

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