

Björn Häggberg

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,717
citations

535685

17
h-index

591227

27
g-index

29
all docs

29
docs citations

29
times ranked

3803
citing authors

#	ARTICLE	IF	CITATIONS
1	Myeloid cell-specific topoisomerase 1 inhibition using DNA origami mitigates neuroinflammation. <i>EMBO Reports</i> , 2022, 23, e54499.	2.0	14
2	A DNA-nanoassembly-based approach to map membrane protein nanoenvironments. <i>Nature Nanotechnology</i> , 2021, 16, 85-95.	15.6	24
3	DNA Origami Penetration in Cell Spheroid Tissue Models is Enhanced by Wireframe Design. <i>Advanced Materials</i> , 2021, 33, e2008457.	11.1	39
4	Massive and rapid COVID-19 testing is feasible by extraction-free SARS-CoV-2 RT-PCR. <i>Nature Communications</i> , 2020, 11, 4812.	5.8	357
5	Evolutionary Refinement of DNA Nanostructures Using Coarse-Grained Molecular Dynamics Simulations. <i>ACS Nano</i> , 2019, 13, 12591-12598.	7.3	20
6	A computational framework for DNA sequencing microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19282-19287.	3.3	17
7	Interplay of Three G-Quadruplex Units in the <i>KIT</i> Promoter. <i>Journal of the American Chemical Society</i> , 2019, 141, 10205-10213.	6.6	38
8	Binding to nanopatterned antigens is dominated by the spatial tolerance of antibodies. <i>Nature Nanotechnology</i> , 2019, 14, 184-190.	15.6	134
9	Solution-controlled Conformational Switching of an Anchored Wireframe DNA Nanostructure. <i>Small</i> , 2019, 15, e1803628.	5.2	9
10	Remote control of nanoscale devices. <i>Science</i> , 2018, 359, 279-279.	6.0	3
11	BtsCI and BseGI display sequence preference in the nucleotides flanking the recognition sequence. <i>PLoS ONE</i> , 2018, 13, e0202057.	1.1	1
12	Effects of Design Choices on the Stiffness of Wireframe DNA Origami Structures. <i>ACS Nano</i> , 2018, 12, 9291-9299.	7.3	36
13	Measuring true localization accuracy in super resolution microscopy with DNA-origami nanostructures. <i>New Journal of Physics</i> , 2017, 19, 025013.	1.2	12
14	DNA origami devices for molecular-scale precision measurements. <i>MRS Bulletin</i> , 2017, 42, 925-929.	1.7	27
15	Entirely enzymatic nanofabrication of DNA-protein conjugates. <i>Nucleic Acids Research</i> , 2017, 45, e160-e160.	6.5	16
16	Computer-aided Production of Scaffolded DNA Nanostructures from Flat Sheet Meshes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8869-8872.	7.2	53
17	Computer-aided Production of Scaffolded DNA Nanostructures from Flat Sheet Meshes. <i>Angewandte Chemie</i> , 2016, 128, 9015-9018.	1.6	5
18	DNA rendering of polyhedral meshes at the nanoscale. <i>Nature</i> , 2015, 523, 441-444.	13.7	576

#	ARTICLE	IF	CITATIONS
19	Purification of Functionalized DNA Origami Nanostructures. ACS Nano, 2015, 9, 4968-4975.	7.3	102
20	Rolling circle replication requires single-stranded DNA binding protein to avoid termination and production of double-stranded DNA. Nucleic Acids Research, 2014, 42, 10596-10604.	6.5	34
21	DNA Origami Structures Directly Assembled from Intact Bacteriophages. Small, 2014, 10, 1765-1769.	5.2	39
22	Spatial control of membrane receptor function using ligand nanocalipers. Nature Methods, 2014, 11, 841-846.	9.0	223
23	Enzymatic production of 'monoclonal stoichiometric' single-stranded DNA oligonucleotides. Nature Methods, 2013, 10, 647-652.	9.0	111
24	DNA Origami Delivery System for Cancer Therapy with Tunable Release Properties. ACS Nano, 2012, 6, 8684-8691.	7.3	470
25	Self-assembly of three-dimensional prestressed tensegrity structures from DNA. Nature Nanotechnology, 2010, 5, 520-524.	15.6	354
26	Small scale integrated technology for HTS RSFQ circuits. IEEE Transactions on Applied Superconductivity, 2001, 11, 558-561.	1.1	1