

Hao Yan

List of Publications by Year in descending order

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Version: 2024-02-01

180
papers

30,495
citations

5268

83
h-index

4645

170
g-index

204
all docs

204
docs citations

204
times ranked

14885
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable allosteric DNA regulations for molecular networks and nanomachines. <i>Science Advances</i> , 2022, 8, eabl4589.	10.3	27
2	Nadrian C. (Ned) Seeman (1945–2021). <i>Nature Nanotechnology</i> , 2022, 17, 108-108.	31.5	2
3	A localized DNA finite-state machine with temporal resolution. <i>Science Advances</i> , 2022, 8, eabm9530.	10.3	18
4	A reversibly gated protein-transporting membrane channel made of DNA. <i>Nature Communications</i> , 2022, 13, 2271.	12.8	30
5	DNA Kirigami Driven by Polymerase-Triggered Strand Displacement. <i>Small</i> , 2022, 18, e2201478.	10.0	8
6	DNA-Assembled Chiral Satellite-Core Nanoparticle Superstructures: Two-State Chiral Interactions from Dynamic and Static Conformations. <i>Nano Letters</i> , 2022, 22, 4784-4791.	9.1	10
7	Interfacing DNA nanotechnology and biomimetic photonic complexes: advances and prospects in energy and biomedicine. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	9.1	9
8	The influence of Holliday junction sequence and dynamics on DNA crystal self-assembly. <i>Nature Communications</i> , 2022, 13, .	12.8	24
9	Design and simulation of DNA, RNA and hybrid protein nucleic acid nanostructures with oxView. <i>Nature Protocols</i> , 2022, 17, 1762-1788.	12.0	33
10	DNA-templated programmable excitonic wires for micron-scale exciton transport. <i>Chem</i> , 2022, 8, 2442-2459.	11.7	12
11	Designer DNA nanostructures for therapeutics. <i>Chem</i> , 2021, 7, 1156-1179.	11.7	91
12	High energy storage density with high power density in $\text{Bi}_{0.2}\text{Sr}_{0.7}\text{TiO}_3/\text{BiFeO}_3$ multilayer thin films. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4652-4660.	5.5	20
13	DNA origami. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	382
14	Regulating DNA Self-Assembly Dynamics with Controlled Nucleation. <i>ACS Nano</i> , 2021, 15, 5384-5396.	14.6	8
15	Interfacing Photosystem I Reaction Centers with a Porous Antimony-Doped Tin Oxide Electrode to Perform Light-Driven Redox Chemistry. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2087-2096.	4.3	7
16	Achieved high energy density and excellent thermal stability in $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}\text{TiO}_3 \sim x\text{Bi}(\text{Mg}_{0.5}\text{Ti}_{0.5})\text{O}_3$ relaxor ferroelectric thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 16269-16278.	2.2	4
17	Prescribing Silver Chirality with DNA Origami. <i>Journal of the American Chemical Society</i> , 2021, 143, 8639-8646.	13.7	33
18	DNA Programmable Self-Assembly of Planar, Thin-Layered Chiral Nanoparticle Superstructures with Complex Two-Dimensional Patterns. <i>ACS Nano</i> , 2021, 15, 16664-16672.	14.6	20

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19	Kinetics of RNA and RNA:DNA Hybrid Strand Displacement. <i>ACS Synthetic Biology</i> , 2021, 10, 3066-3073.	3.8	34
20	Programming nanoparticle valence bonds with single-stranded DNA encoders. <i>Nature Materials</i> , 2020, 19, 781-788.	27.5	166
21	Multi-domain BNiT modification enhanced the piezoelectric properties of BNT-based lead-free thin films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17114-17121.	5.5	17
22	Meta-DNA structures. <i>Nature Chemistry</i> , 2020, 12, 1067-1075.	13.6	98
23	A Self-Assembled Rhombohedral DNA Crystal Scaffold with Tunable Cavity Sizes and High-Resolution Structural Detail. <i>Angewandte Chemie</i> , 2020, 132, 18778-18785.	2.0	6
24	Complex assemblies and crystals guided by DNA. <i>Nature Materials</i> , 2020, 19, 694-700.	27.5	18
25	A Self-Assembled Rhombohedral DNA Crystal Scaffold with Tunable Cavity Sizes and High-Resolution Structural Detail. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18619-18626.	13.8	22
26	Precise and Programmable Detection of Mutations Using Ultraspecific Riboregulators. <i>Cell</i> , 2020, 180, 1018-1032.e16.	28.9	57
27	RNA Origami Nanostructures for Potent and Safe Anticancer Immunotherapy. <i>ACS Nano</i> , 2020, 14, 4727-4740.	14.6	47
28	Paranemic Crossover DNA: There and Back Again. <i>Chemical Reviews</i> , 2019, 119, 6273-6289.	47.7	69
29	Redox Engineering of Cytochrome c using DNA Nanostructure-Based Charged Encapsulation and Spatial Control. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13874-13880.	8.0	27
30	Solidifying framework nucleic acids with silica. <i>Nature Protocols</i> , 2019, 14, 2416-2436.	12.0	34
31	Nicking-Assisted Reactant Recycle To Implement Entropy-Driven DNA Circuit. <i>Journal of the American Chemical Society</i> , 2019, 141, 17189-17197.	13.7	82
32	DNA-Nanoscaffold-Assisted Selection of Femtomolar Bivalent Human α -Thrombin Aptamers with Potent Anticoagulant Activity. <i>ChemBioChem</i> , 2019, 20, 2494-2503.	2.6	29
33	Directed Energy Transfer through DNA-Templated J-Aggregates. <i>Bioconjugate Chemistry</i> , 2019, 30, 1870-1879.	3.6	22
34	Efficient Long-Range, Directional Energy Transfer through DNA-Templated Dye Aggregates. <i>Journal of the American Chemical Society</i> , 2019, 141, 8473-8481.	13.7	63
35	Watching a Single Fluorophore Molecule Walk into a Plasmonic Hotspot. <i>ACS Photonics</i> , 2019, 6, 985-993.	6.6	34
36	Tunable Nanoscale Cages from Self-Assembling DNA and Protein Building Blocks. <i>ACS Nano</i> , 2019, 13, 3545-3554.	14.6	121

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37	Autonomously designed free-form 2D DNA origami. <i>Science Advances</i> , 2019, 5, eaav0655.	10.3	115
38	Constructing Submonolayer DNA Origami Scaffold on Gold Electrode for Wiring of Redox Enzymatic Cascade Pathways. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13881-13887.	8.0	25
39	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. <i>Nature Biotechnology</i> , 2018, 36, 258-264.	17.5	1,066
40	2D Enzyme Cascade Network with Efficient Substrate Channeling by Swinging Arms. <i>ChemBioChem</i> , 2018, 19, 212-216.	2.6	35
41	Programmed coherent coupling in a synthetic DNA-based excitonic circuit. <i>Nature Materials</i> , 2018, 17, 159-166.	27.5	106
42	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. <i>Nature Biomedical Engineering</i> , 2018, 2, 865-877.	22.5	297
43	Programming molecular topologies from single-stranded nucleic acids. <i>Nature Communications</i> , 2018, 9, 4579.	12.8	39
44	Layered-Crossover Tiles with Precisely Tunable Angles for 2D and 3D DNA Crystal Engineering. <i>Journal of the American Chemical Society</i> , 2018, 140, 14670-14676.	13.7	62
45	A Synthetic Light-Driven Substrate Channeling System for Precise Regulation of Enzyme Cascade Activity Based on DNA Origami. <i>Journal of the American Chemical Society</i> , 2018, 140, 8990-8996.	13.7	108
46	Self-Assembly of a 3D DNA Crystal Structure with Rationally Designed Six-Fold Symmetry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12504-12507.	13.8	43
47	Self-Assembly of a 3D DNA Crystal Structure with Rationally Designed Six-Fold Symmetry. <i>Angewandte Chemie</i> , 2018, 130, 12684-12687.	2.0	11
48	Complex silica composite nanomaterials templated with DNA origami. <i>Nature</i> , 2018, 559, 593-598.	27.8	346
49	Exploring the speed limit of toehold exchange with a cartwheeling DNA acrobat. <i>Nature Nanotechnology</i> , 2018, 13, 723-729.	31.5	109
50	DNA-Guided Plasmonic Helix with Switchable Chirality. <i>Journal of the American Chemical Society</i> , 2018, 140, 11763-11770.	13.7	138
51	Orange Carotenoid Protein as a Control Element in an Antenna System Based on a DNA Nanostructure. <i>Nano Letters</i> , 2017, 17, 1174-1180.	9.1	15
52	DNA Origami: Scaffolds for Creating Higher Order Structures. <i>Chemical Reviews</i> , 2017, 117, 12584-12640.	47.7	834
53	Tracking Single DNA Nanodevices in Hierarchically Meso-Macroporous Antimony-Doped Tin Oxide Demonstrates Finite Confinement. <i>Langmuir</i> , 2017, 33, 6410-6418.	3.5	3
54	Cuboid Vesicles Formed by Frame-Guided Assembly on DNA Origami Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1586-1589.	13.8	85

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55	Cuboid Vesicles Formed by Frame-Guided Assembly on DNA Origami Scaffolds. <i>Angewandte Chemie</i> , 2017, 129, 1608-1611.	2.0	14
56	Programmable Supra-Assembly of a DNA Surface Adapter for Tunable Chiral Directional Self-Assembly of Gold Nanorods. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14632-14636.	13.8	76
57	Programmable Supra-Assembly of a DNA Surface Adapter for Tunable Chiral Directional Self-Assembly of Gold Nanorods. <i>Angewandte Chemie</i> , 2017, 129, 14824-14828.	2.0	20
58	Engineering nucleic acid structures for programmable molecular circuitry and intracellular biocomputation. <i>Nature Chemistry</i> , 2017, 9, 1056-1067.	13.6	259
59	Tuning the Cavity Size and Chirality of Self-Assembling 3D DNA Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 11254-11260.	13.7	47
60	Understanding the Elementary Steps in DNA Tile-Based Self-Assembly. <i>ACS Nano</i> , 2017, 11, 9370-9381.	14.6	18
61	Single-stranded DNA and RNA origami. <i>Science</i> , 2017, 358, .	12.6	202
62	Practical aspects of structural and dynamic DNA nanotechnology. <i>MRS Bulletin</i> , 2017, 42, 889-896.	3.5	23
63	Nanoscale mazes. <i>Nature Nanotechnology</i> , 2017, 12, 189-190.	31.5	9
64	Self-Assembly of Complex DNA Tessellations by Using Low-Symmetry Multi-Arm DNA Tiles. <i>Angewandte Chemie</i> , 2016, 128, 9006-9009.	2.0	10
65	Directional Regulation of Enzyme Pathways through the Control of Substrate Channeling on a DNA Origami Scaffold. <i>Angewandte Chemie</i> , 2016, 128, 7609-7612.	2.0	21
66	Self-Assembly of Complex DNA Tessellations by Using Low-Symmetry Multi-Arm DNA Tiles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8860-8863.	13.8	34
67	Directional Regulation of Enzyme Pathways through the Control of Substrate Channeling on a DNA Origami Scaffold. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7483-7486.	13.8	122
68	A Three-Enzyme Pathway with an Optimised Geometric Arrangement to Facilitate Substrate Transfer. <i>ChemBioChem</i> , 2016, 17, 1097-1101.	2.6	54
69	Designer nanoscale DNA assemblies programmed from the top down. <i>Science</i> , 2016, 352, 1534-1534.	12.6	500
70	Photocurrent Generation by Photosynthetic Purple Bacterial Reaction Centers Interfaced with a Porous Antimony-Doped Tin Oxide (ATO) Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25104-25110.	8.0	15
71	3D Framework DNA Origami with Layered Crossovers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12832-12835.	13.8	31
72	3D Framework DNA Origami with Layered Crossovers. <i>Angewandte Chemie</i> , 2016, 128, 13024-13027.	2.0	12

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73	Construction and Structure Determination of a Three-Dimensional DNA Crystal. <i>Journal of the American Chemical Society</i> , 2016, 138, 10047-10054.	13.7	63
74	Assembly of multienzyme complexes on DNA nanostructures. <i>Nature Protocols</i> , 2016, 11, 2243-2273.	12.0	100
75	DNA based arithmetic function: a half adder based on DNA strand displacement. <i>Nanoscale</i> , 2016, 8, 3775-3784.	5.6	71
76	DNAzyme-Based Logic Gate-Mediated DNA Self-Assembly. <i>Nano Letters</i> , 2016, 16, 736-741.	9.1	77
77	Nanocaged enzymes with enhanced catalytic activity and increased stability against protease digestion. <i>Nature Communications</i> , 2016, 7, 10619.	12.8	346
78	Rational design of DNA-actuated enzyme nanoreactors guided by single molecule analysis. <i>Nanoscale</i> , 2016, 8, 3125-3137.	5.6	21
79	DNA Nanostructures as Programmable Biomolecular Scaffolds. <i>Bioconjugate Chemistry</i> , 2015, 26, 1381-1395.	3.6	134
80	Complex wireframe DNA origami nanostructures with multi-arm junction vertices. <i>Nature Nanotechnology</i> , 2015, 10, 779-784.	31.5	349
81	Single-Particle Tracking and Modulation of Cell Entry Pathways of a Tetrahedral DNA Nanostructure in Live Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7745-7750.	13.8	430
82	Lattice-free prediction of three-dimensional structure of programmed DNA assemblies. <i>Nature Communications</i> , 2014, 5, 5578.	12.8	101
83	Titelbild: Single-Particle Tracking and Modulation of Cell Entry Pathways of a Tetrahedral DNA Nanostructure in Live Cells (<i>Angew. Chem.</i> 30/2014). <i>Angewandte Chemie</i> , 2014, 126, 7809-7809.	2.0	1
84	DNA-“Cholesterol Barges as Programmable Membrane-Exploring Agents. <i>ACS Nano</i> , 2014, 8, 5641-5649.	14.6	85
85	A DNA-Directed Light-Harvesting/Reaction Center System. <i>Journal of the American Chemical Society</i> , 2014, 136, 16618-16625.	13.7	100
86	Low Temperature Assembly of Functional 3D DNA-PNA-Protein Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 8283-8295.	13.7	33
87	Controlled Nucleation and Growth of DNA Tile Arrays within Prescribed DNA Origami Frames and Their Dynamics. <i>Journal of the American Chemical Society</i> , 2014, 136, 3724-3727.	13.7	28
88	Hierarchical Assembly of Plasmonic Nanostructures Using Virus Capsid Scaffolds on DNA Origami Templates. <i>ACS Nano</i> , 2014, 8, 7896-7904.	14.6	33
89	Structural DNA Nanotechnology: State of the Art and Future Perspective. <i>Journal of the American Chemical Society</i> , 2014, 136, 11198-11211.	13.7	492
90	Kinetics of DNA Tile Dimerization. <i>ACS Nano</i> , 2014, 8, 5826-5832.	14.6	17

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91	Multi-enzyme complexes on DNA scaffolds capable of substrate channelling with an artificial swinging arm. <i>Nature Nanotechnology</i> , 2014, 9, 531-536.	31.5	423
92	A DNA tweezer-actuated enzyme nanoreactor. <i>Nature Communications</i> , 2013, 4, 2127.	12.8	267
93	Mapping the Thermal Behavior of DNA Origami Nanostructures. <i>Journal of the American Chemical Society</i> , 2013, 135, 6165-6176.	13.7	73
94	On-chip isotachopheresis separation of functional DNA origami capture nanoarrays from cell lysate. <i>Nano Research</i> , 2013, 6, 712-719.	10.4	18
95	A perspective on functionalizing colloidal quantum dots with DNA. <i>Nano Research</i> , 2013, 6, 853-870.	10.4	31
96	DNA functionalization of colloidal II-VI semiconductor nanowires for multiplex nanoheterostructures. <i>Chemical Science</i> , 2013, 4, 2234.	7.4	18
97	DNA origami templated self-assembly of discrete length single wall carbon nanotubes. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 596-598.	2.8	40
98	Multifactorial Modulation of Binding and Dissociation Kinetics on Two-Dimensional DNA Nanostructures. <i>Nano Letters</i> , 2013, 13, 2754-2759.	9.1	42
99	Complex Archimedean Tiling Self-Assembled from DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2013, 135, 7458-7461.	13.7	63
100	Functionalized DNA Nanostructures for Nanomedicine. <i>Israel Journal of Chemistry</i> , 2013, 53, 555-566.	2.3	8
101	Unidirectional Scaffold Strand Arrangement in DNA Origami. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9031-9034.	13.8	19
102	DNA Gridiron Nanostructures Based on Four-Arm Junctions. <i>Science</i> , 2013, 339, 1412-1415.	12.6	246
103	DNA Origami as a Carrier for Circumvention of Drug Resistance. <i>Journal of the American Chemical Society</i> , 2012, 134, 13396-13403.	13.7	653
104	Spatially-Interactive Biomolecular Networks Organized by Nucleic Acid Nanostructures. <i>Accounts of Chemical Research</i> , 2012, 45, 1215-1226.	15.6	140
105	Interenzyme Substrate Diffusion for an Enzyme Cascade Organized on Spatially Addressable DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2012, 134, 5516-5519.	13.7	623
106	Charge Transport within a Three-Dimensional DNA Nanostructure Framework. <i>Journal of the American Chemical Society</i> , 2012, 134, 13148-13151.	13.7	118
107	Robust DNA-Functionalized Core/Shell Quantum Dots with Fluorescent Emission Spanning from UV-vis to Near-IR and Compatible with DNA-Directed Self-Assembly. <i>Journal of the American Chemical Society</i> , 2012, 134, 17424-17427.	13.7	108
108	Effect of DNA Hairpin Loops on the Twist of Planar DNA Origami Tiles. <i>Langmuir</i> , 2012, 28, 1959-1965.	3.5	28

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109	A DNA Nanostructure Platform for Directed Assembly of Synthetic Vaccines. Nano Letters, 2012, 12, 4254-4259.	9.1	280
110	Steric Crowding and the Kinetics of DNA Hybridization within a DNA Nanostructure System. ACS Nano, 2012, 6, 5521-5530.	14.6	33
111	Reconfigurable DNA Origami to Generate Quasifractal Patterns. Nano Letters, 2012, 12, 3290-3295.	9.1	66
112	DNA Origami with Double-Stranded DNA As a Unified Scaffold. ACS Nano, 2012, 6, 8209-8215.	14.6	77
113	Size-Selective Incorporation of DNA Nanocages into Nanoporous Antimony-Doped Tin Oxide Materials. ACS Nano, 2011, 5, 6060-6068.	14.6	18
114	DNA-Directed Artificial Light-Harvesting Antenna. Journal of the American Chemical Society, 2011, 133, 11985-11993.	13.7	263
115	DNA Directed Self-Assembly of Anisotropic Plasmonic Nanostructures. Journal of the American Chemical Society, 2011, 133, 17606-17609.	13.7	214
116	DNA origami: a quantum leap for self-assembly of complex structures. Chemical Society Reviews, 2011, 40, 5636.	38.1	444
117	Stability of DNA Origami Nanoarrays in Cell Lysate. Nano Letters, 2011, 11, 1477-1482.	9.1	303
118	Challenges and opportunities for structural DNA nanotechnology. Nature Nanotechnology, 2011, 6, 763-772.	31.5	1,169
119	STRUCTURAL DNA NANOTECHNOLOGY: INFORMATION GUIDED SELF-ASSEMBLY. , 2011, , 65-84.		1
120	Organizing DNA Origami Tiles into Larger Structures Using Preformed Scaffold Frames. Nano Letters, 2011, 11, 2997-3002.	9.1	174
121	DNA Origami with Complex Curvatures in Three-Dimensional Space. Science, 2011, 332, 342-346.	12.6	1,074
122	Encapsulation of Gold Nanoparticles in a DNA Origami Cage. Angewandte Chemie - International Edition, 2011, 50, 2041-2044.	13.8	135
123	Site-Specific Synthesis and In Situ Immobilization of Fluorescent Silver Nanoclusters on DNA Nanoscaffolds by Use of the Tollens Reaction. Angewandte Chemie - International Edition, 2011, 50, 4176-4179.	13.8	94
124	Molecular Behavior of DNA Origami in Higher-Order Self-Assembly. Journal of the American Chemical Society, 2010, 132, 13545-13552.	13.7	123
125	DNA Self-assembly for Nanomedicine. Advanced Drug Delivery Reviews, 2010, 62, 617-625.	13.7	127
126	Gold Nanoparticle Self-Similar Chain Structure Organized by DNA Origami. Journal of the American Chemical Society, 2010, 132, 3248-3249.	13.7	502

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127	A DNA Nanostructure-based Biomolecular Probe Carrier Platform for Electrochemical Biosensing. <i>Advanced Materials</i> , 2010, 22, 4754-4758.	21.0	484
128	A Route to Scale Up DNA Origami Using DNA Tiles as Folding Staples. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1414-1417.	13.8	122
129	DNA-Origami-Directed Self-Assembly of Discrete Silver-Nanoparticle Architectures. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2700-2704.	13.8	278
130	DNA origami: a history and current perspective. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 608-615.	6.1	161
131	Molecular robots guided by prescriptive landscapes. <i>Nature</i> , 2010, 465, 206-210.	27.8	843
132	Folding and cutting DNA into reconfigurable topological nanostructures. <i>Nature Nanotechnology</i> , 2010, 5, 712-717.	31.5	289
133	Immobilization and One-Dimensional Arrangement of Virus Capsids with Nanoscale Precision Using DNA Origami. <i>Nano Letters</i> , 2010, 10, 2714-2720.	9.1	118
134	Interconnecting Gold Islands with DNA Origami Nanotubes. <i>Nano Letters</i> , 2010, 10, 5065-5069.	9.1	93
135	A synthetic strategy of quantum dot-bioconjugate. , 2010, , .		0
136	A Replicable Tetrahedral Nanostructure Self-Assembled from a Single DNA Strand. <i>Journal of the American Chemical Society</i> , 2009, 131, 13093-13098.	13.7	89
137	Tiamat: A Three-Dimensional Editing Tool for Complex DNA Structures. <i>Lecture Notes in Computer Science</i> , 2009, , 90-101.	1.3	83
138	Template-Directed Nucleation and Growth of Inorganic Nanoparticles on DNA Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8494-8496.	13.8	66
139	Controlled Delivery of DNA Origami on Patterned Surfaces. <i>Small</i> , 2009, 5, 1942-1946.	10.0	80
140	Coordinating corners. <i>Nature Chemistry</i> , 2009, 1, 339-340.	13.6	2
141	Designer DNA Nanoarchitectures. <i>Biochemistry</i> , 2009, 48, 1663-1674.	2.5	260
142	Control of Self-Assembly of DNA Tubules Through Integration of Gold Nanoparticles. <i>Science</i> , 2009, 323, 112-116.	12.6	680
143	Multilayer DNA Origami Packed on a Square Lattice. <i>Journal of the American Chemical Society</i> , 2009, 131, 15903-15908.	13.7	380
144	Scaffolded DNA Origami of a DNA Tetrahedron Molecular Container. <i>Nano Letters</i> , 2009, 9, 2445-2447.	9.1	306

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145	Quantum Dot Bioconjugation during Core-Shell Synthesis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 316-319.	13.8	80
146	DNA-Tile-Directed Self-Assembly of Quantum Dots into Two-Dimensional Nanopatterns. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5157-5159.	13.8	151
147	Cell Nucleus Penetration by Quantum Dots Induced by Nuclear Staining Organic Fluorophore and UV-Irradiation. <i>Advanced Materials</i> , 2008, 20, 3468-3473.	21.0	18
148	In vivo cloning of artificial DNA nanostructures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17626-17631.	7.1	111
149	Toward Reliable Gold Nanoparticle Patterning On Self-Assembled DNA Nanoscaffold. <i>Journal of the American Chemical Society</i> , 2008, 130, 7820-7821.	13.7	266
150	Self-assembled DNA nanostructures for distance-dependent multivalent ligand-protein binding. <i>Nature Nanotechnology</i> , 2008, 3, 418-422.	31.5	439
151	Self-Assembled Water-Soluble Nucleic Acid Probe Tiles for Label-Free RNA Hybridization Assays. <i>Science</i> , 2008, 319, 180-183.	12.6	432
152	Spatially Addressable Multiprotein Nanoarrays Templated by Aptamer-Tagged DNA Nanoarchitectures. <i>Journal of the American Chemical Society</i> , 2007, 129, 10304-10305.	13.7	258
153	Rolling Circle Enzymatic Replication of a Complex Multi-Crossover DNA Nanostructure. <i>Journal of the American Chemical Society</i> , 2007, 129, 14475-14481.	13.7	66
154	Self-Assembled Peptide Nanoarrays: An Approach to Studying Protein-Protein Interactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3051-3054.	13.8	123
155	Functional DNA Nanotube Arrays: Bottom-Up Meets Top-Down. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6089-6092.	13.8	61
156	Two-dimensional LNA/DNA arrays: estimating the helicity of LNA/DNA hybrid duplex. <i>Chemical Communications</i> , 2006, , 2675.	4.1	19
157	Periodic Square-Like Gold Nanoparticle Arrays Templated by Self-Assembled 2D DNA Nanogrids on a Surface. <i>Nano Letters</i> , 2006, 6, 248-251.	9.1	323
158	A Study of DNA Tube Formation Mechanisms Using 4-, 8-, and 12-Helix DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2006, 128, 4414-4421.	13.7	141
159	Towards Rapid DNA Sequencing: Detecting Single-Stranded DNA with a Solid-State Nanopore. <i>Small</i> , 2006, 2, 310-312.	10.0	20
160	DNA-Templated Self-Assembly of Two-Dimensional and Periodical Gold Nanoparticle Arrays. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 730-735.	13.8	301
161	Self-Assembled Signaling Aptamer DNA Arrays for Protein Detection. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5296-5301.	13.8	141
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