

# DNA multi-bit non-volatile memory and bit-shifting on arrays and electric field-induced hybridization

Nature Communications

9, 281

DOI: [10.1038/s41467-017-02705-8](https://doi.org/10.1038/s41467-017-02705-8)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Encoding Carbon Nanotubes with Tubular Nucleic Acids for Information Storage. <i>Journal of the American Chemical Society</i> , 2019, 141, 17861-17866.	13.7	36
2	Nucleic Acid Databases and Molecular-Scale Computing. <i>ACS Nano</i> , 2019, 13, 6256-6268.	14.6	56
3	Quantum Interface between a Superconducting Qubit and Spin Ensembles. <i>Annalen Der Physik</i> , 2019, 531, 1900036.	2.4	4
4	Pattern Generation with Nucleic Acid Chemical Reaction Networks. <i>Chemical Reviews</i> , 2019, 119, 6370-6383.	47.7	40
5	Recent Advances in Amphiphilic Polymerâ€“Oligonucleotide Nanomaterials via Living/Controlled Polymerization Technologies. <i>Bioconjugate Chemistry</i> , 2019, 30, 1889-1904.	3.6	47
6	Enhancement mechanisms of ethanol-sensing properties based on Cr2O3 nanoparticle-anchored SnO2 nanowires. <i>Journal of Materials Research and Technology</i> , 2020, 9, 271-281.	5.8	45
7	A programmable macroscale electrical field self-assembly array device for diverse thin film applications. <i>Journal of Materials Research and Technology</i> , 2020, 9, 8808-8819.	5.8	5
8	Low cost DNA data storage using photolithographic synthesis and advanced information reconstruction and error correction. <i>Nature Communications</i> , 2020, 11, 5345.	12.8	66
9	Macro-aligned carbon Nanotubeâ€“Polymer matrix by dielectrophoresis and transferring process. <i>Journal of Materials Research and Technology</i> , 2020, 9, 4550-4557.	5.8	8
10	The poly-thymine based DNA photolithography onto electrostatic coupling substrates. <i>Materials Science and Engineering C</i> , 2020, 111, 110795.	7.3	5
11	Uncertainties in synthetic DNA-based data storage. <i>Nucleic Acids Research</i> , 2021, 49, 5451-5469.	14.5	26
12	Programmable DNA-Based Boolean Logic Microfluidic Processing Unit. <i>ACS Nano</i> , 2021, 15, 11644-11654.	14.6	22
13	A last-in first-out stack data structure implemented in DNA. <i>Nature Communications</i> , 2021, 12, 4861.	12.8	11
14	Dielectrophoretic Trapping for Nanoparticles, High-Molecule-Weight DNA, and SYBR Gold Using Polyimide-Based Printed Circuit Board. <i>IEEE Sensors Journal</i> , 2021, 21, 18451-18458.	4.7	3
15	Novel Modalities in DNA Data Storage. <i>Trends in Biotechnology</i> , 2021, 39, 990-1003.	9.3	23
16	Data Storage Based on DNA. <i>Small Structures</i> , 2021, 2, 2000046.	12.0	36
17	Current and emerging opportunities in biological mediumâ€“based computing and digital data storage. <i>Nano Select</i> , 2022, 3, 883-902.	3.7	2
18	Electrochemical DNA synthesis and sequencing on a single electrode with scalability for integrated data storage. <i>Science Advances</i> , 2021, 7, eabk0100.	10.3	27

#	ARTICLE	IF	CITATIONS
19	Double Layer Methylcellulose Substrate-Based Wearable Touch Sensor and Display for Communication. ACS Applied Electronic Materials, 2022, 4, 2227-2237.	4.3	5
20	Liquid Metal Electrodynamic Accumulation Microfluidics System for DNA Memory and Liquid Biopsy. Advanced Functional Materials, 2023, 33, .	14.9	1
21	Processing DNA Storage through Programmable Assembly in a Droplet-Based Fluidics System. Advanced Science, 2023, 10, .	11.2	2
22	Data Storage Using DNA. Advanced Materials, 2024, 36, .	21.0	0
23	Ultrafast Electrochemical Sensor Based on Electrical Potential-Assisted Hybridization for Non-Amplification Determination of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) by Differential Pulse Voltammetry (DPV). Analytical Letters, 0, , 1-16.	1.8	0
24	A floating-gate field-effect transistor memory device based on organic crystals with a built-in tunneling dielectric by a one-step growth strategy. Nanoscale, 2024, 16, 3721-3728.	5.6	0
25	The multiple fluorescent multi-bit DNA memory encoding system. Nano Communication Networks, 2024, 39, 100497.	2.9	0