Patrick D Hsu

List of Publications by Citations

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	Multiplex genome engineering using CRISPR/Cas systems. *Science*, **2013**, 339, 819-23	33.3	9746
27	Genome engineering using the CRISPR-Cas9 system. *Nature Protocols*, **2013**, 8, 2281-2308	18.8	6243
26	Development and applications of CRISPR-Cas9 for genome engineering. *Cell*, **2014**, 157, 1262-1278	56.2	3595
25	DNA targeting specificity of RNA-guided Cas9 nucleases. *Nature Biotechnology*, **2013**, 31, 827-32	44.5	3056
24	Double nicking by RNA-guided CRISPR Cas9 for enhanced genome editing specificity. *Cell*, **2013**, 154, 1380-9	56.2	2348
23	Genome-scale transcriptional activation by an engineered CRISPR-Cas9 complex. *Nature*, **2015**, 517, 583-8	50.4	1628
22	Crystal structure of Cas9 in complex with guide RNA and target DNA. *Cell*, **2014**, 156, 935-49	56.2	1131
21	Genome-wide binding of the CRISPR endonuclease Cas9 in mammalian cells. *Nature Biotechnology*, **2014**, 32, 670-6	44.5	666
20	Optical control of mammalian endogenous transcription and epigenetic states. *Nature*, **2013**, 500, 472-476	50.4	635
19	Transcriptome Engineering with RNA-Targeting Type VI-D CRISPR Effectors. *Cell*, **2018**, 173, 665-676.e14	56.2	444
18	Structure and Engineering of Francisella novicida Cas9. *Cell*, **2016**, 164, 950-61	56.2	225
17	Methods for Optimizing CRISPR-Cas9 Genome Editing Specificity. *Molecular Cell*, **2016**, 63, 355-70	17.6	190
16	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. *Nature Biotechnology*, **2020**, 38, 1174-1183	44.5	166
15	Delivery and Specificity of CRISPR-Cas9 Genome Editing Technologies for Human Gene Therapy. *Human Gene Therapy*, **2015**, 26, 443-51	4.8	130
14	Structural Basis for the RNA-Guided Ribonuclease Activity of CRISPR-Cas13d. *Cell*, **2018**, 175, 212-223.e17	56.2	96
13	Twinfilin 2 regulates actin filament lengths in cochlear stereocilia. *Journal of Neuroscience*, **2009**, 29, 15083-8	6.6	70
12	RNA-guided genome editing of mammalian cells. *Methods in Molecular Biology*, **2014**, 1114, 269-77	1.4	35

List of Publications

No.	Publication	IF	Cites
11	Dissecting neural function using targeted genome engineering technologies. *ACS Chemical Neuroscience*, **2012**, 3, 603-10	5.7	34
10	Programmable RNA Targeting Using CasRx in Flies. *CRISPR Journal*, **2020**, 3, 164-176	2.5	26
9	Accelerated RNA detection using tandem CRISPR nucleases. *Nature Chemical Biology*, **2021**, 17, 982-988	11.7	25
8	Pairwise library screen systematically interrogates Staphylococcus aureus Cas9 specificity in human cells. *Nature Communications*, **2018**, 9, 2962	17.4	18
7	Genome-wide, bidirectional CRISPR screens identify mucins as critical host factors modulating SARS-CoV-2 infection		12
6	Ribosomal protein S11 influences glioma response to TOP2 poisons. *Oncogene*, **2020**, 39, 5068-5081	9.2	7
5	Rapid, point-of-care molecular diagnostics with Cas13 **2021**,		7
4	Accelerated RNA detection using tandem CRISPR nucleases **2021**,		3
3	Programmable RNA Targeting using CasRx in Flies		1
2	Deep learning of Cas13 guide activity from high-throughput gene essentiality screening		1
1	A Catalogue of Cas9 Orthologs to Advance Genome Engineering. *CRISPR Journal*, **2020**, 3, 427-430	2.5	