Jae Young Lee

List of Publications by Year
in descending order

13	183	1478505 6	1125743 13
papers	citations	h-index	g-index

14	14	14	242
all docs	docs citations	times ranked	citing authors

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