

Chengde Mao

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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	Hierarchical self-assembly of DNA into symmetric supramolecular polyhedra. <i>Nature</i> , 2008 , 452, 198-201	50.4	964
164	From molecular to macroscopic via the rational design of a self-assembled 3D DNA crystal. <i>Nature</i> , 2009 , 461, 74-7	50.4	726
163	A nanomechanical device based on the B-Z transition of DNA. <i>Nature</i> , 1999 , 397, 144-6	50.4	726
162	Logical computation using algorithmic self-assembly of DNA triple-crossover molecules. <i>Nature</i> , 2000 , 407, 493-6	50.4	580
161	Designed Two-Dimensional DNA Holliday Junction Arrays Visualized by Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 1999 , 121, 5437-5443	16.4	431
160	Self-assembly of hexagonal DNA two-dimensional (2D) arrays. <i>Journal of the American Chemical Society</i> , 2005 , 127, 12202-3	16.4	379
159	A DNAzyme that walks processively and autonomously along a one-dimensional track. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4355-8	16.4	339
158	Tensegrity: construction of rigid DNA triangles with flexible four-arm DNA junctions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 2324-5	16.4	310
157	Complex wireframe DNA origami nanostructures with multi-arm junction vertices. <i>Nature Nanotechnology</i> , 2015 , 10, 779-84	28.7	267
156	Assembly of Borromean rings from DNA. <i>Nature</i> , 1997 , 386, 137-8	50.4	266
155	DNA-encoded self-assembly of gold nanoparticles into one-dimensional arrays. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 3582-5	16.4	257
154	Six-helix bundles designed from DNA. <i>Nano Letters</i> , 2005 , 5, 661-5	11.5	252
153	Molecular gears: a pair of DNA circles continuously rolls against each other. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11410-1	16.4	234
152	DNA-Templated Fabrication of 1D Parallel and 2D Crossed Metallic Nanowire Arrays. <i>Nano Letters</i> , 2003 , 3, 1545-1548	11.5	228
151	An autonomous DNA nanomotor powered by a DNA enzyme. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3554-7	16.4	225
150	Conformational flexibility facilitates self-assembly of complex DNA nanostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10665-9	11.5	221
149	A synthetic DNA motor that transports nanoparticles along carbon nanotubes. <i>Nature Nanotechnology</i> , 2014 , 9, 39-43	28.7	192

148	Highly connected two-dimensional crystals of DNA six-point-stars. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15978-9	16.4	168
147	A DNA nanomachine based on a duplex-triplex transition. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5335-8	16.4	163
146	Bottom-up Assembly of RNA Arrays and Superstructures as Potential Parts in Nanotechnology. <i>Nano Letters</i> , 2004 , 4, 1717-23	11.5	155
145	DNA nanotubes as combinatorial vehicles for cellular delivery. <i>Biomacromolecules</i> , 2008 , 9, 3039-43	6.9	152
144	Sequence symmetry as a tool for designing DNA nanostructures. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6694-6	16.4	142
143	A prototype two-dimensional capillary electrophoresis system fabricated in poly(dimethylsiloxane). <i>Analytical Chemistry</i> , 2002 , 74, 1772-8	7.8	139
142	Approaching the limit: can one DNA oligonucleotide assemble into large nanostructures?. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1942-5	16.4	132
141	DNA-directed assembly of single-wall carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8696-7	16.4	120
140	Self-assembly of molecule-like nanoparticle clusters directed by DNA nanocages. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4320-3	16.4	115
139	Reconfiguration of DNA molecular arrays driven by information relay. <i>Science</i> , 2017 , 357,	33.3	112
138	Cascade signal amplification for DNA detection. <i>ChemBioChem</i> , 2006 , 7, 1862-4	3.8	107
137	Surface-mediated DNA self-assembly. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13248-9	16.4	103
136	Synergistic self-assembly of RNA and DNA molecules. <i>Nature Chemistry</i> , 2010 , 2, 1050-5	17.6	96
135	Symmetry controls the face geometry of DNA polyhedra. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1413-5	16.4	95
134	Antibody nanoarrays with a pitch of approximately 20 nanometers. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12664-5	16.4	95
133	Putting a brake on an autonomous DNA nanomotor. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8626-7	16.4	92
132	Molecular lithography with DNA nanostructures. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4068-70	16.4	85
131	Design Principles of DNA Enzyme-Based Walkers: Translocation Kinetics and Photoregulation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9429-37	16.4	77

130	On the chirality of self-assembled DNA octahedra. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 748-51	16.4	77
129	Self-assembly of responsive multilayered DNA nanocages. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1730-3	16.4	74
128	DNA-directed three-dimensional protein organization. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3382-5	16.4	74
127	DNA nanocages swallow gold nanoparticles (AuNPs) to form AuNP@DNA cage core-shell structures. <i>ACS Nano</i> , 2014 , 8, 1130-5	16.7	73
126	A smart DNA tetrahedron that isothermally assembles or dissociates in response to the solution pH value changes. <i>Biomacromolecules</i> , 2013 , 14, 1711-4	6.9	64
125	New motifs in DNA nanotechnology. <i>Nanotechnology</i> , 1998 , 9, 257-273	3.4	64
124	Construction of RNA nanocages by re-engineering the packaging RNA of Phi29 bacteriophage. <i>Nature Communications</i> , 2014 , 5, 3890	17.4	57
123	A DNA crystal designed to contain two molecules per asymmetric unit. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15471-3	16.4	55
122	In vivo production of RNA nanostructures via programmed folding of single-stranded RNAs. <i>Nature Communications</i> , 2018 , 9, 2196	17.4	54
121	DNA self-assembly: from 2D to 3D. <i>Faraday Discussions</i> , 2009 , 143, 221-33; discussion 265-75	3.6	54
120	pH-induced reversible expansion/contraction of gold nanoparticle aggregates. <i>Small</i> , 2008 , 4, 2191-4	11	54
119	De novo design of an RNA tile that self-assembles into a homo-octameric nanoprism. <i>Nature Communications</i> , 2015 , 6, 5724	17.4	53
118	A pH-responsive cyclodextrin-based hybrid nanosystem as a nonviral vector for gene delivery. <i>Biomaterials</i> , 2013 , 34, 4159-4172	15.6	52
117	Reprogramming DNA-directed reactions on the basis of a DNA conformational change. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13240-1	16.4	52
116	Mesoscale Self-Assembly: Capillary Interactions When Positive and Negative Menisci Have Similar Amplitudes. <i>Langmuir</i> , 2003 , 19, 2206-2214	4	50
115	Dissections: self-assembled aggregates that spontaneously reconfigure their structures when their environment changes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14508-9	16.4	48
114	A device that operates within a self-assembled 3D DNA crystal. <i>Nature Chemistry</i> , 2017 , 9, 824-827	17.6	47
113	Multimerization-cyclization of DNA fragments as a method of conformational analysis. <i>Biophysical Journal</i> , 2000 , 79, 2692-704	2.9	47

112	A DNA Nanomachine Based on a Duplex-Triplex Transition. <i>Angewandte Chemie</i> , 2004 , 116, 5449-5452	3.6	43
111	Post-Assembly Stabilization of Rationally Designed DNA Crystals. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9936-9	16.4	42
110	Paranemic Crossover DNA: There and Back Again. <i>Chemical Reviews</i> , 2019 , 119, 6273-6289	68.1	41
109	Electrical conduction in 7 nm wires constructed on EDNA. <i>Nanotechnology</i> , 2006 , 17, 2752-2757	3.4	40
108	Sequence Symmetry as a Tool for Designing DNA Nanostructures. <i>Angewandte Chemie</i> , 2005 , 117, 6852-6854	9.85	39
107	A poly(thymine)-melamine duplex for the assembly of DNA nanomaterials. <i>Nature Materials</i> , 2020 , 19, 1012-1018	27	38
106	Self-assembled DNA crystals: the impact on resolution of 5'-phosphates and the DNA source. <i>Nano Letters</i> , 2013 , 13, 793-7	11.5	37
105	DNA-templated fabrication of two-dimensional metallic nanostructures by thermal evaporation coating. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1742-4	16.4	36
104	DNAzyme amplification of molecular beacon signal. <i>Talanta</i> , 2005 , 67, 532-7	6.2	36
103	Retrosynthetic Analysis-Guided Breaking Tile Symmetry for the Assembly of Complex DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13579-13585	16.4	35
102	DNA polyhedra with T-linkage. <i>ACS Nano</i> , 2012 , 6, 5138-42	16.7	34
101	Two-dimensional (2D) DNA crystals assembled from two DNA strands. <i>Biomacromolecules</i> , 2005 , 6, 2943-9	35	33
100	Rational Design and Self-Assembly of Two-Dimensional, Dodecagonal DNA Quasicrystals. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4248-4251	16.4	33
99	Highly tumor-specific DNA nanostructures discovered by in vivo screening of a nucleic acid cage library and their applications in tumor-targeted drug delivery. <i>Biomaterials</i> , 2019 , 195, 1-12	15.6	32
98	Isothermal Self-Assembly of Spermidine-DNA Nanostructure Complex as a Functional Platform for Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15504-15516	9.5	30
97	Stabilisation of self-assembled DNA crystals by triplex-directed photo-cross-linking. <i>Chemical Communications</i> , 2016 , 52, 8014-7	5.8	30
96	Capturing intracellular oncogenic microRNAs with self-assembled DNA nanostructures for microRNA-based cancer therapy. <i>Chemical Science</i> , 2018 , 9, 7562-7568	9.4	30
95	Synchronization of two assembly processes to build responsive DNA nanostructures. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8402-5	16.4	30

94	Reversibly switching the surface porosity of a DNA tetrahedron. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11998-2001	16.4	30
93	Double-stranded DNA homology produces a physical signature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12547-52	11.5	30
92	Making Engineered 3D DNA Crystals Robust. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15850-15855	16.4	29
91	Sequence dependence of branch migratory minima. <i>Journal of Molecular Biology</i> , 1998 , 282, 59-70	6.5	29
90	DNA as nanoscale building blocks. <i>Journal of Nanoscience and Nanotechnology</i> , 2005 , 5, 1954-63	1.3	28
89	Designing Higher Resolution Self-Assembled 3D DNA Crystals via Strand Terminus Modifications. <i>ACS Nano</i> , 2019 , 13, 7957-7965	16.7	27
88	An Organic Semiconductor Organized into 3D DNA Arrays by "Bottom-up" Rational Design. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6445-6448	16.4	26
87	Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6892-6895	16.4	26
86	Directed Self-Assembly of DNA Tiles into Complex Nanocages. <i>Angewandte Chemie</i> , 2014 , 126, 8179-8183	16.4	26
85	Regulation of vascular smooth muscle cell autophagy by DNA nanotube-conjugated mTOR siRNA. <i>Biomaterials</i> , 2015 , 67, 137-50	15.6	25
84	The absence of tertiary interactions in a self-assembled DNA crystal structure. <i>Journal of Molecular Recognition</i> , 2012 , 25, 234-7	2.6	25
83	Aligning one-dimensional DNA duplexes into two-dimensional crystals. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14134-5	16.4	24
82	Structural transformation: assembly of an otherwise inaccessible DNA nanocage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5990-3	16.4	23
81	Regulating DNA Self-assembly by DNA-Surface Interactions. <i>ChemBioChem</i> , 2017 , 18, 2404-2407	3.8	20
80	Patterning Nanoparticles with DNA Molds. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13853-13858	16.5	20
79	Branched kissing loops for the construction of diverse RNA homooligomeric nanostructures. <i>Nature Chemistry</i> , 2020 , 12, 249-259	17.6	20
78	Approaching the limit: can one DNA strand assemble into defined nanostructures?. <i>Langmuir</i> , 2014 , 30, 5859-62	4	20
77	Kidney-Targeted Cytosolic Delivery of siRNA Using a Small-Sized Mirror DNA Tetrahedron for Enhanced Potency. <i>ACS Central Science</i> , 2020 , 6, 2250-2258	16.8	20

76	Regulation on Toll-like Receptor 4 and Cell Barrier Function by Rab26 siRNA-loaded DNA Nanovector in Pulmonary Microvascular Endothelial Cells. <i>Theranostics</i> , 2017 , 7, 2537-2554	12.1	19
75	Rational Design of pH-Responsive DNA Motifs with General Sequence Compatibility. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16405-16410	16.4	19
74	Inhibition of hypoxia-induced proliferation of pulmonary arterial smooth muscle cells by a mTOR siRNA-loaded cyclodextrin nanovector. <i>Biomaterials</i> , 2014 , 35, 4401-16	15.6	19
73	Self-assembly of DNA nanotubes with defined diameters and lengths. <i>Small</i> , 2014 , 10, 855-8	11	18
72	Human telomeric DNA sequences have a peroxidase apoenzyme activity. <i>Molecular BioSystems</i> , 2009 , 5, 238-40		18
71	Preparation of branched structures with long DNA duplex arms. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 3404-5	3.9	18
70	Molecular Lithography with DNA Nanostructures. <i>Angewandte Chemie</i> , 2004 , 116, 4160-4162	3.6	18
69	Self-Assembly of Wireframe DNA Nanostructures from Junction Motifs. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12123-12127	16.4	17
68	Self-assembled triangular DNA nanoparticles are an efficient system for gene delivery. <i>Journal of Controlled Release</i> , 2016 , 233, 126-35	11.7	16
67	Self-assembly of DNA nanoprisms with only two component strands. <i>Chemical Communications</i> , 2013 , 49, 2807-9	5.8	16
66	ATP-Triggered, Allosteric Self-Assembly of DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2020 , 142, 665-668	16.4	16
65	Self-Assembly of 3D DNA Crystals Containing a Torsionally Stressed Component. <i>Cell Chemical Biology</i> , 2017 , 24, 1401-1406.e2	8.2	15
64	Effects of chain flexibility on the properties of DNA hydrogels. <i>Soft Matter</i> , 2016 , 12, 5537-41	3.6	15
63	Targeted Delivery of Rab26 siRNA with Precisely Tailored DNA Prism for Lung Cancer Therapy. <i>ChemBioChem</i> , 2019 , 20, 1139-1144	3.8	15
62	Modulating Self-Assembly of DNA Crystals with Rationally Designed Agents. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16529-16532	16.4	15
61	One DNA strand homo-polymerizes into defined nanostructures. <i>Nanoscale</i> , 2017 , 9, 10601-10605	7.7	14
60	3D Fractal DNA Assembly from Coding, Geometry and Protection. <i>Natural Computing</i> , 2004 , 3, 235-252	1.3	14
59	Synchronization of Two Assembly Processes To Build Responsive DNA Nanostructures. <i>Angewandte Chemie</i> , 2014 , 126, 8542-8545	3.6	13

58	DNA-based nanofabrications. <i>Microscopy Research and Technique</i> , 2007 , 70, 522-9	2.8	12
57	Cation-dependent switching of DNA nanostructures. <i>Macromolecular Bioscience</i> , 2007 , 7, 1060-4	5.5	12
56	The emergence of complexity: lessons from DNA. <i>PLoS Biology</i> , 2004 , 2, e431	9.7	12
55	The study of the paranemic crossover (PX) motif in the context of self-assembly of DNA 2D crystals. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 7187-90	3.9	11
54	ATG101 Single-Stranded Antisense RNA-Loaded Triangular DNA Nanoparticles Control Human Pulmonary Endothelial Growth via Regulation of Cell Macroautophagy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42544-42555	9.5	11
53	Two-dimensional hexagonally oriented CdCl ₂ .H ₂ O nanorod assembly: formation and replication. <i>Langmuir</i> , 2004 , 20, 8078-82	4	11
52	Complexity emerges from lattice overlapping: implications for nanopatterning. <i>Small</i> , 2008 , 4, 1329-31	11	10
51	Two dimensions and two States in DNA nanotechnology. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000 , 17 Suppl 1, 253-62	3.6	10
50	Self-Assembly of Microparticles by Supramolecular Homopolymerization of One Component DNA Molecule. <i>Small</i> , 2019 , 15, e1805552	11	9
49	A nanomotor involves a metastable, left-handed DNA duplex. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2543-6	3.9	9
48	No braiding of Holliday junctions in positively supercoiled DNA molecules. <i>Journal of Molecular Biology</i> , 1999 , 294, 683-99	6.5	9
47	DNA-Directed Three-Dimensional Protein Organization. <i>Angewandte Chemie</i> , 2012 , 124, 3438-3441	3.6	8
46	Reversible switching of pRNA activity on the DNA packaging motor of bacteriophage phi29. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17684-7	16.4	8
45	Universal pH-Responsive and Metal-Ion-Free Self-Assembly of DNA Nanostructures. <i>Angewandte Chemie</i> , 2018 , 130, 7008-7011	3.6	8
44	Self-Assembly of Wireframe DNA Nanostructures from Junction Motifs. <i>Angewandte Chemie</i> , 2019 , 131, 12251-12255	3.6	7
43	Fluorescence and Energy Transfer in Dye-Labeled DNA Crystals. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 12287-12292	3.4	7
42	Post-Assembly Stabilization of Rationally Designed DNA Crystals. <i>Angewandte Chemie</i> , 2015 , 127, 10074-10077	3.10	7
41	A Case Study of the Likes and Dislikes of DNA and RNA in Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15118-21	16.4	7

40	A minimalist's approach for DNA nanoconstructions. <i>Advanced Drug Delivery Reviews</i> , 2019 , 147, 22-28	18.5	7
39	Supramolecular Wireframe DNA Polyhedra: Assembly and Applications. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 801-810	4.9	6
38	Effects of Structural Flexibility on the Kinetics of DNA Y-Junction Assembly and Gelation. <i>Langmuir</i> , 2016 , 32, 12862-12868	4	6
37	Artificial, parallel, left-handed DNA helices. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20273-516.4	5.4	6
36	Controlling the Chirality of DNA Nanocages. <i>Angewandte Chemie</i> , 2012 , 124, 8123-8126	3.6	6
35	Powering a ~ 50-fs Motion by a Molecular Event in DNA Crystals.. <i>Advanced Materials</i> , 2022 , e2200441	24	6
34	A Case Study of the Likes and Dislikes of DNA and RNA in Self-Assembly. <i>Angewandte Chemie</i> , 2015 , 127, 15333-15336	3.6	5
33	DNA nanotechnology. <i>BioTechniques</i> , 2004 , 37, 517-9	2.5	5
32	3D Hexagonal Arrangement of DNA Tensegrity Triangles. <i>ACS Nano</i> , 2021 , 15, 16788-16793	16.7	5
31	Long conducting polymer nanonecklaces with a 'beads-on-a-string' morphology: DNA nanotube-template synthesis and electrical properties. <i>Nanoscale</i> , 2016 , 8, 10026-9	7.7	5
30	An Organic Semiconductor Organized into 3D DNA Arrays by Bottom-up Rational Design. <i>Angewandte Chemie</i> , 2017 , 129, 6545-6548	3.6	4
29	Can strand displacement take place in DNA triplexes?. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 372-375	3.9	4
28	Rational Design of pH-Responsive DNA Motifs with General Sequence Compatibility. <i>Angewandte Chemie</i> , 2019 , 131, 16557-16562	3.6	4
27	Single-Particle Cryo-EM and 3D Reconstruction of Hybrid Nanoparticles with Electron-Dense Components. <i>Small</i> , 2015 , 11, 5157-63	11	4
26	Assembly of barcode-like nucleic acid nanostructures. <i>Small</i> , 2014 , 10, 3923-6	11	4
25	DNA cohesion through bubble-bubble recognition. <i>Chemical Communications</i> , 2012 , 48, 12216-8	5.8	4
24	Assembly of a DNA Origami Chinese Knot by Only 15% of the Staple Strands. <i>ChemBioChem</i> , 2020 , 21, 2132-2136	3.8	3
23	Structural Transformation: Assembly of an Otherwise Inaccessible DNA Nanocage. <i>Angewandte Chemie</i> , 2015 , 127, 6088-6091	3.6	3

22	Kinetically Interlocking Multiple-Units Polymerization of DNA Double Crossover and Its Application in Hydrogel Formation. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100182	4.8	3
21	Self-assembly of DNA double multi-arm junctions (DMAJs). <i>RSC Advances</i> , 2016 , 6, 76355-76359	3.7	3
20	Mechanistic Understanding of Surface Migration Dynamics with DNA Walkers. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 507-517	3.4	3
19	Transformable Helical Self-Assembly for Cancerous Golgi Apparatus Disruption. <i>Nano Letters</i> , 2021 , 21, 8455-8465	11.5	3
18	Inhibition of DNA nanotube-conjugated mTOR siRNA on the growth of pulmonary arterial smooth muscle cells. <i>Data in Brief</i> , 2015 , 5, 28-34	1.2	2
17	Time lapse microscopy of temperature control during self-assembly of 3D DNA crystals. <i>Journal of Crystal Growth</i> , 2017 , 476, 1-5	1.6	2
16	DNA networks as templates for bottom-up assembly of metal nanowires		2
15	Modulating Self-Assembly of DNA Crystals with Rationally Designed Agents. <i>Angewandte Chemie</i> , 2018 , 130, 16767-16770	3.6	2
14	Programming DNA Self-Assembly by Geometry \square <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	2
13	Designed 3D DNA Crystals. <i>Methods in Molecular Biology</i> , 2017 , 1500, 3-10	1.4	1
12	DNA Nanotubes: Self-Assembly of DNA Nanotubes with Defined Diameters and Lengths (Small 5/2014). <i>Small</i> , 2014 , 10, 854-854	11	1
11	Experiments in Structural DNA Nanotechnology: Arrays and Devices. <i>Proceedings of SPIE</i> , 2005 , 5592, 71	1.7	1
10	Regulating enzyme activities in a multiple-enzyme complex. <i>ChemBioChem</i> , 2005 , 6, 999-1002	3.8	1
9	Engineering the Nanoscaled Morphologies of Linear DNA Homopolymers. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100217	4.8	1
8	5'-Phosphorylation Strengthens Sticky-End Cohesions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14987-14991	16.4	1
7	Kinetic DNA Self-Assembly: Simultaneously Co-folding Complementary DNA Strands into Identical Nanostructures. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20363-20367	16.4	1
6	Increasing the Solubility of a Hydrophobic Molecule with Thymine-like Face by DNA via Supramolecular Interaction. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 281-284	2.2	0
5	A DNA Nanodevice for Cancer Vaccination. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 1147-1148.2		

- 4 Drugging the undruggable molecules by a DNA nanorobot. *Science China Chemistry*, **2018**, 61, 763-764 7.9
- 3 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
- 2 Kissing loop-mediated fabrication of RNA nanoparticles and their potential as cellular and siRNA delivery platforms. *Biomaterials Science*, **2021**, 9, 8148-8152 7.4
- 1 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