Jonathan S Gootenberg

List of Publications by Year
in descending order

44	30,024	126708 33	205818 48
papers	citations	h-index	g-index

62	62	62	23701
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and engineering of the type III-E CRISPR-Cas7-11 effector complex. Cell, 2022, 185, 2324-2337.e16.	13.5	51
2	CRISPR diagnostics. Science, 2021, 372, 914-915.	6.0	52
3	A global metagenomic map of urban microbiomes and antimicrobial resistance. Cell, 2021, 184, 3376-3393.e17.	13.5	164
4	CRISPR-based diagnostics. Nature Biomedical Engineering, 2021, 5, 643-656.	11.6	492
5	Programmable RNA targeting with the single-protein CRISPR effector Cas7-11. Nature, 2021, 597, 720-725.	13.7	155
6	A Survey of Genome Editing Activity for 16 Cas12a Orthologs. Keio Journal of Medicine, 2020, 69, 59-65.	0.5	41
7	Clinical validation of a Cas13-based assay for the detection of SARS-CoV-2 RNA. Nature Biomedical Engineering, 2020, 4, 1140-1149.	11.6	442
8	Detection of SARS-CoV-2 with SHERLOCK One-Pot Testing. New England Journal of Medicine, 2020, 383, 1492-1494.	13.9	506
9	Rapid and accurate species identification for ecological studies and monitoring using CRISPRâ€based SHERLOCK. Molecular Ecology Resources, 2020, 20, 961-970.	2.2	35
10	Rapid SARS-CoV-2 testing in primary material based on a novel multiplex RT-LAMP assay. PLoS ONE, 2020, 15, e0238612.	1.1	58
11	CRISPR Tools for Systematic Studies of RNA Regulation. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035386.	2.3	22
12	A cytosine deaminase for programmable single-base RNA editing. Science, 2019, 365, 382-386.	6.0	322
13	Nucleic Acid Detection of Plant Genes Using CRISPR-Cas13. CRISPR Journal, 2019, 2, 165-171.	1.4	92
14	Programmable Inhibition and Detection of RNA Viruses Using Cas13. Molecular Cell, 2019, 76, 826-837.e11.	4.5	286
15	SHERLOCK: nucleic acid detection with CRISPR nucleases. Nature Protocols, 2019, 14, 2986-3012.	5.5	851
16	Chipping in on Diagnostics. CRISPR Journal, 2019, 2, 69-71.	1.4	4
17	Structural basis for the promiscuous PAM recognition by Corynebacterium diphtheriae Cas9. Nature Communications, 2019, 10, 1968.	5.8	33
18	High-Resolution Structure of Cas13b and Biochemical Characterization of RNA Targeting and Cleavage. Cell Reports, 2019, 26, 3741-3751.e5.	2.9	102

#	Article	IF	Citations
19	S15.2â€…Crispr diagnostics: expanding the nucleic acid detection toolbox by harnessing microbial diversity. , 2019, , .		0
20	Multiplexed and portable nucleic acid detection platform with Cas13, Cas12a, and Csm6. Science, 2018, 360, 439-444.	6.0	1,649
21	Field-deployable viral diagnostics using CRISPR-Cas13. Science, 2018, 360, 444-448.	6.0	982
22	Engineered CRISPR-Cas9 nuclease with expanded targeting space. Science, 2018, 361, 1259-1262.	6.0	783
23	Pairwise library screen systematically interrogates Staphylococcus aureus Cas9 specificity in human cells. Nature Communications, 2018, 9, 2962.	5.8	32
24	Diversity and evolution of class 2 CRISPRâ€“Cas systems. Nature Reviews Microbiology, 2017, 15, 169-182.	13.6	792
25	Nucleic acid detection with CRISPR-Cas13a/C2c2. Science, 2017, 356, 438-442.	6.0	2,275
26	Multiplex gene editing by CRISPRâ€“Cpf1 using a single crRNA array. Nature Biotechnology, 2017, 35, 31-34.	9.4	736
27	Genome-scale CRISPR-Cas9 knockout and transcriptional activation screening. Nature Protocols, 2017, 12, 828-863.	5.5	858
28	Barcode extension for analysis and reconstruction of structures. Nature Communications, 2017, 8, 14698.	5.8	17
29	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.	4.5	145
30	Cas13b Is a Type VI-B CRISPR-Associated RNA-Guided RNase Differentially Regulated by Accessory Proteins Csx27 and Csx28. Molecular Cell, 2017, 65, 618-630.e7.	4.5	445
31	RNA editing with CRISPR-Cas13. Science, 2017, 358, 1019-1027.	6.0	1,301
32	RNA targeting with CRISPRâ€“Cas13. Nature, 2017, 550, 280-284.	13.7	1,442
33	Genome-scale activation screen identifies a lncRNA locus regulating a gene neighbourhood. Nature, 2017, 548, 343-346.	13.7	336
34	C2c2 is a single-component programmable RNA-guided RNA-targeting CRISPR effector. Science, 2016, 353, aaf5573.	6.0	1,647
35	Structure and Engineering of Francisella novicida Cas9. Cell, 2016, 164, 950-961.	13.5	296
36	Engineered bromodomains to explore the acetylproteome. Proteomics, 2015, 15, 1470-1475.	1.3	10

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37	In vivo genome editing using Staphylococcus aureus Cas9. Nature, 2015, 520, 186-191.	13.7	2,237
38	Orthogonal gene knockout and activation with a catalytically active Cas9 nuclease. Nature Biotechnology, 2015, 33, 1159-1161.	9.4	231
39	Cpf1 Is a Single RNA-Guided Endonuclease of a Class 2 CRISPR-Cas System. Cell, 2015, 163, 759-771.	13.5	3,558
40	Discovery and Functional Characterization of Diverse Class 2 CRISPR-Cas Systems. Molecular Cell, 2015, 60, 385-397.	4.5	971
41	Genome-scale transcriptional activation by an engineered CRISPR-Cas9 complex. Nature, 2015, 517, 583-588.	13.7	2,272
42	Double Nicking by RNA-Guided CRISPR Cas9 for Enhanced Genome Editing Specificity. Cell, 2013, 154, 1380-1389.	13.5	2,862
43	Double Nicking by RNA-Guided CRISPR Cas9 for Enhanced Genome Editing Specificity. Cell, 2013, 155, 479-480.	13.5	45
44	Abstract 1978: The poly-SUMO protein specific E3 ubiquitin ligase RNF4 is induced in multiple myeloma and reduces bortezomib-induced cell killing. , 2010, , .		0