

Jae Young Lee

List of Publications by Year in descending order

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14
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242
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting the Free-Form Shape of Structured DNA Assemblies from Their Lattice-Based Design Blueprint. ACS Nano, 2022, 16, 4289-4297.	14.6	7
2	Formation of non-base-pairing DNA microgels using directed phase transition of amphiphilic monomers. Nucleic Acids Research, 2022, , .	14.5	2
3	Direct visualization of floppy two-dimensional DNA origami using cryogenic electron microscopy. IScience, 2022, 25, 104373.	4.1	5
4	Rapid Computational Analysis of DNA Origami Assemblies at Near-Atomic Resolution. ACS Nano, 2021, 15, 1002-1015.	14.6	39
5	Programming ultrasensitive threshold response through chemomechanical instability. Nature Communications, 2021, 12, 5177.	12.8	7
6	Design Approaches and Computational Tools for DNA Nanostructures. IEEE Open Journal of Nanotechnology, 2021, 2, 86-100.	2.0	6
7	Modulating the chemo-mechanical response of structured DNA assemblies through binding molecules. Nucleic Acids Research, 2021, 49, 12591-12599.	14.5	9
8	Characterizing and Harnessing the Mechanical Properties of Short Single-Stranded DNA in Structured Assemblies. ACS Nano, 2021, 15, 20430-20441.	14.6	10
9	Tailoring the Mechanical Stiffness of DNA Nanostructures Using Engineered Defects. ACS Nano, 2019, 13, 8329-8336.	14.6	25
10	Investigating the sequence-dependent mechanical properties of DNA nicks for applications in twisted DNA nanostructure design. Nucleic Acids Research, 2019, 47, 93-102.	14.5	31
11	A framework of finite element procedures for the analysis of proteins. Computers and Structures, 2018, 196, 24-35.	4.4	5
12	Polymorphic design of DNA origami structures through mechanical control of modular components. Nature Communications, 2017, 8, 2067.	12.8	33
13	Ignition characteristics of laser-ablated aluminum at shock pressures up to 2â€‰GPa. Journal of Applied Physics, 2014, 115, 013503.	2.5	1