Quanjiang Ji

List of Publications by Year
in descending order

45 papers	3,392 citations	201674 27 h-index	233421 45 g-index
48 all docs	48 docs citations	48 times ranked	4996 citing authors

#	Article	IF	Citations
1	Enhancement of prime editing via xrRNA motif-joined pegRNA. Nature Communications, 2022, 13, 1856.	12.8	51
2	Molecular basis for cell-wall recycling regulation by transcriptional repressor MurR in <i>Escherichia coli</i>. Nucleic Acids Research, 2022, 50, 5948-5960.	14.5	3
3	PAM-Expanded Streptococcus thermophilus Cas9 C-to-T and C-to-G Base Editors for Programmable Base Editing in Mycobacteria. Engineering, 2022, 15, 67-77.	6.7	3
4	Genome Editing in Klebsiella pneumoniae Using CRISPR/Cas9 Technology. Methods in Molecular Biology, 2022, 2479, 105-117.	0.9	1
5	Targeted genetic screening in bacteria with a Cas12k-guided transposase. Cell Reports, 2021, 36, 109635.	6.4	24
6	Programmed genome editing by a miniature CRISPR-Cas12f nuclease. Nature Chemical Biology, 2021, 17, 1132-1138.	8.0	121
7	Programmable adenine deamination in bacteria using a Cas9â€“adenine-deaminase fusion. Chemical Science, 2020, 11, 1657-1664.	7.4	21
8	Strategies for Developing CRISPRâ€Based Gene Editing Methods in Bacteria. Small Methods, 2020, 4, 1900560.	8.6	19
9	CRISPR-CBEI: a Designing and Analyzing Tool Kit for Cytosine Base Editor-Mediated Gene Inactivation. MSystems, 2020, 5, .	3.8	20
10	Catalytic-state structure and engineering of Streptococcus thermophilus Cas9. Nature Catalysis, 2020, 3, 813-823.	34.4	23
11	CRISPR-Cas9-Based Genome Editing and Cytidine Base Editing in Acinetobacter baumannii. STAR Protocols, 2020, 1, 100025.	1.2	6
12	Structural Basis of <i>Staphylococcus aureus</i> Surface Protein SdrC. Biochemistry, 2020, 59, 1465-1469.	2.5	10
13	Genetic Manipulation of MRSA Using CRISPR/Cas9 Technology. Methods in Molecular Biology, 2020, 2069, 113-124.	0.9	5
14	Molecular basis for the PAM expansion and fidelity enhancement of an evolved Cas9 nuclease. PLoS Biology, 2019, 17, e3000496.	5.6	17
15	A Potent Anti-SpuE Antibody Allosterically Inhibits Type III Secretion System and Attenuates Virulence of Pseudomonas Aeruginosa. Journal of Molecular Biology, 2019, 431, 4882-4896.	4.2	9
16	A Highly Efficient CRISPR-Cas9-Based Genome Engineering Platform in Acinetobacter baumannii to Understand the H2O2-Sensing Mechanism of OxyR. Cell Chemical Biology, 2019, 26, 1732-1742.e5.	5.2	55
17	Emergence of plasmid-mediated high-level tigecycline resistance genes in animals and humans. Nature Microbiology, 2019, 4, 1450-1456.	13.3	455
18	Thymine DNA glycosylase recognizes the geometry alteration of minor grooves induced by 5-formylcytosine and 5-carboxylcytosine. Chemical Science, 2019, 10, 7407-7417.	7.4	20

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19	Application of CRISPR/Cas9-Based Genome Editing in Studying the Mechanism of Pandrug Resistance in Klebsiella pneumoniae. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	24
20	Highly efficient base editing in <i>Staphylococcus aureus</i> using an engineered CRISPR RNA-guided cytidine deaminase. Chemical Science, 2018, 9, 3248-3253.	7.4	64
21	Mechanistic insights into staphylopine-mediated metal acquisition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3942-3947.	7.1	50
22	CRISPR-Cas9 and CRISPR-Assisted Cytidine Deaminase Enable Precise and Efficient Genome Editing in Klebsiella pneumoniae. Applied and Environmental Microbiology, 2018, 84, .	3.1	113
23	Crystal structure and acetylation of BioQ suggests a novel regulatory switch for biotin biosynthesis in <i>Mycobacterium smegmatis</i>. Molecular Microbiology, 2018, 109, 642-662.	2.5	10
24	CRISPR/Cas9-based Genome Editing in Pseudomonas aeruginosa and Cytidine Deaminase-Mediated Base Editing in Pseudomonas Species. IScience, 2018, 6, 222-231.	4.1	142
25	Rapid and Efficient Genome Editing in <i>Staphylococcus aureus</i> by Using an Engineered CRISPR/Cas9 System. Journal of the American Chemical Society, 2017, 139, 3790-3795.	13.7	98
26	Structure and mechanism of the essential two-component signal-transduction system WalKR in Staphylococcus aureus. Nature Communications, 2016, 7, 11000.	12.8	32
27	Metabolic Rewiring by Oncogenic BRAF V600E Links Ketogenesis Pathway to BRAF-MEK1 Signaling. Molecular Cell, 2015, 59, 345-358.	9.7	125
28	Widespread occurrence of<i>N</i>⁶-methyladenosine in bacterial mRNA. Nucleic Acids Research, 2015, 43, 6557-6567.	14.5	165
29	N6-Methyldeoxyadenosine Marks Active Transcription Start Sites in Chlamydomonas. Cell, 2015, 161, 879-892.	28.9	477
30	6-Phosphogluconate dehydrogenase links oxidative PPP, lipogenesis and tumour growth by inhibiting LKB1â€"AMPK signalling. Nature Cell Biology, 2015, 17, 1484-1496.	10.3	224
31	Crystal structure of the RNA demethylase ALKBH5 from zebrafish. FEBS Letters, 2014, 588, 892-898.	2.8	50
32	Steady-State Hydrogen Peroxide Induces Glycolysis in Staphylococcus aureus and Pseudomonas aeruginosa. Journal of Bacteriology, 2014, 196, 2499-2513.	2.2	35
33	Lysine Acetylation Activates 6-Phosphogluconate Dehydrogenase to Promote Tumor Growth. Molecular Cell, 2014, 55, 552-565.	9.7	107
34	A highly sensitive and genetically encoded fluorescent reporter for ratiometric monitoring of quinones in living cells. Chemical Communications, 2013, 49, 8027.	4.1	3
35	Proteome-wide Quantification and Characterization of Oxidation-Sensitive Cysteines in Pathogenic Bacteria. Cell Host and Microbe, 2013, 13, 358-370.	11.0	111
36	Engineering Bacterial Two-Component System PmrA/PmrB to Sense Lanthanide Ions. Journal of the American Chemical Society, 2013, 135, 2037-2039.	13.7	29

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37	Molecular mechanism of quinone signaling mediated through S-quinonization of a YodB family repressor QsrR. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5010-5015.	7.1	40
38	Expression of Multidrug Resistance Efflux Pump Gene <i>norA</i> Is Iron Responsive in Staphylococcus aureus. Journal of Bacteriology, 2012, 194, 1753-1762.	2.2	69
39	The Pseudomonas aeruginosa Global Regulator VqsR Directly Inhibits QscR To Control Quorum-Sensing and Virulence Gene Expression. Journal of Bacteriology, 2012, 194, 3098-3108.	2.2	48
40	Quorum-sensing <i>agr</i> mediates bacterial oxidation response via an intramolecular disulfide redox switch in the response regulator AgrA. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 9095-9100.	7.1	92
41	Protein cysteine phosphorylation of SarA/MgrA family transcriptional regulators mediates bacterial virulence and antibiotic resistance. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15461-15466.	7.1	151
42	The auxiliary protein complex <scp>SaePQ</scp> activates the phosphatase activity of sensor kinase <scp>SaeS</scp> in the <scp>SaeRS</scp> twoâ€component system of <i><scp>S</scp>taphylococcus aureus</i>. Molecular Microbiology, 2012, 86, 331-348.	2.5	74
43	AirSR, a [2Fe-2S] Cluster-Containing Two-Component System, Mediates Global Oxygen Sensing and Redox Signaling in Staphylococcus aureus. Journal of the American Chemical Society, 2012, 134, 305-314.	13.7	78
44	Staphylococcus aureus CymR Is a New Thiol-based Oxidation-sensing Regulator of Stress Resistance and Oxidative Response. Journal of Biological Chemistry, 2012, 287, 21102-21109.	3.4	38
45	Lectin-Based Nanoprobes Functionalized with Enzyme for Highly Sensitive Electrochemical Monitoring of Dynamic Carbohydrate Expression on Living Cells. Analytical Chemistry, 2010, 82, 1292-1298.	6.5	80