

# Hongyuhang Ni

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

620  
citations

516710

16  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

670  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel biosensor for p-nitrophenol based on an aerobic anode microbial fuel cell. <i>Biosensors and Bioelectronics</i> , 2016, 85, 860-868.	10.1	73
2	Determination of the inhibitory concentration level of fat, oil, and grease (FOG) towards bacterial and archaeal communities in anaerobic digestion. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 110032.	16.4	44
3	A novel biosensor for zinc detection based on microbial fuel cell system. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111763.	10.1	38
4	Immobilized-microbial bioaugmentation protects aerobic denitrification from heavy metal shock in an activated-sludge reactor. <i>Bioresource Technology</i> , 2020, 307, 123185.	9.6	37
5	Smart All-in-One Thermometer-Heater Nanoprobe Based on Postsynthetic Functionalization of a Eu(III)-Metal-Organic Framework. <i>Analytical Chemistry</i> , 2019, 91, 5225-5234.	6.5	36
6	Using <i>Aspergillus niger</i> whole-cell biocatalyst mycelial aerobic granular sludge to treat pharmaceutical wastewater containing $\beta$ -lactam antibiotics. <i>Chemical Engineering Journal</i> , 2021, 412, 128665.	12.7	30
7	Micro-aeration in anode chamber promotes p-nitrophenol degradation and electricity generation in microbial fuel cell. <i>Bioresource Technology</i> , 2019, 285, 121291.	9.6	28
8	Global transcriptome analysis of hexavalent chromium stress responses in <i>Staphylococcus aureus</i> LZ-01. <i>Ecotoxicology</i> , 2014, 23, 1534-1545.	2.4	27
9	Pretreatment of swine manure containing $\beta$ -lactam antibiotics with whole-cell biocatalyst to improve biogas production. <i>Journal of Cleaner Production</i> , 2019, 240, 118070.	9.3	27
10	Hg <sup>2+</sup> -binding peptide decreases mercury ion accumulation in fish through a cell surface display system. <i>Science of the Total Environment</i> , 2019, 659, 540-547.	8.0	27
11	Reducing methylmercury accumulation in fish using <i>Escherichia coli</i> with surface-displayed methylmercury-binding peptides. <i>Journal of Hazardous Materials</i> , 2019, 367, 35-42.	12.4	25
12	Reducing residual antibiotic levels in animal feces using intestinal <i>Escherichia coli</i> with surface-displayed erythromycin esterase. <i>Journal of Hazardous Materials</i> , 2020, 388, 122032.	12.4	24
13	Enhanced performance of sediment microbial fuel cell by immobilization of <i>Shewanella oneidensis</i> MR-1 on an anode surface. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10091-10101.	7.1	22
14	Evaluation of animal- and plant-based lipidic waste in anaerobic digestion: kinetics of long-chain fatty acids degradation. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 733-749.	9.0	22
15	Exploring novel Cr(VI) remediation genes for Cr(VI)-contaminated industrial wastewater treatment by comparative metatranscriptomics and metagenomics. <i>Science of the Total Environment</i> , 2020, 742, 140435.	8.0	21
16	Thioredoxin is involved in hexavalent chromium reduction in <i>Streptomyces violaceoruber</i> strain LZ-26-1 isolated from the Lanzhou reaches of the Yellow River. <i>International Biodeterioration and Biodegradation</i> , 2014, 94, 146-151.	3.9	19
17	Microalgae-assisted microbial fuel cells for electricity generation coupled with wastewater treatment: Biotechnological perspective. <i>Journal of Water Process Engineering</i> , 2022, 49, 102966.	5.6	17
18	Feed-additive of bioengineering strain with surface-displayed laccase degrades sulfadiazine in broiler manure and maintains intestinal flora structure. <i>Journal of Hazardous Materials</i> , 2021, 406, 124440.	12.4	16

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19	A copper-specific microbial fuel cell biosensor based on riboflavin biosynthesis of engineered <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2021, 118, 210-222.	3.3	16
20	A novel electrochemical biosensor for bisphenol A detection based on engineered <i>Escherichia coli</i> cells with a surface-display of tyrosinase. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131063.	7.8	14
21	Smart nanoprobe based on two-photon sensitized terbium-carbon dots for dual-mode fluorescence thermometer and antibacterial. <i>Chinese Chemical Letters</i> , 2020, 31, 1792-1796.	9.0	13
22	<i>Bacillus velezensis</i> EEAM 10B Strengthens Nutrient Metabolic Process in Black Soldier Fly Larvae ( <i>Hermetia illucens</i> ) via Changing Gut Microbiome and Metabolic Pathways. <i>Frontiers in Nutrition</i> , 2022, 9, .	3.7	11
23	Nanofibrils in 3D aligned channel arrays with synergistic effect of Ag/NPs for rapid and highly efficient electric field disinfection. <i>Chinese Chemical Letters</i> , 2021, 32, 3143-3148.	9.0	8
24	Bioaugmentation improves the anaerobic co-digestion of cadmium-containing plant residues and cow manure. <i>Environmental Pollution</i> , 2021, 289, 117885.	7.5	8
25	Development of an innovative MFC-biosensor for real-time monitoring of anaerobic digestion for biogas production: Controlled substrate feeding strategy. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106703.	6.7	6
26	A Siderophore-Encoding Plasmid Encodes High-Level Virulence in <i>Escherichia coli</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	5
27	Improving selenium accumulation in broilers using <i>Escherichia coli</i> Nissle 1917 with surface-displayed selenite reductase SerV01. <i>Food and Function</i> , 2022, 13, 4537-4550.	4.6	3
28	Gut Remediation: Back to the Future. , 2020, , 199-217.		2
29	Wood carbon electrode in microbial fuel cell enhances chromium reduction and bioelectricity generation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 13709-13719.	5.3	1
30	A novel clinical therapy to combat infections caused by Hypervirulent Carbapenem-Resistant <i>Klebsiella pneumoniae</i> . <i>Journal of Infection</i> , 2022, , .	3.3	0