

Hiroshi Nishimasu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Engineered <i>Campylobacter jejuni</i> Cas9 variant with enhanced activity and broader targeting range. <i>Communications Biology</i> , 2022, 5, 211.	4.4	19
2	Structure of the type V-C CRISPR-Cas effector enzyme. <i>Molecular Cell</i> , 2022, 82, 1865-1877.e4.	9.7	12
3	Automated amplification-free digital RNA detection platform for rapid and sensitive SARS-CoV-2 diagnosis. <i>Communications Biology</i> , 2022, 5, .	4.4	28
4	Structure of the Dicer-2â€“R2D2 heterodimer bound to a small RNA duplex. <i>Nature</i> , 2022, 607, 393-398.	27.8	20
5	Structure of the miniature type V-F CRISPR-Cas effector enzyme. <i>Molecular Cell</i> , 2021, 81, 558-570.e3.	9.7	95
6	Amplification-free RNA detection with CRISPRâ€“Cas13. <i>Communications Biology</i> , 2021, 4, 476.	4.4	119
7	Precise CAG repeat contraction in a Huntingtonâ€™s Disease mouse model is enabled by gene editing with SpCas9-NG. <i>Communications Biology</i> , 2021, 4, 771.	4.4	20
8	Generation of a more efficient prime editor 2 by addition of the Rad51 DNA-binding domain. <i>Nature Communications</i> , 2021, 12, 5617.	12.8	47
9	Base editors for simultaneous introduction of C-to-T and A-to-G mutations. <i>Nature Biotechnology</i> , 2020, 38, 865-869.	17.5	137
10	Structural basis for the promiscuous PAM recognition by <i>Corynebacterium diphtheriae</i> Cas9. <i>Nature Communications</i> , 2019, 10, 1968.	12.8	33
11	Cap-specific terminal <i>N</i> ⁶ -methylation of RNA by an RNA polymerase II-associated methyltransferase. <i>Science</i> , 2019, 363, .	12.6	262
12	Genome editing in plants by engineered CRISPRâ€“Cas9 recognizing NG PAM. <i>Nature Plants</i> , 2019, 5, 14-17.	9.3	154
13	Engineered CRISPR-Cas9 nuclease with expanded targeting space. <i>Science</i> , 2018, 361, 1259-1262.	12.6	783
14	Crystal Structure of the Minimal Cas9 from <i>Campylobacter jejuni</i> Reveals the Molecular Diversity in the CRISPR-Cas9 Systems. <i>Molecular Cell</i> , 2017, 65, 1109-1121.e3.	9.7	145
15	Structural Basis for the Canonical and Non-canonical PAM Recognition by CRISPR-Cpf1. <i>Molecular Cell</i> , 2017, 67, 633-645.e3.	9.7	206
16	Engineered Cpf1 variants with altered PAM specificities. <i>Nature Biotechnology</i> , 2017, 35, 789-792.	17.5	351
17	Crystal Structure of Cpf1 in Complex with Guide RNA and Target DNA. <i>Cell</i> , 2016, 165, 949-962.	28.9	552
18	Structural Basis for the Altered PAM Specificities of Engineered CRISPR-Cas9. <i>Molecular Cell</i> , 2016, 61, 886-894.	9.7	125

#	ARTICLE	IF	CITATIONS
19	Structure and Engineering of Francisella novicida Cas9. Cell, 2016, 164, 950-961.	28.9	296
20	Crystal Structure of Staphylococcus aureus Cas9. Cell, 2015, 162, 1113-1126.	28.9	357
21	Crystal Structure of Cas9 in Complex with Guide RNA and Target DNA. Cell, 2014, 156, 935-949.	28.9	1,690
22	Structural Basis for Potent Inhibition of SIRT2 Deacetylase by a Macrocyclic Peptide Inducing Dynamic Structural Change. Structure, 2014, 22, 345-352.	3.3	79
23	A 3D view of autotaxin. Trends in Pharmacological Sciences, 2012, 33, 138-145.	8.7	42
24	Structure and function of Zucchini endoribonuclease in piRNA biogenesis. Nature, 2012, 491, 284-287.	27.8	298
25	Structural Basis for Bifunctionality of FBPA/P. Seibutsu Butsuri, 2012, 52, 198-199.	0.1	0
26	Crystal structure of autotaxin and insight into GPCR activation by lipid mediators. Nature Structural and Molecular Biology, 2011, 18, 205-212.	8.2	217