

Fan Hong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4009673/publications.pdf>

Version: 2024-02-01

16
papers

1,320
citations

687363

13
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

1937
citing authors

#	ARTICLE	IF	CITATIONS
1	A localized DNA finite-state machine with temporal resolution. <i>Science Advances</i> , 2022, 8, eabm9530.	10.3	18
2	Regulating DNA Self-Assembly Dynamics with Controlled Nucleation. <i>ACS Nano</i> , 2021, 15, 5384-5396.	14.6	8
3	Kinetics of RNA and RNA:DNA Hybrid Strand Displacement. <i>ACS Synthetic Biology</i> , 2021, 10, 3066-3073.	3.8	34
4	Understanding DNA interactions in crowded environments with a coarse-grained model. <i>Nucleic Acids Research</i> , 2020, 48, 10726-10738.	14.5	24
5	Precise and Programmable Detection of Mutations Using Ultraspecific Riboregulators. <i>Cell</i> , 2020, 180, 1018-1032.e16.	28.9	57
6	An emergent understanding of strand displacement in RNA biology. <i>Journal of Structural Biology</i> , 2019, 207, 241-249.	2.8	29
7	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
8	A highly sensitive and facile graphene oxide-based nucleic acid probe: Label-free detection of telomerase activity in cancer patient's urine using AI-Egens. <i>Biosensors and Bioelectronics</i> , 2017, 89, 417-421.	10.1	53
9	DNA Origami: Scaffolds for Creating Higher Order Structures. <i>Chemical Reviews</i> , 2017, 117, 12584-12640.	47.7	834
10	Understanding the Elementary Steps in DNA Tile-Based Self-Assembly. <i>ACS Nano</i> , 2017, 11, 9370-9381.	14.6	18
11	Nanoscale mazes. <i>Nature Nanotechnology</i> , 2017, 12, 189-190.	31.5	9
12	3D Framework DNA Origami with Layered Crossovers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12832-12835.	13.8	31
13	3D Framework DNA Origami with Layered Crossovers. <i>Angewandte Chemie</i> , 2016, 128, 13024-13027.	2.0	12
14	Target-Specific 3D DNA Gatekeepers for Biomimetic Nanopores. <i>Advanced Materials</i> , 2015, 27, 2090-2095.	21.0	76
15	Speeding up the self-assembly of a DNA nanodevice using a variety of polar solvents. <i>Nanoscale</i> , 2014, 6, 14153-14157.	5.6	13
16	Electrochemical biocomputing: a new class of molecular-electronic logic devices. <i>Soft Matter</i> , 2013, 9, 6571.	2.7	22