

Wensheng Wei

List of Publications by Year in descending order

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56
papers

3,953
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218677
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docs citations

65
times ranked

5498
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-density lipoprotein receptor-related protein 1 is a CROPs-associated receptor for Clostridioides infection toxin B. Science China Life Sciences, 2022, 65, 107-118.	4.9	6
2	Genome-wide CRISPR activation screen identifies candidate receptors for SARS-CoV-2 entry. Science China Life Sciences, 2022, 65, 701-717.	4.9	48
3	Engineered circular ADAR-recruiting RNAs increase the efficiency and fidelity of RNA editing in vitro and in vivo. Nature Biotechnology, 2022, 40, 946-955.	17.5	63
4	Gene editing: from technologies to applications in research and beyond. Science China Life Sciences, 2022, 65, 657-659.	4.9	3
5	Circular RNA vaccines against SARS-CoV-2 and emerging variants. Cell, 2022, 185, 1728-1744.e16.	28.9	211
6	Regulatory elements can be essential for maintaining broad chromatin organization and cell viability. Nucleic Acids Research, 2022, 50, 4340-4354.	14.5	0
7	Gene editing and its applications in biomedicine. Science China Life Sciences, 2022, 65, 660-700.	4.9	20
8	TRIM26 is a critical host factor for HCV replication and contributes to host tropism. Science Advances, 2021, 7, .	10.3	25
9	Genome-wide interrogation of gene functions through base editor screens empowered by barcoded sgRNAs. Nature Biotechnology, 2021, 39, 1403-1413.	17.5	34
10	Proprotein Convertase Furin Is Required for Heart Development in Zebrafish. Journal of Cell Science, 2021, 134, .	2.0	4
11	Sensing of cytoplasmic chromatin by cGAS activates innate immune response in SARS-CoV-2 infection. Signal Transduction and Targeted Therapy, 2021, 6, 382.	17.1	53
12	Noncoding loci without epigenomic signals can be essential for maintaining global chromatin organization and cell viability. Science Advances, 2021, 7, eabi6020.	10.3	11
13	Structural Insights into the Specific Recognition of 5-methylcytosine and 5-hydroxymethylcytosine by TAL Effectors. Journal of Molecular Biology, 2020, 432, 1035-1047.	4.2	6
14	Reply to: Fitness effects of CRISPR/Cas9-targeting of long noncoding RNA genes. Nature Biotechnology, 2020, 38, 577-578.	17.5	4
15	Programmable RNA editing by recruiting endogenous ADAR using engineered RNAs. Nature Biotechnology, 2019, 37, 1059-1069.	17.5	168
16	Adopt a moratorium on heritable genome editing. Nature, 2019, 567, 165-168.	27.8	314
17	Guide RNAs with embedded barcodes boost CRISPR-pooled screens. Genome Biology, 2019, 20, 20.	8.8	50
18	Human Neonatal Fc Receptor Is the Cellular Uncoating Receptor for Enterovirus B. Cell, 2019, 177, 1553-1565.e16.	28.9	69

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19	Interrogating the noncoding genome in a high-throughput fashion. National Science Review, 2019, 6, 397-399.	9.5	1
20	In vivo ways to unveil off-targets. Cell Research, 2019, 29, 339-340.	12.0	3
21	PASTMUS: mapping functional elements at single amino acid resolution in human cells. Genome Biology, 2019, 20, 279.	8.8	6
22	PrePAIRing Cas9s for screening success. Nature Biotechnology, 2018, 36, 147-148.	17.5	2
23	A surrogate reporter system for multiplexable evaluation of CRISPR/Cas9 in targeted mutagenesis. Scientific Reports, 2018, 8, 1042.	3.3	8
24	CRISPR twins: a condemnation from Chinese academic societies. Nature, 2018, 564, 345-345.	27.8	13
25	Genome-wide screening for functional long noncoding RNAs in human cells by Cas9 targeting of splice sites. Nature Biotechnology, 2018, 36, 1203-1210.	17.5	120
26	Painting a specific chromosome with CRISPR/Cas9 for live-cell imaging. Cell Research, 2017, 27, 298-301.	12.0	53
27	Live visualization of genomic loci with BiFC-TALE. Scientific Reports, 2017, 7, 40192.	3.3	12
28	Attachment and Postattachment Receptors Important for Hepatitis C Virus Infection and Cell-to-Cell Transmission. Journal of Virology, 2017, 91, .	3.4	27
29	Deciphering TAL effectors for 5-methylcytosine and 5-hydroxymethylcytosine recognition. Nature Communications, 2017, 8, 901.	12.8	26
30	Glucosyltransferase Activity of Clostridium difficile Toxin B Triggers Autophagy-mediated Cell Growth Arrest. Scientific Reports, 2017, 7, 10532.	3.3	8
31	Genome-Wide CRISPR/Cas9 Screening for High-Throughput Functional Genomics in Human Cells. Methods in Molecular Biology, 2017, 1656, 175-181.	0.9	15
32	Questions about NgAgo. Protein and Cell, 2016, 7, 913-915.	11.0	24
33	Genome-scale deletion screening of human long non-coding RNAs using a paired-guide RNA CRISPR-Cas9 library. Nature Biotechnology, 2016, 34, 1279-1286.	17.5	380
34	Simultaneous generation of multi-gene knockouts in human cells. FEBS Letters, 2016, 590, 4343-4353.	2.8	10
35	Long-term dual-color tracking of genomic loci by modified sgRNAs of the CRISPR/Cas9 system. Nucleic Acids Research, 2016, 44, e86-e86.	14.5	138
36	Mapping regulatory elements. Nature Biotechnology, 2016, 34, 151-152.	17.5	5

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37	Assembly of Customized TAL Effectors Through Advanced ULtiMATE System. <i>Methods in Molecular Biology</i> , 2016, 1338, 49-60.	0.9	4
38	Making better CRISPR libraries. <i>ELife</i> , 2016, 5, .	6.0	0
39	A microfluidic live cell assay to study anthrax toxin induced cell lethality assisted by conditioned medium. <i>Scientific Reports</i> , 2015, 5, 8651.	3.3	4
40	Chondroitin sulfate proteoglycan 4 functions as the cellular receptor for <i>Clostridium difficile</i> toxin B. <i>Cell Research</i> , 2015, 25, 157-168.	12.0	154
41	High-throughput screens in mammalian cells using the CRISPR-Cas9 system. <i>FEBS Journal</i> , 2015, 282, 2089-2096.	4.7	51
42	A Dual-Reporter System for Real-Time Monitoring and High-throughput CRISPR/Cas9 Library Screening of the Hepatitis C Virus. <i>Scientific Reports</i> , 2015, 5, 8865.	3.3	51
43	Divergent roles of BECN1 in LC3 lipidation and autophagosomal function. <i>Autophagy</i> , 2015, 11, 740-747.	9.1	64
44	High-throughput screening of a CRISPR/Cas9 library for functional genomics in human cells. <i>Nature</i> , 2014, 509, 487-491.	27.8	648
45	SAP-Regulated T Cell-APC Adhesion and Ligation-Dependent and -Independent Ly108-CD3 ζ Interactions. <i>Journal of Immunology</i> , 2014, 193, 3860-3871.	0.8	25
46	The S-G2 phase enriched β^2 -catenin/TCF complex ensures cell survival and cell cycle progression. <i>Journal of Cell Science</i> , 2014, 127, 4833-45.	2.0	21
47	Bidirectional effect of Wnt signaling antagonist DKK1 on the modulation of anthrax toxin uptake. <i>Science China Life Sciences</i> , 2014, 57, 469-481.	4.9	9
48	Complete decoding of TAL effectors for DNA recognition. <i>Cell Research</i> , 2014, 24, 628-631.	12.0	77
49	ULtiMATE System for Rapid Assembly of Customized TAL Effectors. <i>PLoS ONE</i> , 2013, 8, e75649.	2.5	33
50	The LDL Receptor-Related Protein LRP6 Mediates Internalization and Lethality of Anthrax Toxin. <i>Cell</i> , 2006, 124, 1141-1154.	28.9	126
51	Txr1: a transcriptional regulator of thrombospondin-1 that modulates cellular sensitivity to taxanes. <i>Genes and Development</i> , 2006, 20, 2082-2095.	5.9	49
52	EST-based genome-wide gene inactivation identifies ARAP3 as a host protein affecting cellular susceptibility to anthrax toxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 17246-17251.	7.1	51
53	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.	7.1	125
54	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.	7.1	339

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55	hrp gene-dependent induction of hin1: a plant gene activated rapidly by both harpins and the avrPto gene-mediated signal. Plant Journal, 1996, 10, 591-600.	5.7	161
56	Human FcRn Is a Two-in-One Attachment-Uncoating Receptor for Echovirus 18. MBio, 0, , .	4.1	3