Hiroshi Nishimasu

List of Publications by Year
in descending order

26 papers	6,095 citations	331670 21 h-index	552781 26 g-index
29 all docs	29 docs citations	29 times ranked	6503 citing authors

#	Article	IF	Citations
1	Crystal Structure of Cas9 in Complex with Guide RNA and Target DNA. Cell, 2014, 156, 935-949.	28.9	1,690
2	Engineered CRISPR-Cas9 nuclease with expanded targeting space. Science, 2018, 361, 1259-1262.	12.6	783
3	Crystal Structure of Cpf1 in Complex with Guide RNA and Target DNA. Cell, 2016, 165, 949-962.	28.9	552
4	Crystal Structure of Staphylococcus aureus Cas9. Cell, 2015, 162, 1113-1126.	28.9	357
5	Engineered Cpf1 variants with altered PAM specificities. Nature Biotechnology, 2017, 35, 789-792.	17.5	351
6	Structure and function of Zucchini endoribonuclease in piRNA biogenesis. Nature, 2012, 491, 284-287.	27.8	298
7	Structure and Engineering of Francisella novicida Cas9. Cell, 2016, 164, 950-961.	28.9	296
8	Cap-specific terminal N ⁶ -methylation of RNA by an RNA polymerase IIâ€“associated methyltransferase. Science, 2019, 363, .	12.6	262
9	Crystal structure of autotaxin and insight into GPCR activation by lipid mediators. Nature Structural and Molecular Biology, 2011, 18, 205-212.	8.2	217
10	Structural Basis for the Canonical and Non-canonical PAM Recognition by CRISPR-Cpf1. Molecular Cell, 2017, 67, 633-645.e3.	9.7	206
11	Genome editing in plants by engineered CRISPRâ€“Cas9 recognizing NG PAM. Nature Plants, 2019, 5, 14-17.	9.3	154
12	Crystal Structure of the Minimal Cas9 from Campylobacter jejuni Reveals the Molecular Diversity in the CRISPR-Cas9 Systems. Molecular Cell, 2017, 65, 1109-1121.e3.	9.7	145
13	Base editors for simultaneous introduction of C-to-T and A-to-G mutations. Nature Biotechnology, 2020, 38, 865-869.	17.5	137
14	Structural Basis for the Altered PAM Specificities of Engineered CRISPR-Cas9. Molecular Cell, 2016, 61, 886-894.	9.7	125
15	Amplification-free RNA detection with CRISPRâ€“Cas13. Communications Biology, 2021, 4, 476.	4.4	119
16	Structure of the miniature type V-F CRISPR-Cas effector enzyme. Molecular Cell, 2021, 81, 558-570.e3.	9.7	95
17	Structural Basis for Potent Inhibition of SIRT2 Deacetylase by a Macrocyclic Peptide Inducing Dynamic Structural Change. Structure, 2014, 22, 345-352.	3.3	79
18	Generation of a more efficient prime editor 2 by addition of the Rad51 DNA-binding domain. Nature Communications, 2021, 12, 5617.	12.8	47

#	Article	IF	Citations
19	A 3D view of autotaxin. Trends in Pharmacological Sciences, 2012, 33, 138-145.	8.7	42
20	Structural basis for the promiscuous PAM recognition by Corynebacterium diphtheriae Cas9. Nature Communications, 2019, 10, 1968.	12.8	33
21	Automated amplification-free digital RNA detection platform for rapid and sensitive SARS-CoV-2 diagnosis. Communications Biology, 2022, 5, .	4.4	28
22	Precise CAG repeat contraction in a Huntingtonâ€™s Disease mouse model is enabled by gene editing with SpCas9-NG. Communications Biology, 2021, 4, 771.	4.4	20
23	Structure of the Dicer-2â€“R2D2 heterodimer bound to a small RNA duplex. Nature, 2022, 607, 393-398.	27.8	20
24	Engineered Campylobacter jejuni Cas9 variant with enhanced activity and broader targeting range. Communications Biology, 2022, 5, 211.	4.4	19
25	Structure of the type V-C CRISPR-Cas effector enzyme. Molecular Cell, 2022, 82, 1865-1877.e4.	9.7	12
26	Structural Basis for Bifunctionality of FBPA/P. Seibutsu Butsuri, 2012, 52, 198-199.	0.1	0