Chengde Mao

List of Publications by Year in Descending Order

165 papers	11,556 citations	50 h-index	105 g-index
236 ext. papers	12,762 ext. citations	12.4 avg, IF	6.23 L-index

#	Paper	IF	Citations
165	Powering a ~ 50-fold Motion by a Molecular Event in DNA Crystals.. *Advanced Materials*, **2022**, e2200441	24	6
164	Programming DNA Self-Assembly by Geometry. *Journal of the American Chemical Society*, **2022**,	16.4	2
163	3D Hexagonal Arrangement of DNA Tensegrity Triangles. *ACS Nano*, **2021**, 15, 16788-16793	16.7	5
162	Kissing loop-mediated fabrication of RNA nanoparticles and their potential as cellular and siRNA delivery platforms. *Biomaterials Science*, **2021**, 9, 8148-8152	7.4	
161	Regulating the Kinetics of DNA Attachment: Construction of Defined Clusters with High DNA Density and Strong Plasmonic Coupling. *ChemNanoMat*, **2021**, 7, 811-814	3.5	
160	Kinetically Interlocking Multiple-Units Polymerization of DNA Double Crossover and Its Application in Hydrogel Formation. *Macromolecular Rapid Communications*, **2021**, 42, e2100182	4.8	3
159	Engineering the Nanoscaled Morphologies of Linear DNA Homopolymers. *Macromolecular Rapid Communications*, **2021**, 42, e2100217	4.8	1
158	Mechanistic Understanding of Surface Migration Dynamics with DNA Walkers. *Journal of Physical Chemistry B*, **2021**, 125, 507-517	3.4	3
157	5'-Phosphorylation Strengthens Sticky-End Cohesions. *Journal of the American Chemical Society*, **2021**, 143, 14987-14991	16.4	1
156	Transformable Helical Self-Assembly for Cancerous Golgi Apparatus Disruption. *Nano Letters*, **2021**, 21, 8455-8465	11.5	3
155	Kinetic DNA Self-Assembly: Simultaneously Co-folding Complementary DNA Strands into Identical Nanostructures. *Journal of the American Chemical Society*, **2021**, 143, 20363-20367	16.4	1
154	A DNA Nanodevice for Cancer Vaccination. *Chemical Research in Chinese Universities*, **2020**, 36, 1147-1148	2.2	
153	Assembly of a DNA Origami Chinese Knot by Only 15% of the Staple Strands. *ChemBioChem*, **2020**, 21, 2132-2136	3.8	3
152	Increasing the Solubility of a Hydrophobic Molecule with Thymine-like Face by DNA via Supramolecular Interaction. *Chemical Research in Chinese Universities*, **2020**, 36, 281-284	2.2	0
151	Branched kissing loops for the construction of diverse RNA homooligomeric nanostructures. *Nature Chemistry*, **2020**, 12, 249-259	17.6	20
150	ATP-Triggered, Allosteric Self-Assembly of DNA Nanostructures. *Journal of the American Chemical Society*, **2020**, 142, 665-668	16.4	16
149	A poly(thymine)-melamine duplex for the assembly of DNA nanomaterials. *Nature Materials*, **2020**, 19, 1012-1018	27	38

148	Kidney-Targeted Cytosolic Delivery of siRNA Using a Small-Sized Mirror DNA Tetrahedron for Enhanced Potency. *ACS Central Science*, **2020**, 6, 2250-2258	16.8	20
147	Making Engineered 3D DNA Crystals Robust. *Journal of the American Chemical Society*, **2019**, 141, 15850-15855	14.4	29
146	Designing Higher Resolution Self-Assembled 3D DNA Crystals via Strand Terminus Modifications. *ACS Nano*, **2019**, 13, 7957-7965	16.7	27
145	Self-Assembly of Wireframe DNA Nanostructures from Junction Motifs. *Angewandte Chemie*, **2019**, 131, 12251-12255	3.6	7
144	Self-Assembly of Wireframe DNA Nanostructures from Junction Motifs. *Angewandte Chemie - International Edition*, **2019**, 58, 12123-12127	16.4	17
143	Patterning Nanoparticles with DNA Molds. *ACS Applied Materials & Interfaces*, **2019**, 11, 13853-13858	9.5	20
142	Self-Assembly of Microparticles by Supramolecular Homopolymerization of One Component DNA Molecule. *Small*, **2019**, 15, e1805552	11	9
141	Paranemic Crossover DNA: There and Back Again. *Chemical Reviews*, **2019**, 119, 6273-6289	68.1	41
140	Rational Design of pH-Responsive DNA Motifs with General Sequence Compatibility. *Angewandte Chemie*, **2019**, 131, 16557-16562	3.6	4
139	Rational Design of pH-Responsive DNA Motifs with General Sequence Compatibility. *Angewandte Chemie - International Edition*, **2019**, 58, 16405-16410	16.4	19
138	Rational Design and Self-Assembly of Two-Dimensional, Dodecagonal DNA Quasicrystals. *Journal of the American Chemical Society*, **2019**, 141, 4248-4251	16.4	33
137	A minimalist's approach for DNA nanoconstructions. *Advanced Drug Delivery Reviews*, **2019**, 147, 22-28	18.5	7
136	Highly tumor-specific DNA nanostructures discovered by in vivo screening of a nucleic acid cage library and their applications in tumor-targeted drug delivery. *Biomaterials*, **2019**, 195, 1-12	15.6	32
135	Targeted Delivery of Rab26 siRNA with Precisely Tailored DNA Prism for Lung Cancer Therapy. *ChemBioChem*, **2019**, 20, 1139-1144	3.8	15
134	Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. *Angewandte Chemie - International Edition*, **2018**, 57, 6892-6895	16.4	26
133	Isothermal Self-Assembly of Spermidine-DNA Nanostructure Complex as a Functional Platform for Cancer Therapy. *ACS Applied Materials & Interfaces*, **2018**, 10, 15504-15516	9.5	30
132	Can strand displacement take place in DNA triplexes?. *Organic and Biomolecular Chemistry*, **2018**, 16, 372-375	3.9	4
131	Drugging the undruggable molecules by a DNA nanorobot. *Science China Chemistry*, **2018**, 61, 763-764	7.9	

130	Capturing intracellular oncogenic microRNAs with self-assembled DNA nanostructures for microRNA-based cancer therapy. *Chemical Science*, **2018**, 9, 7562-7568	9.4	30
129	In vivo production of RNA nanostructures via programmed folding of single-stranded RNAs. *Nature Communications*, **2018**, 9, 2196	17.4	54
128	Modulating Self-Assembly of DNA Crystals with Rationally Designed Agents. *Angewandte Chemie - International Edition*, **2018**, 57, 16529-16532	16.4	15
127	Modulating Self-Assembly of DNA Crystals with Rationally Designed Agents. *Angewandte Chemie*, **2018**, 130, 16767-16770	3.6	2
126	Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. *Angewandte Chemie*, **2018**, 130, 7008-7011	3.6	8
125	An Organic Semiconductor Organized into 3D DNA Arrays by Bottom-up Rational Design. *Angewandte Chemie*, **2017**, 129, 6545-6548	3.6	4
124	Supramolecular Wireframe DNA Polyhedra: Assembly and Applications. *Chinese Journal of Chemistry*, **2017**, 35, 801-810	4.9	6
123	An Organic Semiconductor Organized into 3D DNA Arrays by "Bottom-up" Rational Design. *Angewandte Chemie - International Edition*, **2017**, 56, 6445-6448	16.4	26
122	Reconfiguration of DNA molecular arrays driven by information relay. *Science*, **2017**, 357,	33.3	112
121	A device that operates within a self-assembled 3D DNA crystal. *Nature Chemistry*, **2017**, 9, 824-827	17.6	47
120	Self-Assembly of 3D DNA Crystals Containing a Torsionally Stressed Component. *Cell Chemical Biology*, **2017**, 24, 1401-1406.e2	8.2	15
119	Regulating DNA Self-assembly by DNA-Surface Interactions. *ChemBioChem*, **2017**, 18, 2404-2407	3.8	20
118	Regulation on Toll-like Receptor 4 and Cell Barrier Function by Rab26 siRNA-loaded DNA Nanovector in Pulmonary Microvascular Endothelial Cells. *Theranostics*, **2017**, 7, 2537-2554	12.1	19
117	One DNA strand homo-polymerizes into defined nanostructures. *Nanoscale*, **2017**, 9, 10601-10605	7.7	14
116	Time lapse microscopy of temperature control during self-assembly of 3D DNA crystals. *Journal of Crystal Growth*, **2017**, 476, 1-5	1.6	2
115	ATG101 Single-Stranded Antisense RNA-Loaded Triangular DNA Nanoparticles Control Human Pulmonary Endothelial Growth via Regulation of Cell Macroautophagy. *ACS Applied Materials & Interfaces*, **2017**, 9, 42544-42555	9.5	11
114	Designed 3D DNA Crystals. *Methods in Molecular Biology*, **2017**, 1500, 3-10	1.4	1
113	The study of the paranemic crossover (PX) motif in the context of self-assembly of DNA 2D crystals. *Organic and Biomolecular Chemistry*, **2016**, 14, 7187-90	3.9	11

112	Fluorescence and Energy Transfer in Dye-Labeled DNA Crystals. *Journal of Physical Chemistry B*, **2016**, 120, 12287-12292	3.4	7
111	Effects of Structural Flexibility on the Kinetics of DNA Y-Junction Assembly and Gelation. *Langmuir*, **2016**, 32, 12862-12868	4	6
110	Stabilisation of self-assembled DNA crystals by triplex-directed photo-cross-linking. *Chemical Communications*, **2016**, 52, 8014-7	5.8	30
109	Self-assembled triangular DNA nanoparticles are an efficient system for gene delivery. *Journal of Controlled Release*, **2016**, 233, 126-35	11.7	16
108	Effects of chain flexibility on the properties of DNA hydrogels. *Soft Matter*, **2016**, 12, 5537-41	3.6	15
107	Long conducting polymer nanonecklaces with a 'beads-on-a-string' morphology: DNA nanotube-template synthesis and electrical properties. *Nanoscale*, **2016**, 8, 10026-9	7.7	5
106	Retrosynthetic Analysis-Guided Breaking Tile Symmetry for the Assembly of Complex DNA Nanostructures. *Journal of the American Chemical Society*, **2016**, 138, 13579-13585	16.4	35
105	Self-assembly of DNA double multi-arm junctions (DMaJs). *RSC Advances*, **2016**, 6, 76355-76359	3.7	3
104	Design Principles of DNA Enzyme-Based Walkers: Translocation Kinetics and Photoregulation. *Journal of the American Chemical Society*, **2015**, 137, 9429-37	16.4	77
103	Complex wireframe DNA origami nanostructures with multi-arm junction vertices. *Nature Nanotechnology*, **2015**, 10, 779-84	28.7	267
102	Regulation of vascular smooth muscle cell autophagy by DNA nanotube-conjugated mTOR siRNA. *Biomaterials*, **2015**, 67, 137-50	15.6	25
101	Structural transformation: assembly of an otherwise inaccessible DNA nanocage. *Angewandte Chemie - International Edition*, **2015**, 54, 5990-3	16.4	23
100	Self-assembly of molecule-like nanoparticle clusters directed by DNA nanocages. *Journal of the American Chemical Society*, **2015**, 137, 4320-3	16.4	115
99	Inhibition of DNA nanotube-conjugated mTOR siRNA on the growth of pulmonary arterial smooth muscle cells. *Data in Brief*, **2015**, 5, 28-34	1.2	2
98	Innentitelbild: A Case Study of the Likes and Dislikes of DNA and RNA in Self-Assembly (Angew. Chem. 50/2015). *Angewandte Chemie*, **2015**, 127, 15194-15194	3.6	
97	A Case Study of the Likes and Dislikes of DNA and RNA in Self-Assembly. *Angewandte Chemie*, **2015**, 127, 15333-15336	3.6	5
96	Post-Assembly Stabilization of Rationally Designed DNA Crystals. *Angewandte Chemie*, **2015**, 127, 10074-10077	3.6	7
95	A Case Study of the Likes and Dislikes of DNA and RNA in Self-Assembly. *Angewandte Chemie - International Edition*, **2015**, 54, 15118-21	16.4	7

94	Post-Assembly Stabilization of Rationally Designed DNA Crystals. *Angewandte Chemie - International Edition*, **2015**, 54, 9936-9	16.4	42
93	Single-Particle Cryo-EM and 3D Reconstruction of Hybrid Nanoparticles with Electron-Dense Components. *Small*, **2015**, 11, 5157-63	11	4
92	Structural Transformation: Assembly of an Otherwise Inaccessible DNA Nanocage. *Angewandte Chemie*, **2015**, 127, 6088-6091	3.6	3
91	De novo design of an RNA tile that self-assembles into a homo-octameric nanoprism. *Nature Communications*, **2015**, 6, 5724	17.4	53
90	Self-assembly of responsive multilayered DNA nanocages. *Journal of the American Chemical Society*, **2015**, 137, 1730-3	16.4	74
89	Self-assembly of DNA nanotubes with defined diameters and lengths. *Small*, **2014**, 10, 855-8	11	18
88	A synthetic DNA motor that transports nanoparticles along carbon nanotubes. *Nature Nanotechnology*, **2014**, 9, 39-43	28.7	192
87	DNA nanocages swallow gold nanoparticles (AuNPs) to form AuNP@DNA cage core-shell structures. *ACS Nano*, **2014**, 8, 1130-5	16.7	73
86	Synchronization of two assembly processes to build responsive DNA nanostructures. *Angewandte Chemie - International Edition*, **2014**, 53, 8402-5	16.4	30
85	Approaching the limit: can one DNA strand assemble into defined nanostructures?. *Langmuir*, **2014**, 30, 5859-62	4	20
84	A nanomotor involves a metastable, left-handed DNA duplex. *Organic and Biomolecular Chemistry*, **2014**, 12, 2543-6	3.9	9
83	Directed Self-Assembly of DNA Tiles into Complex Nanocages. *Angewandte Chemie*, **2014**, 126, 8179-8182	3.6	26
82	Inhibition of hypoxia-induced proliferation of pulmonary arterial smooth muscle cells by a mTOR siRNA-loaded cyclodextrin nanovector. *Biomaterials*, **2014**, 35, 4401-16	15.6	19
81	Construction of RNA nanocages by re-engineering the packaging RNA of Phi29 bacteriophage. *Nature Communications*, **2014**, 5, 3890	17.4	57
80	DNA Nanotubes: Self-Assembly of DNA Nanotubes with Defined Diameters and Lengths (Small 5/2014). *Small*, **2014**, 10, 854-854	11	1
79	Assembly of barcode-like nucleic acid nanostructures. *Small*, **2014**, 10, 3923-6	11	4
78	Synchronization of Two Assembly Processes To Build Responsive DNA Nanostructures. *Angewandte Chemie*, **2014**, 126, 8542-8545	3.6	13
77	Self-assembly of DNA nanoprisms with only two component strands. *Chemical Communications*, **2013**, 49, 2807-9	5.8	16

76	Self-assembled DNA crystals: the impact on resolution of 5'-phosphates and the DNA source. *Nano Letters*, **2013**, 13, 793-7	11.5	37
75	A pH-responsive cyclodextrin-based hybrid nanosystem as a nonviral vector for gene delivery. *Biomaterials*, **2013**, 34, 4159-4172	15.6	52
74	A smart DNA tetrahedron that isothermally assembles or dissociates in response to the solution pH value changes. *Biomacromolecules*, **2013**, 14, 1711-4	6.9	64
73	DNA polyhedra with T-linkage. *ACS Nano*, **2012**, 6, 5138-42	16.7	34
72	DNA cohesion through bubble-bubble recognition. *Chemical Communications*, **2012**, 48, 12216-8	5.8	4
71	Reversibly switching the surface porosity of a DNA tetrahedron. *Journal of the American Chemical Society*, **2012**, 134, 11998-2001	16.4	30
70	Artificial, parallel, left-handed DNA helices. *Journal of the American Chemical Society*, **2012**, 134, 20273-5	16.4	6
69	The absence of tertiary interactions in a self-assembled DNA crystal structure. *Journal of Molecular Recognition*, **2012**, 25, 234-7	2.6	25
68	DNA-Directed Three-Dimensional Protein Organization. *Angewandte Chemie*, **2012**, 124, 3438-3441	3.6	8
67	Controlling the Chirality of DNA Nanocages. *Angewandte Chemie*, **2012**, 124, 8123-8126	3.6	6
66	DNA-directed three-dimensional protein organization. *Angewandte Chemie - International Edition*, **2012**, 51, 3382-5	16.4	74
65	DNA-templated fabrication of two-dimensional metallic nanostructures by thermal evaporation coating. *Journal of the American Chemical Society*, **2011**, 133, 1742-4	16.4	36
64	Synergistic self-assembly of RNA and DNA molecules. *Nature Chemistry*, **2010**, 2, 1050-5	17.6	96
63	Double-stranded DNA homology produces a physical signature. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 12547-52	11.5	30
62	A DNA crystal designed to contain two molecules per asymmetric unit. *Journal of the American Chemical Society*, **2010**, 132, 15471-3	16.4	55
61	On the chirality of self-assembled DNA octahedra. *Angewandte Chemie - International Edition*, **2010**, 49, 748-51	16.4	77
60	From molecular to macroscopic via the rational design of a self-assembled 3D DNA crystal. *Nature*, **2009**, 461, 74-7	50.4	726
59	Symmetry controls the face geometry of DNA polyhedra. *Journal of the American Chemical Society*, **2009**, 131, 1413-5	16.4	95

58	Surface-mediated DNA self-assembly. *Journal of the American Chemical Society*, **2009**, 131, 13248-9	16.4	103
57	Human telomeric DNA sequences have a peroxidase apoenzyme activity. *Molecular BioSystems*, **2009**, 5, 238-40		18
56	DNA self-assembly: from 2D to 3D. *Faraday Discussions*, **2009**, 143, 221-33; discussion 265-75	3.6	54
55	Hierarchical self-assembly of DNA into symmetric supramolecular polyhedra. *Nature*, **2008**, 452, 198-201	50.4	964
54	Reversible switching of pRNA activity on the DNA packaging motor of bacteriophage phi29. *Journal of the American Chemical Society*, **2008**, 130, 17684-7	16.4	8
53	DNA nanotubes as combinatorial vehicles for cellular delivery. *Biomacromolecules*, **2008**, 9, 3039-43	6.9	152
52	Conformational flexibility facilitates self-assembly of complex DNA nanostructures. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 10665-9	11.5	221
51	Complexity emerges from lattice overlapping: implications for nanopatterning. *Small*, **2008**, 4, 1329-31	11	10
50	pH-induced reversible expansion/contraction of gold nanoparticle aggregates. *Small*, **2008**, 4, 2191-4	11	54
49	Aligning one-dimensional DNA duplexes into two-dimensional crystals. *Journal of the American Chemical Society*, **2007**, 129, 14134-5	16.4	24
48	DNA-based nanofabrications. *Microscopy Research and Technique*, **2007**, 70, 522-9	2.8	12
47	Cation-dependent switching of DNA nanostructures. *Macromolecular Bioscience*, **2007**, 7, 1060-4	5.5	12
46	DNA-directed assembly of single-wall carbon nanotubes. *Journal of the American Chemical Society*, **2007**, 129, 8696-7	16.4	120
45	Cascade signal amplification for DNA detection. *ChemBioChem*, **2006**, 7, 1862-4	3.8	107
44	Approaching the limit: can one DNA oligonucleotide assemble into large nanostructures?. *Angewandte Chemie - International Edition*, **2006**, 45, 1942-5	16.4	132
43	Electrical conduction in 7 nm wires constructed on EDNA. *Nanotechnology*, **2006**, 17, 2752-2757	3.4	40
42	Highly connected two-dimensional crystals of DNA six-point-stars. *Journal of the American Chemical Society*, **2006**, 128, 15978-9	16.4	168
41	Antibody nanoarrays with a pitch of approximately 20 nanometers. *Journal of the American Chemical Society*, **2006**, 128, 12664-5	16.4	95

40	Preparation of branched structures with long DNA duplex arms. *Organic and Biomolecular Chemistry*, **2006**, 4, 3404-5	3.9	18
39	Experiments in Structural DNA Nanotechnology: Arrays and Devices. *Proceedings of SPIE*, **2005**, 5592, 71	1.7	1
38	Self-assembly of hexagonal DNA two-dimensional (2D) arrays. *Journal of the American Chemical Society*, **2005**, 127, 12202-3	16.4	379
37	Two-dimensional (2D) DNA crystals assembled from two DNA strands. *Biomacromolecules*, **2005**, 6, 2943-5	5.9	33
36	DNAzyme amplification of molecular beacon signal. *Talanta*, **2005**, 67, 532-7	6.2	36
35	Six-helix bundles designed from DNA. *Nano Letters*, **2005**, 5, 661-5	11.5	252
34	DNA as nanoscale building blocks. *Journal of Nanoscience and Nanotechnology*, **2005**, 5, 1954-63	1.3	28
33	DNA-encoded self-assembly of gold nanoparticles into one-dimensional arrays. *Angewandte Chemie - International Edition*, **2005**, 44, 3582-5	16.4	257
32	A DNAzyme that walks processively and autonomously along a one-dimensional track. *Angewandte Chemie - International Edition*, **2005**, 44, 4355-8	16.4	339
31	Sequence symmetry as a tool for designing DNA nanostructures. *Angewandte Chemie - International Edition*, **2005**, 44, 6694-6	16.4	142
30	Sequence Symmetry as a Tool for Designing DNA Nanostructures. *Angewandte Chemie*, **2005**, 117, 6852-6854	3.6	39
29	Regulating enzyme activities in a multiple-enzyme complex. *ChemBioChem*, **2005**, 6, 999-1002	3.8	1
28	DNA nanotechnology. *BioTechniques*, **2004**, 37, 517-9	2.5	5
27	The emergence of complexity: lessons from DNA. *PLoS Biology*, **2004**, 2, e431	9.7	12
26	Tensegrity: construction of rigid DNA triangles with flexible four-arm DNA junctions. *Journal of the American Chemical Society*, **2004**, 126, 2324-5	16.4	310
25	An autonomous DNA nanomotor powered by a DNA enzyme. *Angewandte Chemie - International Edition*, **2004**, 43, 3554-7	16.4	225
24	Molecular lithography with DNA nanostructures. *Angewandte Chemie - International Edition*, **2004**, 43, 4068-70	16.4	85
23	A DNA nanomachine based on a duplex-triplex transition. *Angewandte Chemie - International Edition*, **2004**, 43, 5335-8	16.4	163

22	Molecular Lithography with DNA Nanostructures. *Angewandte Chemie*, **2004**, 116, 4160-4162	3.6	18
21	A DNA Nanomachine Based on a Duplex Triplex Transition. *Angewandte Chemie*, **2004**, 116, 5449-5452	3.6	43
20	Putting a brake on an autonomous DNA nanomotor. *Journal of the American Chemical Society*, **2004**, 126, 8626-7	16.4	92
19	Reprogramming DNA-directed reactions on the basis of a DNA conformational change. *Journal of the American Chemical Society*, **2004**, 126, 13240-1	16.4	52
18	Two-dimensional hexagonally oriented CdCl2.H2O nanorod assembly: formation and replication. *Langmuir*, **2004**, 20, 8078-82	4	11
17	Molecular gears: a pair of DNA circles continuously rolls against each other. *Journal of the American Chemical Society*, **2004**, 126, 11410-1	16.4	234
16	3D Fractal DNA Assembly from Coding, Geometry and Protection. *Natural Computing*, **2004**, 3, 235-252	1.3	14
15	Bottom-up Assembly of RNA Arrays and Superstructures as Potential Parts in Nanotechnology. *Nano Letters*, **2004**, 4, 1717-23	11.5	155
14	DNA-Templated Fabrication of 1D Parallel and 2D Crossed Metallic Nanowire Arrays. *Nano Letters*, **2003**, 3, 1545-1548	11.5	228
13	Mesoscale Self-Assembly: Capillary Interactions When Positive and Negative Menisci Have Similar Amplitudes. *Langmuir*, **2003**, 19, 2206-2214	4	50
12	A prototype two-dimensional capillary electrophoresis system fabricated in poly(dimethylsiloxane). *Analytical Chemistry*, **2002**, 74, 1772-8	7.8	139
11	Dissections: self-assembled aggregates that spontaneously reconfigure their structures when their environment changes. *Journal of the American Chemical Society*, **2002**, 124, 14508-9	16.4	48
10	Logical computation using algorithmic self-assembly of DNA triple-crossover molecules. *Nature*, **2000**, 407, 493-6	50.4	580
9	Two dimensions and two States in DNA nanotechnology. *Journal of Biomolecular Structure and Dynamics*, **2000**, 17 Suppl 1, 253-62	3.6	10
8	Multimerization-cyclization of DNA fragments as a method of conformational analysis. *Biophysical Journal*, **2000**, 79, 2692-704	2.9	47
7	A nanomechanical device based on the B-Z transition of DNA. *Nature*, **1999**, 397, 144-6	50.4	726
6	Designed Two-Dimensional DNA Holliday Junction Arrays Visualized by Atomic Force Microscopy. *Journal of the American Chemical Society*, **1999**, 121, 5437-5443	16.4	431
5	No braiding of Holliday junctions in positively supercoiled DNA molecules. *Journal of Molecular Biology*, **1999**, 294, 683-99	6.5	9

4	Sequence dependence of branch migratory minima. *Journal of Molecular Biology*, **1998**, 282, 59-70	6.5	29
3	New motifs in DNA nanotechnology. *Nanotechnology*, **1998**, 9, 257-273	3.4	64
2	Assembly of Borromean rings from DNA. *Nature*, **1997**, 386, 137-8	50.4	266
1	DNA networks as templates for bottom-up assembly of metal nanowires		2