

# Baoquan Ding

## List of Publications by Year in descending order

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102  
papers

10,180  
citations

38742

50  
h-index

34986

98  
g-index

104  
all docs

104  
docs citations

104  
times ranked

8851  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	DNA Origami as an <i>In Vivo</i> Drug Delivery Vehicle for Cancer Therapy. <i>ACS Nano</i> , 2014, 8, 6633-6643.	14.6	534
4	Gold Nanoparticle Self-Similar Chain Structure Organized by DNA Origami. <i>Journal of the American Chemical Society</i> , 2010, 132, 3248-3249.	13.7	502
5	Rolling Up Gold Nanoparticle-Dressed DNA Origami into Three-Dimensional Plasmonic Chiral Nanostructures. <i>Journal of the American Chemical Society</i> , 2012, 134, 146-149.	13.7	382
6	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018, 61, 1503-1552.	8.2	336
7	Low-cost thermophoretic profiling of extracellular-vesicle surface proteins for the early detection and classification of cancers. <i>Nature Biomedical Engineering</i> , 2019, 3, 183-193.	22.5	324
8	A DNA nanodevice-based vaccine for cancer immunotherapy. <i>Nature Materials</i> , 2021, 20, 421-430.	27.5	320
9	DNA-Origami-Directed Self-Assembly of Discrete Silver Nanoparticle Architectures. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2700-2704.	13.8	278
10	Three-Dimensional Plasmonic Chiral Tetramers Assembled by DNA Origami. <i>Nano Letters</i> , 2013, 13, 2128-2133.	9.1	254
11	Operation of a DNA Robot Arm Inserted into a 2D DNA Crystalline Substrate. <i>Science</i> , 2006, 314, 1583-1585.	12.6	219
12	A DNA-Based Nanocarrier for Efficient Gene Delivery and Combined Cancer Therapy. <i>Nano Letters</i> , 2018, 18, 3328-3334.	9.1	216
13	Pseudo-hexagonal 2D DNA Crystals from Double Crossover Cohesion. <i>Journal of the American Chemical Society</i> , 2004, 126, 10230-10231.	13.7	214
14	DNA-Nanostructure-Gold-Nanorod Hybrids for Enhanced In Vivo Optoacoustic Imaging and Photothermal Therapy. <i>Advanced Materials</i> , 2016, 28, 10000-10007.	21.0	185
15	Plasmonic Toroidal Metamolecules Assembled by DNA Origami. <i>Journal of the American Chemical Society</i> , 2016, 138, 5495-5498.	13.7	165
16	Microfluidic Synthesis of Hybrid Nanoparticles with Controlled Lipid Layers: Understanding Flexibility-Regulated Cell-Nanoparticle Interaction. <i>ACS Nano</i> , 2015, 9, 9912-9921.	14.6	163
17	A Tailored DNA NanoplatforM for Synergistic RNAi-Chemotherapy of Multidrug-Resistant Tumors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15486-15490.	13.8	157
18	A Photosensitizer-Loaded DNA Origami Nanosystem for Photodynamic Therapy. <i>ACS Nano</i> , 2016, 10, 3486-3495.	14.6	156

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19	DNA Origami Directed Assembly of Gold Bowtie Nanoantennas for Single-Molecule Surface-Enhanced Raman Scattering. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2846-2850.	13.8	150
20	Protein analysis of extracellular vesicles to monitor and predict therapeutic response in metastatic breast cancer. <i>Nature Communications</i> , 2021, 12, 2536.	12.8	147
21	Sparse deconvolution improves the resolution of live-cell super-resolution fluorescence microscopy. <i>Nature Biotechnology</i> , 2022, 40, 606-617.	17.5	140
22	Rationally Designed DNA-Origami Nanomaterials for Drug Delivery In Vivo. <i>Advanced Materials</i> , 2019, 31, e1804785.	21.0	138
23	A Nanobody-Conjugated DNA Nanoplatfor for Targeted Platinum-Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14224-14228.	13.8	135
24	Reconfigurable Three-Dimensional Gold Nanorod Plasmonic Nanostructures Organized on DNA Origami Tripod. <i>ACS Nano</i> , 2017, 11, 1172-1179.	14.6	129
25	A Tubular DNA Nanodevice as a siRNA/Chemo-Drug Co-delivery Vehicle for Combined Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2594-2598.	13.8	128
26	Stimulus-Responsive Plasmonic Chiral Signals of Gold Nanorods Organized on DNA Origami. <i>Nano Letters</i> , 2017, 17, 7125-7130.	9.1	109
27	Visualization of the intracellular location and stability of DNA origami with a label-free fluorescent probe. <i>Chemical Communications</i> , 2012, 48, 11301.	4.1	105
28	DNA origami/gold nanorod hybrid nanostructures for the circumvention of drug resistance. <i>Nanoscale</i> , 2017, 9, 7750-7754.	5.6	104
29	Circularly Polarized Luminescence of Achiral Cyanine Molecules Assembled on DNA Templates. <i>Journal of the American Chemical Society</i> , 2019, 141, 9490-9494.	13.7	103
30	Engineering DNA Self-Assemblies as Templates for Functional Nanostructures. <i>Accounts of Chemical Research</i> , 2014, 47, 1654-1662.	15.6	101
31	A Self-Assembled DNA Origami-Gold Nanorod Complex for Cancer Theranostics. <i>Small</i> , 2015, 11, 5134-5141.	10.0	99
32	3D plasmonic chiral colloids. <i>Nanoscale</i> , 2014, 6, 2077.	5.6	98
33	A Self-Assembled Platform Based on Branched DNA for sgRNA/Cas9/Antisense Delivery. <i>Journal of the American Chemical Society</i> , 2019, 141, 19032-19037.	13.7	93
34	Self-Assembled Catalytic DNA Nanostructures for Synthesis of Para-directed Polyaniline. <i>ACS Nano</i> , 2013, 7, 1591-1598.	14.6	91
35	Self-Assembled DNA Dendrimer Nanoparticle for Efficient Delivery of Immunostimulatory CpG Motifs. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 20324-20329.	8.0	89
36	DNA-assembled bimetallic plasmonic nanosensors. <i>Light: Science and Applications</i> , 2014, 3, e226-e226.	16.6	80

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37	Engineering Gold Nanoparticles with DNA Ligands for Selective Catalytic Oxidation of Chiral Substrates. <i>ACS Catalysis</i> , 2015, 5, 1489-1498.	11.2	79
38	Cofactor-free oxidase-mimetic nanomaterials from self-assembled histidine-rich peptides. <i>Nature Materials</i> , 2021, 20, 395-402.	27.5	78
39	Rationally designed DNA-based nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2019, 147, 2-21.	13.7	77
40	Sheathless Focusing and Separation of Diverse Nanoparticles in Viscoelastic Solutions with Minimized Shear Thinning. <i>Analytical Chemistry</i> , 2016, 88, 12547-12553.	6.5	74
41	Efficient Intracellular Delivery of RNase A Using DNA Origami Carriers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11112-11118.	8.0	74
42	Paranemic Crossover DNA: There and Back Again. <i>Chemical Reviews</i> , 2019, 119, 6273-6289.	47.7	69
43	A DNA origami-based aptamer nanoarray for potent and reversible anticoagulation in hemodialysis. <i>Nature Communications</i> , 2021, 12, 358.	12.8	69
44	Self-Assembled DNA/Peptide-Based Nanoparticle Exhibiting Synergistic Enzymatic Activity. <i>ACS Nano</i> , 2017, 11, 7251-7258.	14.6	67
45	Shape-Controlled Nanofabrication of Conducting Polymer on Planar DNA Templates. <i>Chemistry of Materials</i> , 2014, 26, 3364-3367.	6.7	66
46	Self-Assembled Double-Bundle DNA Tetrahedron for Efficient Antisense Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23693-23699.	8.0	66
47	A facile and efficient method to modify gold nanorods with thiolated DNA at a low pH value. <i>Chemical Communications</i> , 2013, 49, 2533.	4.1	65
48	Site-Specific Synthesis of Silica Nanostructures on DNA Origami Templates. <i>Advanced Materials</i> , 2020, 32, e2000294.	21.0	61
49	Precise Organization of Metal and Metal Oxide Nanoclusters into Arbitrary Patterns on DNA Origami. <i>Journal of the American Chemical Society</i> , 2019, 141, 17968-17972.	13.7	59
50	Functional DNA Nanostructures for Photonic and Biomedical Applications. <i>Small</i> , 2013, 9, 2210-2222.	10.0	54
51	Fabrication of Metal Nanostructures on DNA Templates. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13835-13852.	8.0	52
52	Smart Nanomachines Based on DNA Self-Assembly. <i>Small</i> , 2013, 9, 2382-2392.	10.0	50
53	Branched Antisense and siRNA Co-Assembled Nanoplatform for Combined Gene Silencing and Tumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1853-1860.	13.8	48
54	Large Rabi splitting obtained in Ag-WS2 strong-coupling heterostructure with optical microcavity at room temperature. <i>Opto-Electronic Advances</i> , 2019, 2, 19000801-19000809.	13.3	44

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55	Double cohesion in structural DNA nanotechnology. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3414.	2.8	40
56	Strong Light-Matter Interactions in Chiral Plasmonic-Excitonic Systems Assembled on DNA Origami. <i>Nano Letters</i> , 2021, 21, 3573-3580.	9.1	38
57	Multifunctional DNA Origami Nanoplatfoms for Drug Delivery. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2193-2202.	3.3	36
58	Designed Self-Assembly of Peptides with G-Quadruplex/Hemin DNAzyme into Nanofibrils Possessing Enzyme-Mimicking Active Sites and Catalytic Functions. <i>ACS Catalysis</i> , 2018, 8, 7016-7024.	11.2	34
59	Enhanced Stability of DNA Nanostructures by Incorporation of Unnatural Base Pairs. <i>ChemPhysChem</i> , 2017, 18, 2977-2980.	2.1	33
60	Biomedical Applications of DNA-Based Molecular Devices. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801658.	7.6	33
61	Multifunctional nucleic acid nanostructures for gene therapies. <i>Nano Research</i> , 2018, 11, 5017-5027.	10.4	30
62	A Tailored DNA Nanoplatfom for Synergistic RNAi-Chemotherapy of Multidrug-Resistant Tumors. <i>Angewandte Chemie</i> , 2018, 130, 15712-15716.	2.0	29
63	Gene Therapy Based on Nucleic Acid Nanostructure. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001046.	7.6	29
64	Enzyme Mimic Nanomaterials and Their Biomedical Applications. <i>ChemBioChem</i> , 2020, 21, 2408-2418.	2.6	29
65	Multifunctional Double-Bundle DNA Tetrahedron for Efficient Regulation of Gene Expression. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32461-32467.	8.0	27
66	Shape Complementarity Modulated Self-Assembly of Nanoring and Nanosphere Hetero-nanostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 11680-11684.	13.7	26
67	DNA Nanostructure-Based Imaging Probes and Drug Carriers. <i>ChemMedChem</i> , 2014, 9, 2013-2020.	3.2	25
68	DNA-Based Nanotemplate Directed In Situ Synthesis of Silver Nanoclusters with Specific Fluorescent Emission: Surface-Guided Chemical Reactions. <i>Chemistry of Materials</i> , 2016, 28, 8834-8841.	6.7	25
69	Anticancer Activities of Tumor-killing Nanorobots. <i>Trends in Biotechnology</i> , 2019, 37, 573-577.	9.3	24
70	A Nucleic Acid/Gold Nanorod-Based Nanoplatfom for Targeted Gene Editing and Combined Tumor Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20974-20981.	8.0	24
71	An Aptamer-Modified DNA Tetrahedron-Based Nanogel for Combined Chemo/Gene Therapy of Multidrug-Resistant Tumors. <i>ACS Applied Bio Materials</i> , 2021, 4, 7701-7707.	4.6	22
72	A DNA-Based Plasmonic Nanodevice for Cascade Signal Amplification. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22

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73	Self-Assembled DNA Nanostructures for Biomedical Applications. ChemNanoMat, 2017, 3, 713-724.	2.8	21
74	A Nanobody-Conjugated DNA Nanoplatform for Targeted Platinum-Drug Delivery. Angewandte Chemie, 2019, 131, 14362-14366.	2.0	21
75	Enzyme Mimic Based on a Self-Assembled Chitosan/DNA Hybrid Exhibits Superior Activity and Tolerance. Chemistry - A European Journal, 2019, 25, 12576-12582.	3.3	21
76	An RNA/DNA hybrid origami-based nanoplatform for efficient gene therapy. Nanoscale, 2021, 13, 12848-12853.	5.6	21
77	DNA Origami Directed Assembly of Gold Bowtie Nanoantennas for Single-Molecule Surface-Enhanced Raman Scattering. Angewandte Chemie, 2018, 130, 2896-2900.	2.0	17
78	Stimuli-Responsive DNA Origami Nanodevices and Their Biological Applications. ChemMedChem, 2022, 17, .	3.2	17
79	Hierarchical Assembly of Super-DNA Origami Based on a Flexible and Covalent-Bound Branched DNA Structure. Journal of the American Chemical Society, 2021, 143, 19893-19900.	13.7	17
80	Nucleic acid-based aggregates and their biomedical applications. Aggregate, 2021, 2, 133-144.	9.9	16
81	The study of the paranemic crossover (PX) motif in the context of self-assembly of DNA 2D crystals. Organic and Biomolecular Chemistry, 2016, 14, 7187-7190.	2.8	15
82	Tumor-Targeted DNA Bipyramid for <i>in Vivo</i> Dual-Modality Imaging. ACS Applied Bio Materials, 2020, 3, 2854-2860.	4.6	14
83	Strong plasmon-exciton coupling in bimetallic nanorings and nanocuboids. Journal of Materials Chemistry C, 2020, 8, 7672-7678.	5.5	14
84	A Tubular DNA Nanodevice as a siRNA/Chemotherapy Drug Co-delivery Vehicle for Combined Cancer Therapy. Angewandte Chemie, 2021, 133, 2626-2630.	2.0	14
85	Genetically Encoded Double-Stranded DNA-Based Nanostructure Folded by a Covalently Bivalent CRISPR/dCas System. Journal of the American Chemical Society, 2022, 144, 6575-6582.	13.7	11
86	DNA-based enzymatic systems and their applications. IScience, 2022, 25, 104018.	4.1	11
87	A bumpy gold nanostructure exhibiting DNA-engineered stimuli-responsive SERS signals. Nanoscale, 2018, 10, 9455-9459.	5.6	10
88	Branched Antisense and siRNA Co-Assembled Nanoplatform for Combined Gene Silencing and Tumor Therapy. Angewandte Chemie, 2021, 133, 1881-1888.	2.0	10
89	Facilitation of DNA self-assembly by relieving the torsional strains between building blocks. Organic and Biomolecular Chemistry, 2017, 15, 465-469.	2.8	9
90	DNA origami directed fabrication of shape-controllable nanomaterials. APL Materials, 2020, 8, .	5.1	9

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91	Efficient construction of a stable linear gene based on a TNA loop modified primer pair for gene delivery. <i>Chemical Communications</i> , 2020, 56, 9894-9897.	4.1	9
92	NAD <sup>+</sup> Cofactor Regeneration by TMB-Mediated Horseradish Peroxidase-Catalyzed Reactions. <i>ChemistrySelect</i> , 2018, 3, 10900-10904.	1.5	8
93	Logic devices based on nucleic acid self-assembly. <i>Information Materials</i> , 2021, 3, 1070-1082.	17.3	8
94	Chemically modified DNA nanostructures for drug delivery. <i>Innovation(China)</i> , 2022, 3, 100217.	9.1	8
95	A DNA-Based Plasmonic Nanodevice for Cascade Signal Amplification. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
96	Surface-Guided Chemical Processes on Self-Assembled DNA Nanostructures. <i>Langmuir</i> , 2018, 34, 14954-14962.	3.5	4
97	Shape-controllable Synthesis of Functional Nanomaterials on DNA Templates. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 171-176.	2.6	4
98	Visualization of the intracellular location and stability of DNA flowers with a label-free fluorescent probe. <i>RSC Advances</i> , 2019, 9, 15205-15209.	3.6	3
99	Bioimaging Based on Nucleic Acid Nanostructures. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 823-828.	2.6	3
100	DNA-based plasmonic nanostructures and their optical and biomedical applications. <i>Nanotechnology</i> , 2021, 32, 402002.	2.6	3
101	Regulation of Biological Functions at the Cell Interface by DNA Nanostructures. <i>Advanced NanoBiomed Research</i> , 2022, 2, 2100126.	3.6	2
102	Experiments in structural DNA nanotechnology: arrays and devices. , 2005, 5592, 71.		1