

# Yusuke Sakai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8753230/publications.pdf>

Version: 2024-02-01

11  
papers

449  
citations

1478505

6  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomechanical DNA origami 'single-molecule beacons' directly imaged by atomic force microscopy. <i>Nature Communications</i> , 2011, 2, 449.	12.8	247
2	Biogenesis and growth phase-dependent alteration of 5-methoxycarbonylmethoxyuridine in tRNA anticodons. <i>Nucleic Acids Research</i> , 2016, 44, 509-523.	14.5	49
3	Dual pathways of tRNA hydroxylation ensure efficient translation by expanding decoding capability. <i>Nature Communications</i> , 2019, 10, 2858.	12.8	38
4	Clear-cut observation of PNA invasion using nanomechanical DNA origami devices. <i>Chemical Communications</i> , 2012, 48, 11361.	4.1	35
5	Biogenesis and iron-dependency of ribosomal RNA hydroxylation. <i>Nucleic Acids Research</i> , 2017, 45, 12974-12986.	14.5	34
6	DNA Aptamers for the Functionalisation of DNA Origami Nanostructures. <i>Genes</i> , 2018, 9, 571.	2.4	32
7	Allosteric control of nanomechanical DNA origami pinching devices for enhanced target binding. <i>Chemical Communications</i> , 2017, 53, 8276-8279.	4.1	5
8	The Three S's for Aptamer-Mediated Control of DNA Nanostructure Dynamics: Shape, Self-Complementarity, and Spatial Flexibility. <i>ChemBioChem</i> , 2018, 19, 1900-1906.	2.6	4
9	Topogami: Topologically Linked DNA Origami. <i>ACS Nanoscience Au</i> , 2022, 2, 57-63.	4.8	3
10	Nanomechanical DNA origami devices as versatile molecular sensors. , 2012, , .		1
11	FRET-Mediated Observation of Protein-Triggered Conformational Changes in DNA Nanostructures. <i>Methods in Molecular Biology</i> , 2021, 2208, 69-80.	0.9	1