

Principles and Applications of Nucleic Acid Strand Disp

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Toehold-Mediated Strand Displacement in a Triplex Forming Nucleic Acid Clamp for Reversible Regulation of Polymerase Activity and Protein Expression. <i>Chemistry - A European Journal</i> , 2019, 25, 12303-12307.	1.7	9
2	Programmable interactions with biomimetic DNA linkers at fluid membranes and interfaces. <i>Reports on Progress in Physics</i> , 2019, 82, 116601.	8.1	39
3	Hybrid Soft Nanomaterials Composed of DNA Microspheres and Supramolecular Nanostructures of Semi-artificial Glycopeptides. <i>Chemistry - A European Journal</i> , 2019, 25, 11955-11962.	1.7	20
4	Bottom-Up Assembly of DNA-Silica Nanocomposites into Micrometer-Sized Hollow Spheres. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17269-17272.	7.2	20
5	Advancing Wireframe DNA Nanostructures Using Single-Molecule Fluorescence Microscopy Techniques. <i>Accounts of Chemical Research</i> , 2019, 52, 3199-3210.	7.6	12
6	Strand Displacement Strategies for Biosensor Applications. <i>Trends in Biotechnology</i> , 2019, 37, 1367-1382.	4.9	52
7	Heterochiral DNA Strand-Displacement Based on Chimeric d/l -Oligonucleotides. <i>ACS Synthetic Biology</i> , 2019, 8, 2756-2759.	1.9	8
8	Bottom-Up Assembly of DNA-Silica Nanocomposites into Micrometer-Sized Hollow Spheres. <i>Angewandte Chemie</i> , 2019, 131, 17429-17432.	1.6	1
9	Periodic Operation of a Dynamic DNA Origami Structure Utilizing the Hydrophilic-Hydrophobic Phase-Transition of Stimulus-Sensitive Polypeptides. <i>Small</i> , 2019, 15, 1903541.	5.2	16
10	Coupling of DNA Circuit and Templated Reactions for Quadratic Amplification and Release of Functional Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 16288-16295.	6.6	43
11	A catalytic DNA circuit-programmed and enzyme-powered autonomous DNA machine for nucleic acid detection. <i>Analyst</i> , 2019, 144, 5923-5927.	1.7	8
12	Reconfigurable Plasmonic Diastereomers Assembled by DNA Origami. <i>ACS Nano</i> , 2019, 13, 13702-13708.	7.3	66
13	Establishing Communication Between Artificial Cells. <i>Chemistry - A European Journal</i> , 2019, 25, 12659-12670.	1.7	42
14	Base-Sequence-Independent Efficient Redox Switching of Self-Assembled DNA Nanocages. <i>ChemBioChem</i> , 2019, 20, 2743-2746.	1.3	4
15	Cancer-Specific MicroRNA Analysis with a Nonenzymatic Nucleic Acid Circuit. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11220-11226.	4.0	27
16	PID Control of Biochemical Reaction Networks. , 2019, , .		4
17	DNAr-logic. , 2019, , .		4
18	Reconfigurable Chiral Plasmonics beyond Single Chiral Centers. <i>ACS Nano</i> , 2019, 13, 13615-13619.	7.3	40

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19	Dual-mode amplified detection of rabies virus oligonucleotide via Y-shaped DNA assembly. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127267.	4.0	18
20	Engineering Cellâ€™s Surface Receptors with DNA Nanotechnology for Cell Manipulation. <i>ChemBioChem</i> , 2020, 21, 282-293.	1.3	33
21	Programmable mismatch-fueled high-efficiency DNA signal converter. <i>Chemical Science</i> , 2020, 11, 148-153.	3.7	27
22	Dynamic DNA nanotechnology: toward functional nanoscale devices. <i>Nanoscale Horizons</i> , 2020, 5, 182-201.	4.1	158
23	ATP-Triggered, Allosteric Self-Assembly of DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 665-668.	6.6	32
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27	Ultrasensitive biosensing pathogenic bacteria by combining aptamer-induced catalysed hairpin assembly circle amplification with microchip electrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2020, 306, 127577.	4.0	31
28	Peptide nucleic acid-based electrochemical biosensor for simultaneous detection of multiple microRNAs from cancer cells with catalytic hairpin assembly amplification. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127545.	4.0	64
29	Conditional guide RNA through two intermediate hairpins for programmable CRISPR/Cas9 function: building regulatory connections between endogenous RNA expressions. <i>Nucleic Acids Research</i> , 2020, 48, 11773-11784.	6.5	25
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36	Toehold-Mediated Selective Assembly of Compact Discrete DNA Nanostructures. <i>Langmuir</i> , 2020, 36, 15119-15127.	1.6	5

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38	Superparamagnetic Nanostructures Coupled with an Entropy-Driven DNA Circuit for Elegant and Robust Photoelectrochemical Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 15145-15151.	3.2	39
39	Understanding DNA interactions in crowded environments with a coarse-grained model. <i>Nucleic Acids Research</i> , 2020, 48, 10726-10738.	6.5	24
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50	DNA Microsystems for Biodiagnosis. <i>Micromachines</i> , 2020, 11, 445.	1.4	3
51	DNA-Based Adaptive Plasmonic Logic Gates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15038-15042.	7.2	47
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