

# Yuan-Jyue Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9012837/publications.pdf>

Version: 2024-02-01

15  
papers

1,916  
citations

687363

13  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1856  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA nanotechnology from the test tube to the cell. <i>Nature Nanotechnology</i> , 2015, 10, 748-760.	31.5	501
2	Random access in large-scale DNA data storage. <i>Nature Biotechnology</i> , 2018, 36, 242-248.	17.5	445
3	Programmable chemical controllers made from DNA. <i>Nature Nanotechnology</i> , 2013, 8, 755-762.	31.5	439
4	Computing in mammalian cells with nucleic acid strand exchange. <i>Nature Nanotechnology</i> , 2016, 11, 287-294.	31.5	190
5	Probing the physical limits of reliable DNA data retrieval. <i>Nature Communications</i> , 2020, 11, 616.	12.8	62
6	Quantifying molecular bias in DNA data storage. <i>Nature Communications</i> , 2020, 11, 3264.	12.8	53
7	Synthetic DNA applications in information technology. <i>Nature Communications</i> , 2022, 13, 352.	12.8	52
8	Molecular-level similarity search brings computing to DNA data storage. <i>Nature Communications</i> , 2021, 12, 4764.	12.8	34
9	Multilevel LINC System Designs for Power Efficiency Enhancement of Transmitters. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2009, 3, 523-532.	10.8	33
10	A deep learning model for predicting next-generation sequencing depth from DNA sequence. <i>Nature Communications</i> , 2021, 12, 4387.	12.8	26
11	Nucleic Acid Strand Displacement with Synthetic mRNA Inputs in Living Mammalian Cells. <i>ACS Synthetic Biology</i> , 2018, 7, 2737-2741.	3.8	25
12	A Content-Addressable DNA Database with Learned Sequence Encodings. <i>Lecture Notes in Computer Science</i> , 2018, , 55-70.	1.3	20
13	Using Strand Displacing Polymerase To Program Chemical Reaction Networks. <i>Journal of the American Chemical Society</i> , 2020, 142, 9587-9593.	13.7	19
14	Combinatorial PCR Method for Efficient, Selective Oligo Retrieval from Complex Oligo Pools. <i>ACS Synthetic Biology</i> , 2022, 11, 1727-1734.	3.8	8
15	Plasmid-derived DNA Strand Displacement Gates for Implementing Chemical Reaction Networks. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	4