

Paul W K Rothemund

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3186779/publications.pdf>

Version: 2024-02-01

14
papers

8,896
citations

623574

14
h-index

1058333

14
g-index

16
all docs

16
docs citations

16
times ranked

7524
citing authors

#	ARTICLE	IF	CITATIONS
1	Folding DNA to create nanoscale shapes and patterns. <i>Nature</i> , 2006, 440, 297-302.	13.7	6,218
2	Self-assembly of carbon nanotubes into two-dimensional geometries using DNA origami templates. <i>Nature Nanotechnology</i> , 2010, 5, 61-66.	15.6	567
3	Design and Characterization of Programmable DNA Nanotubes. <i>Journal of the American Chemical Society</i> , 2004, 126, 16344-16352.	6.6	454
4	Placement and orientation of individual DNA shapes on lithographically patterned surfaces. <i>Nature Nanotechnology</i> , 2009, 4, 557-561.	15.6	346
5	Programmable molecular recognition based on the geometry of DNA nanostructures. <i>Nature Chemistry</i> , 2011, 3, 620-627.	6.6	341
6	A single-stranded architecture for cotranscriptional folding of RNA nanostructures. <i>Science</i> , 2014, 345, 799-804.	6.0	292
7	Engineering and mapping nanocavity emission via precision placement of DNA origami. <i>Nature</i> , 2016, 535, 401-405.	13.7	213
8	Self-assembly of two-dimensional DNA origami lattices using cation-controlled surface diffusion. <i>Nature Communications</i> , 2014, 5, 4889.	5.8	147
9	Optimized Assembly and Covalent Coupling of Single-Molecule DNA Origami Nanoarrays. <i>ACS Nano</i> , 2014, 8, 12030-12040.	7.3	105
10	RNA origami design tools enable cotranscriptional folding of kilobase-sized nanoscaffolds. <i>Nature Chemistry</i> , 2021, 13, 549-558.	6.6	61
11	Absolute and arbitrary orientation of single-molecule shapes. <i>Science</i> , 2021, 371, .	6.0	54
12	Branched kissing loops for the construction of diverse RNA homooligomeric nanostructures. <i>Nature Chemistry</i> , 2020, 12, 249-259.	6.6	49
13	Bench-Top Fabrication of Single-Molecule Nanoarrays by DNA Origami Placement. <i>ACS Nano</i> , 2021, 15, 11441-11450.	7.3	27
14	Properties of DNA- and Protein-Scaffolded Lipid Nanodiscs. <i>ACS Nano</i> , 2021, 15, 751-764.	7.3	17