Roles of the Gentisate 1,2-Dioxygenases DsmD and GtdA in the Catabolism of the Herbicide Dicamba in <i>Rhizorhabdus dicambivorans</i> Ndbn-20. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9287-9298.	5.2	4
25	Identification of Volatile Organic Compounds Produced by <i>Xenorhabdus indica</i> Strain AB and Investigation of Their Antifungal Activities. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	3
26	Response of Fungal Sub-Communities in a Maize-Wheat Rotation Field Subjected to Long-Term Conservation Tillage Management. <i>Frontiers in Microbiology</i> , 2022, 13, 829152.	3.5	1