

# Zhao Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,919  
citations

236925

25  
h-index

168389

53  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3857  
citing authors

#	ARTICLE	IF	CITATIONS
1	A partition-ligation-combination-subdivision EM algorithm for haplotype inference with multiallelic markers: update of the SHEsis ( <a href="http://analysis.bio-x.cn">http://analysis.bio-x.cn</a> ). <i>Cell Research</i> , 2009, 19, 519-523.	12.0	706
2	Single-Step Rapid Assembly of DNA Origami Nanostructures for Addressable Nanoscale Bioreactors. <i>Journal of the American Chemical Society</i> , 2013, 135, 696-702.	13.7	242
3	Placing and shaping liposomes with reconfigurable DNA nanocages. <i>Nature Chemistry</i> , 2017, 9, 653-659.	13.6	178
4	A DNA-Origami Chip Platform for Label-Free SNP Genotyping Using Toehold-Mediated Strand Displacement. <i>Small</i> , 2010, 6, 1854-1858.	10.0	125
5	Slicing and Binding by Ago3 or Aub Trigger Piwi-Bound piRNA Production by Distinct Mechanisms. <i>Molecular Cell</i> , 2015, 59, 819-830.	9.7	112
6	Analogic China map constructed by DNA. <i>Science Bulletin</i> , 2006, 51, 2973-2976.	1.7	109
7	A DNA-Origami Chip Platform for Label-Free SNP Genotyping Using Toehold-Mediated Strand Displacement. <i>Small</i> , 2010, 6, n/a-n/a.	10.0	101
8	Vesicle Tubulation with Self-Assembling DNA Nanosprings. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5330-5334.	13.8	85
9	Direct Visualization of Transient Thermal Response of a DNA Origami. <i>Journal of the American Chemical Society</i> , 2012, 134, 9844-9847.	13.7	76
10	A Comparative Proteomics Analysis of Rat Mitochondria from the Cerebral Cortex and Hippocampus in Response to Antipsychotic Medications. <i>Journal of Proteome Research</i> , 2009, 8, 3633-3641.	3.7	69
11	A programmable DNA-origami platform for studying lipid transfer between bilayers. <i>Nature Chemical Biology</i> , 2019, 15, 830-837.	8.0	66
12	SHEsisEpi, a GPU-enhanced genome-wide SNP-SNP interaction scanning algorithm, efficiently reveals the risk genetic epistasis in bipolar disorder. <i>Cell Research</i> , 2010, 20, 854-857.	12.0	63
13	Asymmetric DNA Origami for Spatially Addressable and Index-Free Solution-Phase DNA Chips. <i>Advanced Materials</i> , 2010, 22, 2672-2675.	21.0	62
14	A DNA-Mediated Homogeneous Binding Assay for Proteins and Small Molecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 11115-11120.	13.7	61
15	Label-free quantitative proteomic analysis reveals dysfunction of complement pathway in peripheral blood of schizophrenia patients: evidence for the immune hypothesis of schizophrenia. <i>Molecular BioSystems</i> , 2012, 8, 2664.	2.9	57
16	Self-Assembly of DNA Origami and Single-Stranded Tile Structures at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9219-9223.	13.8	53
17	Rare CNVs and Tag SNPs at 15q11.2 Are Associated With Schizophrenia in the Han Chinese Population. <i>Schizophrenia Bulletin</i> , 2013, 39, 712-719.	4.3	52
18	Fluorogenic DNA-PAINT for faster, low-background super-resolution imaging. <i>Nature Methods</i> , 2022, 19, 554-559.	19.0	44

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19	The Val/Met functional polymorphism in COMT confers susceptibility to bipolar disorder: evidence from an association study and a meta-analysis. <i>Journal of Neural Transmission</i> , 2009, 116, 1193-1200.	2.8	43
20	DNA Origami Rotaxanes: Tailored Synthesis and Controlled Structure Switching. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11412-11416.	13.8	40
21	Sorting sub-150-nm liposomes of distinct sizes by DNA-brick-assisted centrifugation. <i>Nature Chemistry</i> , 2021, 13, 335-342.	13.6	34
22	A DNA Tile Actuator with Eleven Discrete States. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3983-3987.	13.8	32
23	Isothermal Hybridization Kinetics of DNA Assembly of Two-Dimensional DNA Origami. <i>Small</i> , 2013, 9, 2954-2959.	10.0	32
24	The PstI/RsaI and DraI polymorphisms of CYP2E1 and head and neck cancer risk: a meta-analysis based on 21 case-control studies. <i>BMC Cancer</i> , 2010, 10, 575.	2.6	31
25	A study of rare structural variants in schizophrenia patients and normal controls from Chinese Han population. <i>Molecular Psychiatry</i> , 2008, 13, 911-913.	7.9	29
26	A meta-analysis of three polymorphisms in the endothelial nitric oxide synthase gene (NOS3) and their effect on the risk of diabetic nephropathy. <i>Human Genetics</i> , 2010, 127, 373-381.	3.8	28
27	NMDA Receptor Hypofunction Induces Dysfunctions of Energy Metabolism And Semaphorin Signaling in Rats: A Synaptic Proteome Study. <i>Schizophrenia Bulletin</i> , 2012, 38, 579-591.	4.3	26
28	Positive association between GRIN2B gene and bipolar disorder in the Chinese Han Population. <i>Psychiatry Research</i> , 2011, 185, 290-292.	3.3	24
29	Genetic diversity of the apolipoprotein E gene and diabetic nephropathy: a meta-analysis. <i>Molecular Biology Reports</i> , 2011, 38, 3243-3252.	2.3	24
30	Metabolomic Analysis Reveals Metabolic Disturbance in the Cortex and Hippocampus of Subchronic MK-801 Treated Rats. <i>PLoS ONE</i> , 2013, 8, e60598.	2.5	24
31	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
32	DNA Origami Post-Processing by CRISPR-Cas12a. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3956-3960.	13.8	22
33	Antisense piRNA amplification, but not piRNA production or nuage assembly, requires the Tudor-domain protein Qin. <i>EMBO Journal</i> , 2014, 33, 536-539.	7.8	21
34	Programmable Nanodisc Patterning by DNA Origami. <i>Nano Letters</i> , 2020, 20, 6032-6037.	9.1	21
35	DNA Origami Rotaxanes: Tailored Synthesis and Controlled Structure Switching. <i>Angewandte Chemie</i> , 2016, 128, 11584-11588.	2.0	19
36	Synaptotagmin 1 oligomerization via the juxtamembrane linker regulates spontaneous and evoked neurotransmitter release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19

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37	First evidence of association between G72 and bipolar disorder in the Chinese Han population. <i>Psychiatric Genetics</i> , 2009, 19, 151-153.	1.1	17
38	Single Molecule FRET Analysis of the 11 Discrete Steps of a DNA Actuator. <i>Journal of the American Chemical Society</i> , 2014, 136, 8957-8962.	13.7	16
39	The complexin C-terminal amphipathic helix stabilizes the fusion pore open state by sculpting membranes. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 97-107.	8.2	15
40	Differential expression profiling of the synaptosome proteome in a rat model of antipsychotic resistance. <i>Brain Research</i> , 2009, 1295, 170-178.	2.2	14
41	Proteome alterations of cortex and hippocampus tissues in mice subjected to vitamin A depletion. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 1003-1008.	4.2	12
42	No relationship between 2',3'-cyclic nucleotide 3'-phosphodiesterase and schizophrenia in the Chinese Han population: an expression study and meta-analysis. <i>BMC Medical Genetics</i> , 2009, 10, 31.	2.1	10
43	Vesicle Tubulation with Self-Assembling DNA Nanosprings. <i>Angewandte Chemie</i> , 2018, 130, 5428-5432.	2.0	10
44	Association study between RGS4 and bipolar disorder in the Chinese Han population. <i>Psychiatric Genetics</i> , 2010, 20, 130-132.	1.1	7
45	Proteome alteration of U251 human astrocytoma cell after inhibiting retinoic acid synthesis. <i>Molecular and Cellular Biochemistry</i> , 2009, 323, 185-193.	3.1	5
46	Vitamin A depletion alters sensitivity of motor behavior to MK-801 in C57BL/6J mice. <i>Behavioral and Brain Functions</i> , 2010, 6, 7.	3.3	5
47	No association between the FXD6 gene and schizophrenia in the Chinese Han population. <i>Journal of Psychiatric Research</i> , 2010, 44, 409-412.	3.1	4
48	Self-Assembly-Based Structural DNA Nanotechnology. <i>Current Organic Chemistry</i> , 2011, 15, 534-547.	1.6	3
49	Enzyme-free colorimetric detection systems based on the DNA strand displacement competition reaction. <i>New Journal of Physics</i> , 2016, 18, 055002.	2.9	3
50	DNA Origami Post-Processing by CRISPR-Cas12a. <i>Angewandte Chemie</i> , 2020, 132, 3984-3988.	2.0	3
51	Extended DNA Tile Actuators. <i>ChemPlusChem</i> , 2012, 77, 636-642.	2.8	1