

# Samuel H Sternberg

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

9,607  
citations

236925

25  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

9451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary and mechanistic diversity of Type I-F CRISPR-associated transposons. <i>Molecular Cell</i> , 2022, 82, 616-628.e5.	9.7	36
2	CRISPR RNA-guided integrases for high-efficiency, multiplexed bacterial genome engineering. <i>Nature Biotechnology</i> , 2021, 39, 480-489.	17.5	179
3	Unbiased profiling of CRISPR RNA-guided transposition products by long-read sequencing. <i>Mobile DNA</i> , 2021, 12, 13.	3.6	35
4	Structural basis of DNA targeting by a transposon-encoded CRISPR-Cas system. <i>Nature</i> , 2020, 577, 271-274.	27.8	86
5	CRISPR-Cas immune systems and genome engineering. , 2020, , 157-177.		0
6	Transposon-encoded CRISPR-Cas systems direct RNA-guided DNA integration. <i>Nature</i> , 2019, 571, 219-225.	27.8	420
7	Harnessing type I CRISPR-Cas systems for genome engineering in human cells. <i>Nature Biotechnology</i> , 2019, 37, 1471-1477.	17.5	91
8	Harnessing "A Billion Years of Experimentation" The Ongoing Exploration and Exploitation of CRISPR-Cas Immune Systems. <i>CRISPR Journal</i> , 2018, 1, 141-158.	2.9	44
9	High-throughput biochemical profiling reveals sequence determinants of dCas9 off-target binding and unbinding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5461-5466.	7.1	165
10	Enhanced proofreading governs CRISPR-Cas9 targeting accuracy. <i>Nature</i> , 2017, 550, 407-410.	27.8	901
11	A conformational checkpoint between DNA binding and cleavage by CRISPR-Cas9. <i>Science Advances</i> , 2017, 3, eaao0027.	10.3	211
12	Adaptation in CRISPR-Cas Systems. <i>Molecular Cell</i> , 2016, 61, 797-808.	9.7	192
13	Real-time observation of DNA recognition and rejection by the RNA-guided endonuclease Cas9. <i>Nature Communications</i> , 2016, 7, 12778.	12.8	221
14	Expanding the Biologist's Toolkit with CRISPR-Cas9. <i>Molecular Cell</i> , 2015, 58, 568-574.	9.7	351
15	Rational design of a split-Cas9 enzyme complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2984-2989.	7.1	255
16	A prudent path forward for genomic engineering and germline gene modification. <i>Science</i> , 2015, 348, 36-38.	12.6	541
17	Conformational control of DNA target cleavage by CRISPR-Cas9. <i>Nature</i> , 2015, 527, 110-113.	27.8	514
18	Surveillance and Processing of Foreign DNA by the Escherichia coli CRISPR-Cas System. <i>Cell</i> , 2015, 163, 854-865.	28.9	177

#	ARTICLE	IF	CITATIONS
19	Structures of Cas9 Endonucleases Reveal RNA-Mediated Conformational Activation. <i>Science</i> , 2014, 343, 1247997.	12.6	938
20	CasA mediates Cas3-catalyzed target degradation during CRISPR RNA-guided interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6618-6623.	7.1	206
21	DNA interrogation by the CRISPR RNA-guided endonuclease Cas9. <i>Nature</i> , 2014, 507, 62-67.	27.8	1,573
22	Programmable RNA recognition and cleavage by CRISPR/Cas9. <i>Nature</i> , 2014, 516, 263-266.	27.8	533
23	Csy4 relies on an unusual catalytic dyad to position and cleave CRISPR RNA. <i>EMBO Journal</i> , 2012, 31, 2824-2832.	7.8	90
24	Mechanism of substrate selection by a highly specific CRISPR endoribonuclease. <i>Rna</i> , 2012, 18, 661-672.	3.5	133
25	RNA-guided genetic silencing systems in bacteria and archaea. <i>Nature</i> , 2012, 482, 331-338.	27.8	1,584
26	Substrate-Specific Kinetics of Dicer-Catalyzed RNA Processing. <i>Journal of Molecular Biology</i> , 2010, 404, 392-402.	4.2	126