

# Nan Peng

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,242

citations

21

h-index

34

g-index

65

ext. papers

1,680

ext. citations

6.3

avg, IF

4.54

L-index

#	Paper	IF	Citations
62	Harnessing Type I and Type III CRISPR-Cas systems for genome editing. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, e34	20.1	117
61	High-titer lactic acid production from NaOH-pretreated corn stover by <i>Bacillus coagulans</i> LA204 using fed-batch simultaneous saccharification and fermentation under non-sterile condition. <i>Bioresource Technology</i> , <b>2015</b> , 182, 251-257	11	71
60	A synthetic arabinose-inducible promoter confers high levels of recombinant protein expression in hyperthermophilic archaeon <i>Sulfolobus islandicus</i> . <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 5630-7	4.8	69
59	An upstream activation element exerting differential transcriptional activation on an archaeal promoter. <i>Molecular Microbiology</i> , <b>2009</b> , 74, 928-39	4.1	64
58	High-titer lactic acid production by <i>Lactobacillus pentosus</i> FL0421 from corn stover using fed-batch simultaneous saccharification and fermentation. <i>Bioresource Technology</i> , <b>2016</b> , 214, 74-80	11	58
57	Diversity and Contributions to Nitrogen Cycling and Carbon Fixation of Soil Salinity Shaped Microbial Communities in Tarim Basin. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 431	5.7	55
56	A novel polysaccharide from mycelia of cultured <i>Phellinus linteus</i> displays antitumor activity through apoptosis. <i>Carbohydrate Polymers</i> , <b>2015</b> , 124, 90-7	10.3	51
55	A type III-B CRISPR-Cas effector complex mediating massive target DNA destruction. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 1983-1993	20.1	51
54	Archaeal extrachromosomal genetic elements. <i>Microbiology and Molecular Biology Reviews</i> , <b>2015</b> , 79, 117-52	13.2	45
53	Transcriptional regulator-mediated activation of adaptation genes triggers CRISPR de novo spacer acquisition. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, 1044-55	20.1	45
52	Coupling transcriptional activation of CRISPR-Cas system and DNA repair genes by Csa3a in <i>Sulfolobus islandicus</i> . <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 8978-8992	20.1	42
51	Genetic determinants of PAM-dependent DNA targeting and pre-crRNA processing in <i>Sulfolobus islandicus</i> . <i>RNA Biology</i> , <b>2013</b> , 10, 738-48	4.8	42
50	Genetic technologies for extremely thermophilic microorganisms of <i>Sulfolobus</i> , the only genetically tractable genus of crenarchaea. <i>Science China Life Sciences</i> , <b>2017</b> , 60, 370-385	8.5	39
49	Low molecular weight chitosan is an effective antifungal agent against <i>Botryosphaeria</i> sp. and preservative agent for pear ( <i>Pyrus</i> ) fruits. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 95, 1135-1143	7.9	33
48	Dietary <i>Enterococcus faecalis</i> LAB31 improves growth performance, reduces diarrhea, and increases fecal <i>Lactobacillus</i> number of weaned piglets. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116635	3.7	32
47	Purification and Identification of Antioxidant Peptides from Enzymatic Hydrolysate of <i>Spirulina platensis</i> . <i>Journal of Microbiology and Biotechnology</i> , <b>2016</b> , 26, 1216-23	3.3	31
46	Endogenous CRISPR-Cas System-Based Genome Editing and Antimicrobials: Review and Prospects. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2471	5.7	24

45	Effects of a probiotic ( <i>Bacillus subtilis</i> FY99-01) on the bacterial community structure and composition of shrimp ( <i>Litopenaeus vannamei</i> , Boone) culture water assessed by denaturing gradient gel electrophoresis and high-throughput sequencing. <i>Aquaculture Research</i> , <b>2016</b> , 47, 857-869	1.9	24
44	Comparison of high-titer lactic acid fermentation from NaOH- and NH <sub>4</sub> -HO-pretreated corncob by <i>Bacillus coagulans</i> using simultaneous saccharification and fermentation. <i>Scientific Reports</i> , <b>2016</b> , 6, 37245	4.9	23
43	Changes in microbial community during fermentation of high-temperature Daqu used in the production of Chinese Baiyunbian liquor. <i>Journal of the Institute of Brewing</i> , <b>2017</b> , 123, 594-599	2	22
42	Single-cell Protein and Xylitol Production by a Novel Yeast Strain <i>Candida intermedia</i> FL023 from Lignocellulosic Hydrolysates and Xylose. <i>Applied Biochemistry and Biotechnology</i> , <b>2018</b> , 185, 163-178	3.2	22
41	Cas4 Nucleases Can Effect Specific Integration of CRISPR Spacers. <i>Journal of Bacteriology</i> , <b>2019</b> , 201,	3.5	21
40	Archaeal promoter architecture and mechanism of gene activation. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 99-103	5.1	20
39	Cmr1 enables efficient RNA and DNA interference of a III-B CRISPR-Cas system by binding to target RNA and crRNA. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 11305-11314	20.1	18
38	Isolation, characterization, and antitumor activity of a novel heteroglycan from cultured mycelia of <i>Cordyceps sinensis</i> . <i>Planta Medica</i> , <b>2014</b> , 80, 1107-12	3.1	16
37	The <i>Sulfolobus</i> initiator element is an important contributor to promoter strength. <i>Journal of Bacteriology</i> , <b>2013</b> , 195, 5216-22	3.5	14
36	Characterisation and comparison of the microflora of traditional and pure culture xiaoqu during the baijiu liquor brewing process. <i>Journal of the Institute of Brewing</i> , <b>2020</b> , 126, 213-220	2	13
35	A seed motif for target RNA capture enables efficient immune defence by a type III-B CRISPR-Cas system. <i>RNA Biology</i> , <b>2019</b> , 16, 1166-1178	4.8	12
34	<i>Mitsuaria</i> chitosanase with unrevealed important amino acid residues: characterization and enhanced production in <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 171-9	5.7	12
33	Study on microbial communities and higher alcohol formations in the fermentation of Chinese Xiaoqu Baijiu produced by traditional and new mechanical technologies. <i>Food Research International</i> , <b>2021</b> , 140, 109876	7	12
32	Type III CRISPR-Cas System: Introduction And Its Application for Genetic Manipulations. <i>Current Issues in Molecular Biology</i> , <b>2018</b> , 26, 1-14	2.9	11
31	Developmental, Dietary, and Geographical Impacts on Gut Microbiota of Red Swamp Crayfish ( <i>Procambarus clarkii</i> ). <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	11
30	Insights into the post-translational modifications of archaeal Sis10b (Alba): lysine-16 is methylated, not acetylated, and this does not regulate transcription or growth. <i>Molecular Microbiology</i> , <b>2018</b> , 109, 192	4.1	10
29	High-Titer Lactic Acid Production by PA204 from Corn Stover through Fed-Batch Simultaneous Saccharification and Fermentation. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	9
28	Anaerobic and sequential aerobic production of high-titer ethanol and single cell protein from NaOH-pretreated corn stover by a genome shuffling-modified <i>Saccharomyces cerevisiae</i> strain. <i>Bioresource Technology</i> , <b>2016</b> , 218, 623-30	11	9

27	Biodetoxification of Phenolic Inhibitors from Lignocellulose Pretreatment using LAM0618 and Subsequent Lactic Acid Fermentation. <i>Molecules</i> , <b>2018</b> , 23,	4.8	9
26	Optimization of <i>Saccharomyces boulardii</i> production in solid-state fermentation with response surface methodology. <i>Biotechnology and Biotechnological Equipment</i> , <b>2016</b> , 30, 173-179	1.6	8
25	Conversion of yellow wine lees into high-protein yeast culture by solid-state fermentation. <i>Biotechnology and Biotechnological Equipment</i> , <b>2014</b> , 28, 843-849	1.6	7
24	Aminoglycoside Antibiotics Inhibit Mycobacteriophage Infection. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	6
23	Bio-detoxification Bacteria Isolated from Dye-Polluted Soils Promote Lactic Acid Production from Ammonia Pretreated Corn Stover. <i>Applied Biochemistry and Biotechnology</i> , <b>2019</b> , 189, 129-143	3.2	5
22	Enhanced lactic acid production by <i>Bacillus coagulans</i> through simultaneous saccharification, biodetoxification, and fermentation. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2020</b> , 14, 533-543	5.3	5
21	Analysis of bacterial communities in pit mud from Zhijiang Baijiu distillery using denaturing gradient gel electrophoresis and high-throughput sequencing. <i>Journal of the Institute of Brewing</i> , <b>2020</b> , 126, 90-97	2	5
20	CRISPR-mediated host genomic DNA damage is efficiently repaired through microhomology-mediated end joining in <i>Zymomonas mobilis</i> . <i>Journal of Genetics and Genomics</i> , <b>2021</b> , 48, 115-122	4	5
19	High-Efficiency Genome Editing Based on Endogenous CRISPR-Cas System Enhances Cell Growth and Lactic Acid Production in <i>Pediococcus acidilactici</i> . <i>Applied and Environmental Microbiology</i> , <b>2021</b> , 87, e0094821	4.8	5
18	Detection of Viable and Total Bacterial Community in the Pit Mud of Chinese Strong-Flavor Liquor Using Propidium Monoazide Combined With Quantitative PCR and 16S rRNA Gene Sequencing. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 896	5.7	4
17	Algal Growth Enhances Light-Mediated Limitation of Bacterial Nitrification in an Aquaculture System. <i>Water, Air, and Soil Pollution</i> , <b>2020</b> , 231, 1	2.6	4
16	Detection of viable and total fungal community in zaopei of Chinese strong-flavor baijiu using PMA combined with qPCR and HTS based on ITS2 region. <i>BMC Microbiology</i> , <b>2021</b> , 21, 274	4.5	4
15	Endogenous CRISPR-assisted microhomology-mediated end joining enables rapid genome editing in <i>Zymomonas mobilis</i> . <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 208	7.8	4
14	sp. nov., a bacterium isolated from mangrove sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2020</b> , 70, 6188-6194	2.2	4
13	Pararticibacter amylolyticus gen. nov., sp. nov., Isolated from a Rotten Hemp Rope, and Reclassification of <i>Pedobacter tournemirensis</i> as <i>Pararticibacter tournemirensis</i> comb. nov. <i>Current Microbiology</i> , <b>2020</b> , 77, 320-326	2.4	3
12	Heterologous expression of AHL lactonase AiiK by <i>Lactobacillus casei</i> MCJ11 with great quorum quenching ability against <i>Aeromonas hydrophila</i> AH-1 and AH-4. <i>Microbial Cell Factories</i> , <b>2020</b> , 19, 191	6.4	3
11	CRISPR-Associated Factor Csa3b Regulates CRISPR Adaptation and Cmr-Mediated RNA Interference in. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 2038	5.7	3
10	Cellulosic ethanol production by consortia of <i>Scheffersomyces stipitis</i> and engineered <i>Zymomonas mobilis</i> . <i>Biotechnology for Biofuels</i> , <b>2021</b> , 14, 221	7.8	2

9	Aminoglycoside antibiotics inhibit mycobacteriophage infection		2
8	A CRISPR-associated factor Csa3a regulates DNA damage repair in Crenarchaeon <i>Sulfolobus islandicus</i> . <i>Nucleic Acids Research</i> , <b>2020</b> , 48, 9681-9693	20.1	2
7	Phage Therapy: Consider the Past, Embrace the Future. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7654	2.6	1
6	Heterologous Expression and Characterization of a Thermostable Exo-ED-Glucosaminidase from <i>Aspergillus oryzae</i> . <i>Journal of Microbiology and Biotechnology</i> , <b>2016</b> , 26, 347-55	3.3	1
5	Characteristics of the Microbial Community in the Production of Chinese Rice-Flavor Baijiu and Comparisons With the Microflora of Other Flavors of Baijiu. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 673670	5.7	1
4	Reprogramming <i>Mycobacterium tuberculosis</i> CRISPR System for Gene Editing and Genome-wide RNA Interference Screening.. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2021</b> ,	6.5	1
3	Comprehensive utilization of palm kernel cake for producing mannose and manno-oligosaccharide mixture and yeast culture.. <i>Applied Microbiology and Biotechnology</i> , <b>2022</b> , 106, 1045	5.7	0
2	Unraveling the composition and succession of microbial community and its relationship to flavor substances during Xin-flavor baijiu brewing.. <i>International Journal of Food Microbiology</i> , <b>2022</b> , 372, 109679	5.8	0
1	Bacterial and Archaeal Water and Sediment Communities of Two Hot Spring Streams in Tengchong, Yunnan Province, China. <i>Diversity</i> , <b>2022</b> , 14, 381	2.5	0