

Patrick D Hsu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28
papers

30,539
citations

20
h-index

35
g-index

35
ext. papers

36,975
ext. citations

28
avg, IF

7.21
L-index

#	Paper	IF	Citations
28	Rapid, point-of-care molecular diagnostics with Cas13 2021 ,		7
27	Accelerated RNA detection using tandem CRISPR nucleases 2021 ,		3
26	Accelerated RNA detection using tandem CRISPR nucleases. <i>Nature Chemical Biology</i> , 2021 , 17, 982-988	11.7	25
25	Ribosomal protein S11 influences glioma response to TOP2 poisons. <i>Oncogene</i> , 2020 , 39, 5068-5081	9.2	7
24	Programmable RNA Targeting Using CasRx in Flies. <i>CRISPR Journal</i> , 2020 , 3, 164-176	2.5	26
23	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. <i>Nature Biotechnology</i> , 2020 , 38, 1174-1183	44.5	166
22	A Catalogue of Cas9 Orthologs to Advance Genome Engineering. <i>CRISPR Journal</i> , 2020 , 3, 427-430	2.5	
21	Transcriptome Engineering with RNA-Targeting Type VI-D CRISPR Effectors. <i>Cell</i> , 2018 , 173, 665-676.e14	56.2	444
20	Pairwise library screen systematically interrogates <i>Staphylococcus aureus</i> Cas9 specificity in human cells. <i>Nature Communications</i> , 2018 , 9, 2962	17.4	18
19	Structural Basis for the RNA-Guided Ribonuclease Activity of CRISPR-Cas13d. <i>Cell</i> , 2018 , 175, 212-223.e17	56.2	96
18	Structure and Engineering of <i>Francisella novicida</i> Cas9. <i>Cell</i> , 2016 , 164, 950-61	56.2	225
17	Methods for Optimizing CRISPR-Cas9 Genome Editing Specificity. <i>Molecular Cell</i> , 2016 , 63, 355-70	17.6	190
16	Delivery and Specificity of CRISPR-Cas9 Genome Editing Technologies for Human Gene Therapy. <i>Human Gene Therapy</i> , 2015 , 26, 443-51	4.8	130
15	Genome-scale transcriptional activation by an engineered CRISPR-Cas9 complex. <i>Nature</i> , 2015 , 517, 583-8	50.4	1628
14	Genome-wide binding of the CRISPR endonuclease Cas9 in mammalian cells. <i>Nature Biotechnology</i> , 2014 , 32, 670-6	44.5	666
13	Development and applications of CRISPR-Cas9 for genome engineering. <i>Cell</i> , 2014 , 157, 1262-1278	56.2	3595
12	RNA-guided genome editing of mammalian cells. <i>Methods in Molecular Biology</i> , 2014 , 1114, 269-77	1.4	35

11	Crystal structure of Cas9 in complex with guide RNA and target DNA. <i>Cell</i> , 2014 , 156, 935-49	56.2	1131
10	DNA targeting specificity of RNA-guided Cas9 nucleases. <i>Nature Biotechnology</i> , 2013 , 31, 827-32	44.5	3056
9	Optical control of mammalian endogenous transcription and epigenetic states. <i>Nature</i> , 2013 , 500, 472-476	36.4	635
8	Double nicking by RNA-guided CRISPR Cas9 for enhanced genome editing specificity. <i>Cell</i> , 2013 , 154, 1380-9	56.2	2348
7	Genome engineering using the CRISPR-Cas9 system. <i>Nature Protocols</i> , 2013 , 8, 2281-2308	18.8	6243
6	Multiplex genome engineering using CRISPR/Cas systems. <i>Science</i> , 2013 , 339, 819-23	33.3	9746
5	Dissecting neural function using targeted genome engineering technologies. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 603-10	5.7	34
4	Twinfilin 2 regulates actin filament lengths in cochlear stereocilia. <i>Journal of Neuroscience</i> , 2009 , 29, 15083-8	6.6	70
3	Programmable RNA Targeting using CasRx in Flies		1
2	Genome-wide, bidirectional CRISPR screens identify mucins as critical host factors modulating SARS-CoV-2 infection		12
1	Deep learning of Cas13 guide activity from high-throughput gene essentiality screening		1