

# Chenxiang Lin

## List of Publications by Year in descending order

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46  
papers

3,989  
citations

201674

27  
h-index

206112

48  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3429  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA origami. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	382
2	DNA Tile Based Self-Assembly: Building Complex Nanoarchitectures. <i>ChemPhysChem</i> , 2006, 7, 1641-1647.	2.1	352
3	Designer DNA Nanoarchitectures. <i>Biochemistry</i> , 2009, 48, 1663-1674.	2.5	260
4	Submicrometre geometrically encoded fluorescent barcodes self-assembled from DNA. <i>Nature Chemistry</i> , 2012, 4, 832-839.	13.6	252
5	Self-assembly of size-controlled liposomes on DNA nanotemplates. <i>Nature Chemistry</i> , 2016, 8, 476-483.	13.6	222
6	Aptamer-Directed Self-Assembly of Protein Arrays on a DNA Nanostructure. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4333-4338.	13.8	192
7	Modulation of the Cellular Uptake of DNA Origami through Control over Mass and Shape. <i>Nano Letters</i> , 2018, 18, 3557-3564.	9.1	183
8	Placing and shaping liposomes with reconfigurable DNA nanocages. <i>Nature Chemistry</i> , 2017, 9, 653-659.	13.6	178
9	DNAâ€Tileâ€Directed Selfâ€Assembly of Quantum Dots into Twoâ€Dimensional Nanopatterns. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5157-5159.	13.8	151
10	Self-Assembled Signaling Aptamer DNA Arrays for Protein Detection. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5296-5301.	13.8	141
11	Purification of DNA-origami nanostructures by rate-zonal centrifugation. <i>Nucleic Acids Research</i> , 2013, 41, e40-e40.	14.5	133
12	Knitting complex weaves with DNA origami. <i>Current Opinion in Structural Biology</i> , 2010, 20, 276-282.	5.7	128
13	Self-Assembled Combinatorial Encoding Nanoarrays for Multiplexed Biosensing. <i>Nano Letters</i> , 2007, 7, 507-512.	9.1	116
14	In vivo cloning of artificial DNA nanostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17626-17631.	7.1	111
15	Recovery of intact DNA nanostructures after agarose gelâ€based separation. <i>Nature Methods</i> , 2011, 8, 192-194.	19.0	88
16	Vesicle Tubulation with Selfâ€Assembling DNA Nanosprings. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5330-5334.	13.8	85
17	A Programmable DNA Origami Platform for Organizing Intrinsically Disordered Nucleoporins within Nanopore Confinement. <i>ACS Nano</i> , 2018, 12, 1508-1518.	14.6	84
18	Tiamat: A Three-Dimensional Editing Tool for Complex DNA Structures. <i>Lecture Notes in Computer Science</i> , 2009, , 90-101.	1.3	83

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19	A Programmable DNA Origami Platform to Organize SNAREs for Membrane Fusion. <i>Journal of the American Chemical Society</i> , 2016, 138, 4439-4447.	13.7	78
20	Rolling Circle Enzymatic Replication of a Complex Multi-Crossover DNA Nanostructure. <i>Journal of the American Chemical Society</i> , 2007, 129, 14475-14481.	13.7	66
21	A programmable DNA-origami platform for studying lipid transfer between bilayers. <i>Nature Chemical Biology</i> , 2019, 15, 830-837.	8.0	66
22	Mirror Image DNA Nanostructures for Chiral Supramolecular Assemblies. <i>Nano Letters</i> , 2009, 9, 433-436.	9.1	63
23	Rolling-Circle Amplification of a DNA Nanojunction. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7537-7539.	13.8	55
24	Fluorogenic DNA-PAINT for faster, low-background super-resolution imaging. <i>Nature Methods</i> , 2022, 19, 554-559.	19.0	44
25	DNA Origami Rotaxanes: Tailored Synthesis and Controlled Structure Switching. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11412-11416.	13.8	40
26	Omicron-specific mRNA vaccination alone and as a heterologous booster against SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, .	12.8	40
27	Engineering Lipid Membranes with Programmable DNA Nanostructures. <i>Advanced Biology</i> , 2020, 4, 1900215.	3.0	34
28	Sorting sub-150-nm liposomes of distinct sizes by DNA-brick-assisted centrifugation. <i>Nature Chemistry</i> , 2021, 13, 335-342.	13.6	34
29	Stiffness and Membrane Anchor Density Modulate DNA-Nanospring-Induced Vesicle Tubulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22987-22992.	8.0	23
30	DNA Origami Post-Processing by CRISPR-Cas12a. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3956-3960.	13.8	22
31	Controlled Co-reconstitution of Multiple Membrane Proteins in Lipid Bilayer Nanodiscs Using DNA as a Scaffold. <i>ACS Chemical Biology</i> , 2015, 10, 2448-2454.	3.4	21
32	Layer-by-layer growth of superparamagnetic, fluorescent barcode nanospheres. <i>Nanotechnology</i> , 2007, 18, 405604.	2.6	20
33	DNA Origami Rotaxanes: Tailored Synthesis and Controlled Structure Switching. <i>Angewandte Chemie</i> , 2016, 128, 11584-11588.	2.0	19
34	Signal amplification on a DNA-tile-based biosensor with enhanced sensitivity. <i>Nanomedicine</i> , 2008, 3, 521-528.	3.3	17
35	DNA-Origami NanoTrap for Studying the Selective Barriers Formed by Phenylalanine-Glycine-Rich Nucleoporins. <i>Journal of the American Chemical Society</i> , 2021, 143, 12294-12303.	13.7	15
36	Frame-Guided Assembly of Amphiphiles. <i>Accounts of Chemical Research</i> , 2022, 55, 1938-1948.	15.6	15

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37	Quantification of Biomolecular Dynamics Inside Real and Synthetic Nuclear Pore Complexes Using Time-Resolved Atomic Force Microscopy. <i>ACS Nano</i> , 2019, 13, 7949-7956.	14.6	14
38	Vesicle Tubulation with Self-Assembling DNA Nanosprings. <i>Angewandte Chemie</i> , 2018, 130, 5428-5432.	2.0	10
39	Variant-specific vaccination induces systems immune responses and potent in vivo protection against SARS-CoV-2. <i>Cell Reports Medicine</i> , 2022, 3, 100634.	6.5	10
40	FisB relies on homo-oligomerization and lipid binding to catalyze membrane fission in bacteria. <i>PLoS Biology</i> , 2021, 19, e3001314.	5.6	9
41	DNA-Origami-Based Fluorescence Brightness Standards for Convenient and Fast Protein Counting in Live Cells. <i>Nano Letters</i> , 2020, 20, 8890-8896.	9.1	8
42	Directing reconfigurable DNA nanoarrays. <i>Science</i> , 2017, 357, 352-353.	12.6	5
43	Synthesis and Characterization of Self-Assembled DNA Nanostructures. <i>Methods in Molecular Biology</i> , 2011, 749, 1-11.	0.9	3
44	DNA Origami Post-Processing by CRISPR-Cas12a. <i>Angewandte Chemie</i> , 2020, 132, 3984-3988.	2.0	3
45	RNA returns to the fold. <i>Nature Chemistry</i> , 2020, 12, 221-222.	13.6	1
46	DNA-based self-assembly of nanostructures. , 2017, , .		0