

# Jin He

## List of Publications by Year in descending order

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87  
papers

3,278  
citations

172457

29  
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168389

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94  
all docs

94  
docs citations

94  
times ranked

3359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilms: The Microbial "Protective Clothing" in Extreme Environments. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3423.	4.1	482
2	Combinations of mild physical or chemical pretreatment with biological pretreatment for enzymatic hydrolysis of rice hull. <i>Bioresource Technology</i> , 2009, 100, 903-908.	9.6	236
3	Nucleotide binding by the widespread high-affinity cyclic di-GMP receptor MshEN domain. <i>Nature Communications</i> , 2016, 7, 12481.	12.8	129
4	The Metabolic Regulation of Sporulation and Parasporal Crystal Formation in <i>Bacillus thuringiensis</i> Revealed by Transcriptomics and Proteomics. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1363-1376.	3.8	109
5	Complete Genome Sequence of <i>Bacillus thuringiensis</i> Mutant Strain BMB171. <i>Journal of Bacteriology</i> , 2010, 192, 4074-4075.	2.2	99
6	Dispersive liquid-liquid microextraction based on solidification of floating organic droplet followed by high-performance liquid chromatography with ultraviolet detection and liquid chromatography-tandem mass spectrometry for the determination of triclosan and 2,4-dichlorophenol in water samples. <i>Journal of Chromatography A</i> , 2011, 1218, 3830-3836.	3.7	98
7	Characterization of a natural triple-tandem c-di-GMP riboswitch and application of the riboswitch-based dual-fluorescence reporter. <i>Scientific Reports</i> , 2016, 6, 20871.	3.3	96
8	Medium optimization for the production of a novel biofloculant from <i>Halomonas</i> sp. V3a <sup>2</sup> using response surface methodology. <i>Bioresource Technology</i> , 2009, 100, 5922-5927.	9.6	74
9	A decade of research on the second messenger c-di-AMP. <i>FEMS Microbiology Reviews</i> , 2020, 44, 701-724.	8.6	74
10	Characteristics and flocculating mechanism of a novel biofloculant HBF-3 produced by deep-sea bacterium mutant <i>Halomonas</i> sp. V3a <sup>TM</sup> . <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1135-1141.	3.6	73
11	An Artificial Light Source Influences Mating and Oviposition of Black Soldier Flies, <i>Hermetia illucens</i> . <i>Journal of Insect Science</i> , 2010, 10, 1-7.	1.5	73
12	The Multiple DSF-family QS Signals are Synthesized from Carbohydrate and Branched-chain Amino Acids via the FAS Elongation Cycle. <i>Scientific Reports</i> , 2015, 5, 13294.	3.3	73
13	Catalytic oxidation of manganese(II) by multicopper oxidase CueO and characterization of the biogenic Mn oxide. <i>Water Research</i> , 2014, 56, 304-313.	11.3	71
14	Functional Analysis of a c-di-AMP-specific Phosphodiesterase MsPDE from <i>Mycobacterium smegmatis</i> . <i>International Journal of Biological Sciences</i> , 2015, 11, 813-824.	6.4	70
15	Complete Genome Sequence of <i>Bacillus thuringiensis</i> subsp. <i>chinensis</i> Strain CT-43. <i>Journal of Bacteriology</i> , 2011, 193, 3407-3408.	2.2	68
16	Cyclic di-AMP, a second messenger of primary importance: tertiary structures and binding mechanisms. <i>Nucleic Acids Research</i> , 2020, 48, 2807-2829.	14.5	66
17	CotA, a Multicopper Oxidase from <i>Bacillus pumilus</i> WH4, Exhibits Manganese-Oxidase Activity. <i>PLoS ONE</i> , 2013, 8, e60573.	2.5	65
18	Transcriptome Landscape of <i>Mycobacterium smegmatis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 2505.	3.5	64

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19	Functional analysis of the sporulation-specific diadenylate cyclase CdaS in <i>Bacillus thuringiensis</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 908.	3.5	57
20	Improved phosphate biosorption by bacterial surface display of phosphate-binding protein utilizing ice nucleation protein. <i>FEMS Microbiology Letters</i> , 2009, 299, 44-52.	1.8	53
21	Expression Profile and Regulation of Spore and Parasporal Crystal Formation-Associated Genes in <i>Bacillus thuringiensis</i> . <i>Journal of Proteome Research</i> , 2013, 12, 5487-5501.	3.7	51
22	Cyclic di-GMP contributes to adaption and virulence of <i>Bacillus thuringiensis</i> through a riboswitch-regulated collagen adhesion protein. <i>Scientific Reports</i> , 2016, 6, 28807.	3.3	50
23	Poly- $\beta$ -hydroxybutyrate Metabolism Is Unrelated to the Sporulation and Parasporal Crystal Protein Formation in <i>Bacillus thuringiensis</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 836.	3.5	48
24	Ultrasound assisted ionic liquid dispersive liquid phase extraction of lovastatin and simvastatin: A new pretreatment procedure. <i>Journal of Separation Science</i> , 2009, 32, 3029-3033.	2.5	45
25	c-di-GMP Regulates Various Phenotypes and Insecticidal Activity of Gram-Positive <i>Bacillus thuringiensis</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 45.	3.5	39
26	Ways to control harmful biofilms: prevention, inhibition, and eradication. <i>Critical Reviews in Microbiology</i> , 2021, 47, 57-78.	6.1	38
27	Processing generates 3' ends of RNA masking transcription termination events in prokaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4440-4445.	7.1	37
28	Regulation of Inducible Potassium Transporter KdpFABC by the KdpD/KdpE Two-Component System in <i>Mycobacterium smegmatis</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 570.	3.5	36
29	Highly efficient enzymatic preparation of c-di-AMP using the diadenylate cyclase DisA from <i>Bacillus thuringiensis</i> . <i>Enzyme and Microbial Technology</i> , 2013, 52, 319-324.	3.2	35
30	Genomic and transcriptomic insights into the efficient entomopathogenicity of <i>Bacillus thuringiensis</i> . <i>Scientific Reports</i> , 2015, 5, 14129.	3.3	33
31	<i>Mycobacterium smegmatis</i> BioQ defines a new regulatory network for biotin metabolism. <i>Molecular Microbiology</i> , 2014, 94, 1006-1023.	2.5	31
32	A c-di-AMP riboswitch controlling kdpFABC operon transcription regulates the potassium transporter system in <i>Bacillus thuringiensis</i> . <i>Communications Biology</i> , 2019, 2, 151.	4.4	31
33	Proteomic analysis reveals the strategies of <i>Bacillus thuringiensis</i> YBT1520 for survival under long-term heat stress. <i>Proteomics</i> , 2011, 11, 2580-2591.	2.2	30
34	High-Throughput Identification of Promoters and Screening of Highly Active Promoter-5' UTR DNA Region with Different Characteristics from <i>Bacillus thuringiensis</i> . <i>PLoS ONE</i> , 2013, 8, e62960.	2.5	30
35	Foes or Friends? Bacteria Enriched in the Tumor Microenvironment of Colorectal Cancer. <i>Cancers</i> , 2020, 12, 372.	3.7	28
36	DgcA, a diguanylate cyclase from <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> regulates bacterial pathogenicity on rice. <i>Scientific Reports</i> , 2016, 6, 25978.	3.3	25

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37	Determination of spore concentration in <i>Bacillus thuringiensis</i> through the analysis of dipicolinate by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2003, 994, 207-212.	3.7	24
38	Detection of <i>Escherichia coli</i> Enoyl-ACP Reductase Using Biarsenical-Tetracysteine Motif. <i>Bioconjugate Chemistry</i> , 2010, 21, 1341-1348.	3.6	24
39	The impact of nutritional quality and gut bacteria on the fitness of <i>Bactrocera minax</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Over 2.4	2.4	24
40	Construction and characterization of a chimeric lysin ClyV with improved bactericidal activity against <i>Streptococcus agalactiae</i> in vitro and in vivo. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1609-1619.	3.6	23
41	ClyJ Is a Novel Pneumococcal Chimeric Lysin with a Cysteine- and Histidine-Dependent Amidohydrolase/Peptidase Catalytic Domain. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	21
42	Linker Editing of Pneumococcal Lysin ClyJ Conveys Improved Bactericidal Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	21
43	Bio-hybrid nanoarchitectonics of nanoflower-based ELISA method for the detection of <i>Staphylococcus aureus</i> . <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 132005.	7.8	20
44	2- <i>Methylcitrate</i> cycle: a well-regulated controller of <i>Bacillus</i> sporulation. <i>Environmental Microbiology</i> , 2020, 22, 1125-1140.	3.8	19
45	Insights into sRNA Genes Regulated by Two-Component Systems in the <i>Bacillus cereus</i> Group. <i>Current Bioinformatics</i> , 2015, 10, 456-468.	1.5	19
46	Rational questing for potential novel inhibitors of FabK from <i>Streptococcus pneumoniae</i> by combining FMO calculation, CoMFA 3D-QSAR modeling and virtual screening. <i>Journal of Molecular Modeling</i> , 2011, 17, 1483-1492.	1.8	18
47	Proteomic analysis of <i>Bacillus thuringiensis</i> $\Delta$ phaC mutant BMB171/PHB <sup>+</sup> 1 reveals that the PHB synthetic pathway warrants normal carbon metabolism. <i>Journal of Proteomics</i> , 2012, 75, 5176-5188.	2.4	18
48	Assessment of the Bacteria community structure across life stages of the Chinese Citrus Fly, <i>Bactrocera minax</i> (Diptera: Tephritidae). <i>BMC Microbiology</i> , 2019, 19, 285.	3.3	18
49	Novel enoyl-ACP reductase (FabI) potential inhibitors of <i>Escherichia coli</i> from Chinese medicine monomers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 56-59.	2.2	17
50	Prevalence and diversity of insertion sequences in the genome of <i>Bacillus thuringiensis</i> YBT-1520 and comparison with other <i>Bacillus cereus</i> group members. <i>FEMS Microbiology Letters</i> , 2010, 310, 9-16.	1.8	17
51	Comparative proteomic analysis revealed metabolic changes and the translational regulation of Cry protein synthesis in <i>Bacillus thuringiensis</i> . <i>Journal of Proteomics</i> , 2012, 75, 1235-1246.	2.4	17
52	Which Is Stronger? A Continuing Battle Between Cry Toxins and Insects. <i>Frontiers in Microbiology</i> , 2021, 12, 665101.	3.5	17
53	Determination of the Crystal Structure and Active Residues of FabV, the Enoyl-ACP Reductase from <i>Xanthomonas oryzae</i> . <i>PLoS ONE</i> , 2011, 6, e26743.	2.5	16
54	The two-component signal transduction system YvcPQ regulates the bacterial resistance to bacitracin in <i>Bacillus thuringiensis</i> . <i>Archives of Microbiology</i> , 2016, 198, 773-784.	2.2	16

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55	Effects of simeprevir on the replication of SARS-CoV-2 in vitro and in transgenic hACE2 mice. <i>International Journal of Antimicrobial Agents</i> , 2022, 59, 106499.	2.5	15
56	Heterologous expression of Vhb can improve the yield and quality of biocontrol fungus <i>Paecilomyces lilacinus</i> , during submerged fermentation. <i>Journal of Biotechnology</i> , 2014, 187, 147-153.	3.8	14
57	Determination of the Fungicide Validamycin A by Capillary Zone Electrophoresis with Indirect UV Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 7523-7527.	5.2	13
58	A Choline-Recognizing Monomeric Lysin, ClyJ-3m, Shows Elevated Activity against <i>Streptococcus pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	3.2	13
59	Determination of 2-Methylisoborneol and Geosmin Produced by <i>Streptomyces</i> sp. and <i>Anabaena</i> PCC7120. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 6823-6828.	5.2	12
60	Genomic and Transcriptomic Study for Screening Genes Involved in the Limonene Biotransformation of <i>Penicillium digitatum</i> DSM 62840. <i>Frontiers in Microbiology</i> , 2020, 11, 744.	3.5	11
61	Expression of <i>Vitreoscilla</i> hemoglobin in <i>Bacillus thuringiensis</i> BMB171 can promote manganese(II) oxidation under oxygen-restricted conditions. <i>Annals of Microbiology</i> , 2014, 64, 1865-1868.	2.6	9
62	Identification of functional genes associated with the biotransformation of limonene to <i>trans</i> - $\alpha$ -dihydrocarvone in <i>Klebsiella</i> sp. <i>O852</i> . <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 3297-3307.	3.5	9
63	Mutational analysis of the interaction between a potential inhibitor luteolin and enoyl-ACP reductase (FabI) from <i>Salmonella enterica</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 68, 174-180.	1.8	8
64	Two-component system YvqEC-dependent bacterial resistance against vancomycin in <i>Bacillus thuringiensis</i> . <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 365-376.	1.7	7
65	Genomic Analysis of a <i>Mycobacterium Bovis</i> <i>Bacillus Calmette-Guérin</i> Strain Isolated from an Adult Patient with Pulmonary Tuberculosis. <i>PLoS ONE</i> , 2015, 10, e0122403.	2.5	7
66	<i>Bacillus velezensis</i> LG37: transcriptome profiling and functional verification of GlnK and MnrA in ammonia assimilation. <i>BMC Genomics</i> , 2020, 21, 215.	2.8	6
67	The Multiple Regulatory Relationship Between RNA-Chaperone Hfq and the Second Messenger c-di-GMP. <i>Frontiers in Microbiology</i> , 2021, 12, 689619.	3.5	6
68	Clp protease and antisense RNA jointly regulate the global regulator CarD to mediate mycobacterial starvation response. <i>ELife</i> , 2022, 11, .	6.0	6
69	Two novel transposon delivery vectors based on mariner transposon for random mutagenesis of <i>Bacillus thuringiensis</i> . <i>Journal of Microbiological Methods</i> , 2009, 78, 242-244.	1.6	5
70	6S-1 RNA Contributes to Sporulation and Parasporal Crystal Formation in <i>Bacillus thuringiensis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 604458.	3.5	5
71	A "time bomb" in the human intestine—the multiple emergence and spread of antibiotic-resistant bacteria. <i>Environmental Microbiology</i> , 2022, 24, 1231-1246.	3.8	5
72	Extending the working calibration ranges of four hexachlorocyclohexane isomers in gas chromatography-electron capture detector by radial basis function neural network. <i>Talanta</i> , 2009, 79, 916-925.	5.5	4

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73	Microcalorimetric study of the effect of manganese on the growth and metabolism in a heterogeneously expressing manganese-dependent superoxide dismutase (Mn-SOD) strain. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1407-1416.	3.6	4
74	Structural insights into operator recognition by BioQ in the <i>Mycobacterium smegmatis</i> biotin synthesis pathway. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1843-1851.	2.4	4
75	Genomic Characterization Provides New Insights for Detailed Phage- Resistant Mechanism for <i>Brucella abortus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 917.	3.5	4
76	Visualization of RNA 3' ends in <i>Escherichia coli</i> Using RACE Combined with Primer Extension. <i>Bio-protocol</i> , 2018, 8, e2752.	0.4	4
77	Optimized Silica-Binding Peptide-Mediated Delivery of Bactericidal Lysin Efficiently Prevents <i>Staphylococcus aureus</i> from Adhering to Device Surfaces. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12544.	4.1	4
78	Internal cell-penetrating peptide-mediated internalization enables a chimeric lysin to target intracellular pathogens. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120449.	5.2	3
79	Genomic and transcriptomic analysis screening key genes for (+)-valencene biotransformation to (+)-nootkatone in <i>Yarrowia lipolytica</i> . <i>Microbiological Research</i> , 2022, 260, 127042.	5.3	3
80	The spatial position effect: synthetic biology enters the era of 3D genomics. <i>Trends in Biotechnology</i> , 2021, , .	9.3	1
81	Optimization of Fermentation Medium for Manganese-oxidizing Bacteria by Response Surface Method*. <i>Ying Yong Yu Huan Jing Sheng Wu Xue Bao = Chinese Journal of Applied and Environmental Biology</i> , 2011, 17, 130-134.	0.1	1
82	Genome-wide Analysis of the Distribution of Riboswitches and Function Analyses of the Corresponding Downstream Genes in Prokaryotes. <i>Current Bioinformatics</i> , 2018, 14, 53-61.	1.5	1
83	Construction and Application in Plasmid Vectors of <i>Bacillus cereus</i> Group. , 2012, , 185-199.		0
84	Discovery of Pre-Existing Drugs that Suppress the Replication of SARS-CoV-2 in Vitro. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
85	Structure and Function Analysis of SigL and Its Enhancer-binding Proteins in <i>Bacillus thuringiensis</i> Strain YBT-1520. <i>Ying Yong Yu Huan Jing Sheng Wu Xue Bao = Chinese Journal of Applied and Environmental Biology</i> , 2012, 18, 315.	0.1	0
86	Cyclic-di-GMP Signaling Systems in the Gram-Positive <i>Bacillus cereus</i> Group. , 2020, , 261-275.		0
87	The RNA Chaperone Protein Hfq Regulates the Characteristic Sporulation and Insecticidal Activity of <i>Bacillus thuringiensis</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 884528.	3.5	0