

Wensheng Wei

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

3,953
citations

218592

26
h-index

155592

55
g-index

65
all docs

65
docs citations

65
times ranked

5498
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput screening of a CRISPR/Cas9 library for functional genomics in human cells. <i>Nature</i> , 2014, 509, 487-491.	13.7	648
2	Genome-scale deletion screening of human long non-coding RNAs using a paired-guide RNA CRISPR-Cas9 library. <i>Nature Biotechnology</i> , 2016, 34, 1279-1286.	9.4	380
3	Hrp pilus: An hrp-dependent bacterial surface appendage produced by <i>Pseudomonas syringae</i> pv. tomato DC3000. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3459-3464.	3.3	339
4	Adopt a moratorium on heritable genome editing. <i>Nature</i> , 2019, 567, 165-168.	13.7	314
5	Circular RNA vaccines against SARS-CoV-2 and emerging variants. <i>Cell</i> , 2022, 185, 1728-1744.e16.	13.5	211
6	Programmable RNA editing by recruiting endogenous ADAR using engineered RNAs. <i>Nature Biotechnology</i> , 2019, 37, 1059-1069.	9.4	168
7	hrp gene-dependent induction of hin1: a plant gene activated rapidly by both harpins and the avrPto gene-mediated signal. <i>Plant Journal</i> , 1996, 10, 591-600.	2.8	161
8	Chondroitin sulfate proteoglycan 4 functions as the cellular receptor for <i>Clostridium difficile</i> toxin B. <i>Cell Research</i> , 2015, 25, 157-168.	5.7	154
9	Long-term dual-color tracking of genomic loci by modified sgRNAs of the CRISPR/Cas9 system. <i>Nucleic Acids Research</i> , 2016, 44, e86-e86.	6.5	138
10	The LDL Receptor-Related Protein LRP6 Mediates Internalization and Lethality of Anthrax Toxin. <i>Cell</i> , 2006, 124, 1141-1154.	13.5	126
11	The gene coding for the Hrp pilus structural protein is required for type III secretion of Hrp and Avr proteins in <i>Pseudomonas syringae</i> pv. tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 2247-2252.	3.3	125
12	Genome-wide screening for functional long noncoding RNAs in human cells by Cas9 targeting of splice sites. <i>Nature Biotechnology</i> , 2018, 36, 1203-1210.	9.4	120
13	Complete decoding of TAL effectors for DNA recognition. <i>Cell Research</i> , 2014, 24, 628-631.	5.7	77
14	Human Neonatal Fc Receptor Is the Cellular Uncoating Receptor for Enterovirus B. <i>Cell</i> , 2019, 177, 1553-1565.e16.	13.5	69
15	Divergent roles of BECN1 in LC3 lipidation and autophagosomal function. <i>Autophagy</i> , 2015, 11, 740-747.	4.3	64
16	Engineered circular ADAR-recruiting RNAs increase the efficiency and fidelity of RNA editing in vitro and in vivo. <i>Nature Biotechnology</i> , 2022, 40, 946-955.	9.4	63
17	Painting a specific chromosome with CRISPR/Cas9 for live-cell imaging. <i>Cell Research</i> , 2017, 27, 298-301.	5.7	53
18	Sensing of cytoplasmic chromatin by cGAS activates innate immune response in SARS-CoV-2 infection. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 382.	7.1	53

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19	EST-based genome-wide gene inactivation identifies ARAP3 as a host protein affecting cellular susceptibility to anthrax toxin. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17246-17251.	3.3	51
20	High-throughput screens in mammalian cells using the CRISPR-Cas9 system. FEBS Journal, 2015, 282, 2089-2096.	2.2	51
21	A Dual-Reporter System for Real-Time Monitoring and High-throughput CRISPR/Cas9 Library Screening of the Hepatitis C Virus. Scientific Reports, 2015, 5, 8865.	1.6	51
22	Guide RNAs with embedded barcodes boost CRISPR-pooled screens. Genome Biology, 2019, 20, 20.	3.8	50
23	Txr1: a transcriptional regulator of thrombospondin-1 that modulates cellular sensitivity to taxanes. Genes and Development, 2006, 20, 2082-2095.	2.7	49
24	Genome-wide CRISPR activation screen identifies candidate receptors for SARS-CoV-2 entry. Science China Life Sciences, 2022, 65, 701-717.	2.3	48
25	Genome-wide interrogation of gene functions through base editor screens empowered by barcoded sgRNAs. Nature Biotechnology, 2021, 39, 1403-1413.	9.4	34
26	ULTIMATE System for Rapid Assembly of Customized TAL Effectors. PLoS ONE, 2013, 8, e75649.	1.1	33
27	Attachment and Postattachment Receptors Important for Hepatitis C Virus Infection and Cell-to-Cell Transmission. Journal of Virology, 2017, 91, .	1.5	27
28	Deciphering TAL effectors for 5-methylcytosine and 5-hydroxymethylcytosine recognition. Nature Communications, 2017, 8, 901.	5.8	26
29	SAP-Regulated T Cell-APC Adhesion and Ligation-Dependent and -Independent Ly108-CD3 ζ Interactions. Journal of Immunology, 2014, 193, 3860-3871.	0.4	25
30	TRIM26 is a critical host factor for HCV replication and contributes to host tropism. Science Advances, 2021, 7, .	4.7	25
31	Questions about NgAgo. Protein and Cell, 2016, 7, 913-915.	4.8	24
32	The S-G2 phase enriched β -catenin/TCF complex ensures cell survival and cell cycle progression. Journal of Cell Science, 2014, 127, 4833-45.	1.2	21
33	Gene editing and its applications in biomedicine. Science China Life Sciences, 2022, 65, 660-700.	2.3	20
34	Genome-Wide CRISPR/Cas9 Screening for High-Throughput Functional Genomics in Human Cells. Methods in Molecular Biology, 2017, 1656, 175-181.	0.4	15
35	CRISPR twins: a condemnation from Chinese academic societies. Nature, 2018, 564, 345-345.	13.7	13
36	Live visualization of genomic loci with BiFC-TALE. Scientific Reports, 2017, 7, 40192.	1.6	12

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37	Noncoding loci without epigenomic signals can be essential for maintaining global chromatin organization and cell viability. <i>Science Advances</i> , 2021, 7, eabi6020.	4.7	11
38	Simultaneous generation of multi-gene knockouts in human cells. <i>FEBS Letters</i> , 2016, 590, 4343-4353.	1.3	10
39	Bidirectional effect of Wnt signaling antagonist DKK1 on the modulation of anthrax toxin uptake. <i>Science China Life Sciences</i> , 2014, 57, 469-481.	2.3	9
40	Glucosyltransferase Activity of <i>Clostridium difficile</i> Toxin B Triggers Autophagy-mediated Cell Growth Arrest. <i>Scientific Reports</i> , 2017, 7, 10532.	1.6	8
41	A surrogate reporter system for multiplexable evaluation of CRISPR/Cas9 in targeted mutagenesis. <i>Scientific Reports</i> , 2018, 8, 1042.	1.6	8
42	PASTMUS: mapping functional elements at single amino acid resolution in human cells. <i>Genome Biology</i> , 2019, 20, 279.	3.8	6
43	Structural Insights into the Specific Recognition of 5-methylcytosine and 5-hydroxymethylcytosine by TAL Effectors. <i>Journal of Molecular Biology</i> , 2020, 432, 1035-1047.	2.0	6
44	Low-density lipoprotein receptor-related protein 1 is a CROPs-associated receptor for <i>Clostridioides</i> infection toxin B. <i>Science China Life Sciences</i> , 2022, 65, 107-118.	2.3	6
45	Mapping regulatory elements. <i>Nature Biotechnology</i> , 2016, 34, 151-152.	9.4	5
46	A microfluidic live cell assay to study anthrax toxin induced cell lethality assisted by conditioned medium. <i>Scientific Reports</i> , 2015, 5, 8651.	1.6	4
47	Reply to: Fitness effects of CRISPR/Cas9-targeting of long noncoding RNA genes. <i>Nature Biotechnology</i> , 2020, 38, 577-578.	9.4	4
48	Assembly of Customized TAL Effectors Through Advanced ULtimate System. <i>Methods in Molecular Biology</i> , 2016, 1338, 49-60.	0.4	4
49	Proprotein Convertase Furin Is Required for Heart Development in Zebrafish. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	4
50	In vivo ways to unveil off-targets. <i>Cell Research</i> , 2019, 29, 339-340.	5.7	3
51	Gene editing: from technologies to applications in research and beyond. <i>Science China Life Sciences</i> , 2022, 65, 657-659.	2.3	3
52	Human FcRn Is a Two-in-One Attachment-Uncoating Receptor for Echovirus 18. <i>MBio</i> , 0, , .	1.8	3
53	PrePAIRing Cas9s for screening success. <i>Nature Biotechnology</i> , 2018, 36, 147-148.	9.4	2
54	Interrogating the noncoding genome in a high-throughput fashion. <i>National Science Review</i> , 2019, 6, 397-399.	4.6	1

#	ARTICLE	IF	CITATIONS
55	Making better CRISPR libraries. <i>ELife</i> , 2016, 5, .	2.8	0
56	Regulatory elements can be essential for maintaining broad chromatin organization and cell viability. <i>Nucleic Acids Research</i> , 2022, 50, 4340-4354.	6.5	0