

# Yibei Xiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6883565/publications.pdf>

Version: 2024-02-01

14  
papers

1,089  
citations

840776

11  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

979  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures of CRISPR Cas3 offer mechanistic insights into Cascade-activated DNA unwinding and degradation. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 771-777.	8.2	167
2	Structure Basis for Directional R-loop Formation and Substrate Handover Mechanisms in Type I CRISPR-Cas System. <i>Cell</i> , 2017, 170, 48-60.e11.	28.9	162
3	Structural basis for promiscuous PAM recognition in type I-E Cascade from <i>E. coli</i> . <i>Nature</i> , 2016, 530, 499-503.	27.8	157
4	Introducing a Spectrum of Long-Range Genomic Deletions in Human Embryonic Stem Cells Using Type I CRISPR-Cas. <i>Molecular Cell</i> , 2019, 74, 936-950.e5.	9.7	123
5	How type II CRISPR-Cas establish immunity through Cas1-Cas2-mediated spacer integration. <i>Nature</i> , 2017, 550, 137-141.	27.8	111
6	Structure basis for RNA-guided DNA degradation by Cascade and Cas3. <i>Science</i> , 2018, 361, .	12.6	97
7	Massively Parallel Biophysical Analysis of CRISPR-Cas Complexes on Next Generation Sequencing Chips. <i>Cell</i> , 2017, 170, 35-47.e13.	28.9	96
8	Assembly and Translocation of a CRISPR-Cas Primed Acquisition Complex. <i>Cell</i> , 2018, 175, 934-946.e15.	28.9	74
9	Cas11 enables genome engineering in human cells with compact CRISPR-Cas3 systems. <i>Molecular Cell</i> , 2022, 82, 852-867.e5.	9.7	40
10	Real-time observation of CRISPR spacer acquisition by Cas1-Cas2 integrase. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 489-499.	8.2	18
11	PIWI Takes a Giant Step. <i>Cell</i> , 2016, 167, 310-312.	28.9	14
12	Sortase-mediated fluorescent labeling of CRISPR complexes. <i>Methods in Enzymology</i> , 2019, 616, 43-59.	1.0	10
13	Discovery of 4-O-methylscutellarein as a potent SARS-CoV-2 main protease inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 2022, 604, 76-82.	2.1	9
14	Reconstitution and biochemical characterization of ribonucleoprotein complexes in Type I-E CRISPR-Cas systems. <i>Methods in Enzymology</i> , 2019, 616, 27-41.	1.0	2