

Fei Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3917261/publications.pdf>

Version: 2024-02-01

26
papers

2,887
citations

361413

20
h-index

501196

28
g-index

29
all docs

29
docs citations

29
times ranked

2915
citing authors

#	ARTICLE	IF	CITATIONS
1	Designer nanoscale DNA assemblies programmed from the top down. <i>Science</i> , 2016, 352, 1534-1534.	12.6	500
2	Structural DNA Nanotechnology: State of the Art and Future Perspective. <i>Journal of the American Chemical Society</i> , 2014, 136, 11198-11211.	13.7	492
3	Complex wireframe DNA origami nanostructures with multi-arm junction vertices. <i>Nature Nanotechnology</i> , 2015, 10, 779-784.	31.5	349
4	Complex silica composite nanomaterials templated with DNA origami. <i>Nature</i> , 2018, 559, 593-598.	27.8	346
5	Single-stranded DNA and RNA origami. <i>Science</i> , 2017, 358, .	12.6	202
6	Autonomously designed free-form 2D DNA origami. <i>Science Advances</i> , 2019, 5, eaav0655.	10.3	115
7	Lattice-free prediction of three-dimensional structure of programmed DNA assemblies. <i>Nature Communications</i> , 2014, 5, 5578.	12.8	101
8	Meta-DNA structures. <i>Nature Chemistry</i> , 2020, 12, 1067-1075.	13.6	98
9	Design, optimization and analysis of large DNA and RNA nanostructures through interactive visualization, editing and molecular simulation. <i>Nucleic Acids Research</i> , 2020, 48, e72-e72.	14.5	82
10	DNA based arithmetic function: a half adder based on DNA strand displacement. <i>Nanoscale</i> , 2016, 8, 3775-3784.	5.6	71
11	Complex Archimedean Tiling Self-Assembled from DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2013, 135, 7458-7461.	13.7	63
12	Construction and Structure Determination of a Three-Dimensional DNA Crystal. <i>Journal of the American Chemical Society</i> , 2016, 138, 10047-10054.	13.7	63
13	Layered-Crossover Tiles with Precisely Tunable Angles for 2D and 3D DNA Crystal Engineering. <i>Journal of the American Chemical Society</i> , 2018, 140, 14670-14676.	13.7	62
14	Tuning the Cavity Size and Chirality of Self-Assembling 3D DNA Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 11254-11260.	13.7	47
15	RNA Origami Nanostructures for Potent and Safe Anticancer Immunotherapy. <i>ACS Nano</i> , 2020, 14, 4727-4740.	14.6	47
16	Self-Assembly of a 3D DNA Crystal Structure with Rationally Designed Six-Fold Symmetry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12504-12507.	13.8	43
17	Programming molecular topologies from single-stranded nucleic acids. <i>Nature Communications</i> , 2018, 9, 4579.	12.8	39
18	A reversibly gated protein-transporting membrane channel made of DNA. <i>Nature Communications</i> , 2022, 13, 2271.	12.8	30

#	ARTICLE	IF	CITATIONS
19	DNAâ€Nanoscaffoldâ€Assisted Selection of Femtomolar Bivalent Human Î±â€Thrombin Aptamers with Potent Anticoagulant Activity. ChemBioChem, 2019, 20, 2494-2503.	2.6	29
20	Aptamer-Functionalized DNA Nanostructures for Biological Applications. Topics in Current Chemistry, 2020, 378, 21.	5.8	27
21	A Selfâ€Assembled Rhombohedral DNA Crystal Scaffold with Tunable Cavity Sizes and Highâ€Resolution Structural Detail. Angewandte Chemie - International Edition, 2020, 59, 18619-18626.	13.8	22
22	Complex assemblies and crystals guided by DNA. Nature Materials, 2020, 19, 694-700.	27.5	18
23	Recent Advances in Self-Assembled DNA Nanostructures for Bioimaging. ACS Applied Bio Materials, 2022, 5, 4652-4667.	4.6	12
24	Selfâ€Assembly of a 3D DNA Crystal Structure with Rationally Designed Sixâ€Fold Symmetry. Angewandte Chemie, 2018, 130, 12684-12687.	2.0	11
25	A Selfâ€Assembled Rhombohedral DNA Crystal Scaffold with Tunable Cavity Sizes and Highâ€Resolution Structural Detail. Angewandte Chemie, 2020, 132, 18778-18785.	2.0	6
26	Self-Assembled Nucleic Acid Nanostructures for Biomedical Applications.. Current Topics in Medicinal Chemistry, 2022, 22, .	2.1	2