Wensheng Wei

List of Publications by Year in Descending Order

52 papers	2,632 citations	22 h-index	51 g-index
65 ext. papers	3,350 ext. citations	19.5 avg, IF	4.77 L-index

#	Paper	IF	Citations
52	Engineered circular ADAR-recruiting RNAs increase the efficiency and fidelity of RNA editing in vitro and in vivo.. *Nature Biotechnology*, **2022**,	44.5	5
51	Circular RNA vaccines against SARS-CoV-2 and emerging variants.. *Cell*, **2022**,	56.2	21
50	Gene editing and its applications in biomedicine.. *Science China Life Sciences*, **2022**, 65, 660	8.5	3
49	Sensing of cytoplasmic chromatin by cGAS activates innate immune response in SARS-CoV-2 infection. *Signal Transduction and Targeted Therapy*, **2021**, 6, 382	21	8
48	Noncoding loci without epigenomic signals can be essential for maintaining global chromatin organization and cell viability. *Science Advances*, **2021**, 7, eabi6020	14.3	0
47	Genome-wide interrogation of gene functions through base editor screens empowered by barcoded sgRNAs. *Nature Biotechnology*, **2021**, 39, 1403-1413	44.5	8
46	Low-density lipoprotein receptor-related protein 1 is a CROPs-associated receptor for Clostridioides difficile toxin B. *Science China Life Sciences*, **2021**, 1	8.5	2
45	TRIM26 is a critical host factor for HCV replication and contributes to host tropism. *Science Advances*, **2021**, 7,	14.3	7
44	Genome-wide CRISPR activation screen identifies candidate receptors for SARS-CoV-2 entry. *Science China Life Sciences*, **2021**, 1	8.5	7
43	Reply to: Fitness effects of CRISPR/Cas9-targeting of long noncoding RNA genes. *Nature Biotechnology*, **2020**, 38, 577-578	44.5	3
42	Structural Insights into the Specific Recognition of 5-methylcytosine and 5-hydroxymethylcytosine by TAL Effectors. *Journal of Molecular Biology*, **2020**, 432, 1035-1047	6.5	4
41	Adopt a moratorium on heritable genome editing. *Nature*, **2019**, 567, 165-168	50.4	213
40	Guide RNAs with embedded barcodes boost CRISPR-pooled screens. *Genome Biology*, **2019**, 20, 20	18.3	25
39	Human Neonatal Fc Receptor Is the Cellular Uncoating Receptor for Enterovirus B. *Cell*, **2019**, 177, 1553-1565.e16	56.2	54
38	Interrogating the noncoding genome in a high-throughput fashion. *National Science Review*, **2019**, 6, 397-399	10.8	
37	In vivo ways to unveil off-targets. *Cell Research*, **2019**, 29, 339-340	24.7	2
36	Programmable RNA editing by recruiting endogenous ADAR using engineered RNAs. *Nature Biotechnology*, **2019**, 37, 1059-1069	44.5	72

35	PASTMUS: mapping functional elements at single amino acid resolution in human cells. *Genome Biology*, **2019**, 20, 279	18.3	5
34	PrePAIRing Cas9s for screening success. *Nature Biotechnology*, **2018**, 36, 147-148	44.5	2
33	A surrogate reporter system for multiplexable evaluation of CRISPR/Cas9 in targeted mutagenesis. *Scientific Reports*, **2018**, 8, 1042	4.9	5
32	Genome-wide screening for functional long noncoding RNAs in human cells by Cas9 targeting of splice sites. *Nature Biotechnology*, **2018**,	44.5	71
31	Painting a specific chromosome with CRISPR/Cas9 for live-cell imaging. *Cell Research*, **2017**, 27, 298-301	24.7	37
30	Live visualization of genomic loci with BiFC-TALE. *Scientific Reports*, **2017**, 7, 40192	4.9	8
29	Attachment and Postattachment Receptors Important for Hepatitis C Virus Infection and Cell-to-Cell Transmission. *Journal of Virology*, **2017**, 91,	6.6	24
28	Deciphering TAL effectors for 5-methylcytosine and 5-hydroxymethylcytosine recognition. *Nature Communications*, **2017**, 8, 901	17.4	19
27	Glucosyltransferase Activity of Clostridium difficile Toxin B Triggers Autophagy-mediated Cell Growth Arrest. *Scientific Reports*, **2017**, 7, 10532	4.9	3
26	Genome-Wide CRISPR/Cas9 Screening for High-Throughput Functional Genomics in Human Cells. *Methods in Molecular Biology*, **2017**, 1656, 175-181	1.4	11
25	Questions about NgAgo. *Protein and Cell*, **2016**, 7, 913-915	7.2	16
24	Genome-scale deletion screening of human long non-coding RNAs using a paired-guide RNA CRISPR-Cas9 library. *Nature Biotechnology*, **2016**, 34, 1279-1286	44.5	269
23	Simultaneous generation of multi-gene knockouts in human cells. *FEBS Letters*, **2016**, 590, 4343-4353	3.8	10
22	Long-term dual-color tracking of genomic loci by modified sgRNAs of the CRISPR/Cas9 system. *Nucleic Acids Research*, **2016**, 44, e86	20.1	93
21	Mapping regulatory elements. *Nature Biotechnology*, **2016**, 34, 151-2	44.5	2
20	Assembly of Customized TAL Effectors Through Advanced ULtiMATE System. *Methods in Molecular Biology*, **2016**, 1338, 49-60	1.4	3
19	High-throughput screens in mammalian cells using the CRISPR-Cas9 system. *FEBS Journal*, **2015**, 282, 2089-96	5.7	42
18	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	4.9	39

17	Divergent roles of BECN1 in LC3 lipidation and autophagosomal function. *Autophagy*, **2015**, 11, 740-7	10.2	49
16	A microfluidic live cell assay to study anthrax toxin induced cell lethality assisted by conditioned medium. *Scientific Reports*, **2015**, 5, 8651	4.9	3
15	Chondroitin sulfate proteoglycan 4 functions as the cellular receptor for Clostridium difficile toxin B. *Cell Research*, **2015**, 25, 157-68	24.7	105
14	High-throughput screening of a CRISPR/Cas9 library for functional genomics in human cells. *Nature*, **2014**, 509, 487-91	50.4	512
13	SAP-regulated T Cell-APC adhesion and ligation-dependent and -independent Ly108-CD3 interactions. *Journal of Immunology*, **2014**, 193, 3860-71	5.3	21
12	Enrichment of the catenin-TCF complex at the S and G2 phases ensures cell survival and cell cycle progression. *Journal of Cell Science*, **2014**, 127, 4833-45	5.3	18
11	Bidirectional effect of Wnt signaling antagonist DKK1 on the modulation of anthrax toxin uptake. *Science China Life Sciences*, **2014**, 57, 469-81	8.5	9
10	Complete decoding of TAL effectors for DNA recognition. *Cell Research*, **2014**, 24, 628-31	24.7	46
9	ULtiMATE system for rapid assembly of customized TAL effectors. *PLoS ONE*, **2013**, 8, e75649	3.7	27
8	Txr1: a transcriptional regulator of thrombospondin-1 that modulates cellular sensitivity to taxanes. *Genes and Development*, **2006**, 20, 2082-95	12.6	45
7	The LDL receptor-related protein LRP6 mediates internalization and lethality of anthrax toxin. *Cell*, **2006**, 124, 1141-54	56.2	113
6	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, 17246-51	11.5	37
5	The gene coding for the Hrp pilus structural protein is required for type III secretion of Hrp and Avr proteins in Pseudomonas syringae pv. tomato. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 2247-52	11.5	113
4	Hrp pilus: an hrp-dependent bacterial surface appendage produced by Pseudomonas syringae pv. tomato DC3000. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 3459-64	11.5	296
3	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	6.9	148
2	Leveraging Endogenous ADAR for Programmable Editing on RNA		2
1	Genome-wide CRISPR activation screen identifies novel receptors for SARS-CoV-2 entry		2