

Baoquan Ding

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

10,180
citations

38660

50
h-index

34900

98
g-index

104
all docs

104
docs citations

104
times ranked

8851
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-Responsive DNA Origami Nanodevices and Their Biological Applications. <i>ChemMedChem</i> , 2022, 17, .	1.6	17
2	Sparse deconvolution improves the resolution of live-cell super-resolution fluorescence microscopy. <i>Nature Biotechnology</i> , 2022, 40, 606-617.	9.4	140
3	Regulation of Biological Functions at the Cell Interface by DNA Nanostructures. <i>Advanced NanoBiomed Research</i> , 2022, 2, 2100126.	1.7	2
4	Chemically modified DNA nanostructures for drug delivery. <i>Innovation(China)</i> , 2022, 3, 100217.	5.2	8
5	A DNA-Based Plasmonic Nanodevice for Cascade Signal Amplification. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
6	Genetically Encoded Double-Stranded DNA-Based Nanostructure Folded by a Covalently Bivalent CRISPR/dCas System. <i>Journal of the American Chemical Society</i> , 2022, 144, 6575-6582.	6.6	11
7	A DNA-Based Plasmonic Nanodevice for Cascade Signal Amplification. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
8	DNA-based enzymatic systems and their applications. <i>IScience</i> , 2022, 25, 104018.	1.9	11
9	A Tubular DNA Nanodevice as a siRNA/Chemo-Drug Co-delivery Vehicle for Combined Cancer Therapy. <i>Angewandte Chemie</i> , 2021, 133, 2626-2630.	1.6	14
10	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.	7.2	128
11	Branched Antisense and siRNA Co-Assembled Nanoplatform for Combined Gene Silencing and Tumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1853-1860.	7.2	48
12	Branched Antisense and siRNA Co-Assembled Nanoplatform for Combined Gene Silencing and Tumor Therapy. <i>Angewandte Chemie</i> , 2021, 133, 1881-1888.	1.6	10
13	Cofactor-free oxidase-mimetic nanomaterials from self-assembled histidine-rich peptides. <i>Nature Materials</i> , 2021, 20, 395-402.	13.3	78
14	A DNA nanodevice-based vaccine for cancer immunotherapy. <i>Nature Materials</i> , 2021, 20, 421-430.	13.3	320
15	A DNA origami-based aptamer nanoarray for potent and reversible anticoagulation in hemodialysis. <i>Nature Communications</i> , 2021, 12, 358.	5.8	69
16	An RNA/DNA hybrid origami-based nanoplatform for efficient gene therapy. <i>Nanoscale</i> , 2021, 13, 12848-12853.	2.8	21
17	Bioimaging Based on Nucleic Acid Nanostructures. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 823-828.	1.3	3
18	Strong Light-Matter Interactions in Chiral Plasmonic-Excitonic Systems Assembled on DNA Origami. <i>Nano Letters</i> , 2021, 21, 3573-3580.	4.5	38

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19	A Nucleic Acid/Gold Nanorod-Based Nanoplatform for Targeted Gene Editing and Combined Tumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20974-20981.	4.0	24
20	Protein analysis of extracellular vesicles to monitor and predict therapeutic response in metastatic breast cancer. <i>Nature Communications</i> , 2021, 12, 2536.	5.8	147
21	DNA-based plasmonic nanostructures and their optical and biomedical applications. <i>Nanotechnology</i> , 2021, 32, 402002.	1.3	3
22	Logic devices based on nucleic acid self-assembly. <i>Informa- Materilly</i> , 2021, 3, 1070-1082.	8.5	8
23	Nucleic acid-based aggregates and their biomedical applications. <i>Aggregate</i> , 2021, 2, 133-144.	5.2	16
24	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.	2.3	22
25	Hierarchical Assembly of Super-DNA Origami Based on a Flexible and Covalent-Bound Branched DNA Structure. <i>Journal of the American Chemical Society</i> , 2021, 143, 19893-19900.	6.6	17
26	Shape-controllable Synthesis of Functional Nanomaterials on DNA Templates. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 171-176.	1.3	4
27	Tumor-Targeted DNA Bipyramid for <i>in Vivo</i> Dual-Modality Imaging. <i>ACS Applied Bio Materials</i> , 2020, 3, 2854-2860.	2.3	14
28	DNA origami directed fabrication of shape-controllable nanomaterials. <i>APL Materials</i> , 2020, 8, .	2.2	9
29	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.	2.2	9
30	Gene Therapy Based on Nucleic Acid Nanostructure. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001046.	3.9	29
31	Strong plasmon-exciton coupling in bimetallic nanorings and nanocuboids. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7672-7678.	2.7	14
32	Shape Complementarity Modulated Self-Assembly of Nanoring and Nanosphere Hetero-nanostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 11680-11684.	6.6	26
33	Multifunctional Double-Bundle DNA Tetrahedron for Efficient Regulation of Gene Expression. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32461-32467.	4.0	27
34	Enzyme Mimic Nanomaterials and Their Biomedical Applications. <i>ChemBioChem</i> , 2020, 21, 2408-2418.	1.3	29
35	Site-Specific Synthesis of Silica Nanostructures on DNA Origami Templates. <i>Advanced Materials</i> , 2020, 32, e2000294.	11.1	61
36	Paranemic Crossover DNA: There and Back Again. <i>Chemical Reviews</i> , 2019, 119, 6273-6289.	23.0	69

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37	A Nanobody-Conjugated DNA Nanoplatfom for Targeted Platinum-Drug Delivery. <i>Angewandte Chemie</i> , 2019, 131, 14362-14366.	1.6	21
38	A Nanobody-Conjugated DNA Nanoplatfom for Targeted Platinum-Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14224-14228.	7.2	135
39	Enzyme Mimic Based on a Self-Assembled Chitosan/DNA Hybrid Exhibits Superior Activity and Tolerance. <i>Chemistry - A European Journal</i> , 2019, 25, 12576-12582.	1.7	21
40	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.	11.6	324
41	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.	6.6	59
42	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.	6.6	93
43	Multifunctional DNA Origami Nanoplatfoms for Drug Delivery. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2193-2202.	1.7	36
44	Circularly Polarized Luminescence of Achiral Cyanine Molecules Assembled on DNA Templates. <i>Journal of the American Chemical Society</i> , 2019, 141, 9490-9494.	6.6	103
45	Visualization of the intracellular location and stability of DNA flowers with a label-free fluorescent probe. <i>RSC Advances</i> , 2019, 9, 15205-15209.	1.7	3
46	Efficient Intracellular Delivery of RNase A Using DNA Origami Carriers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11112-11118.	4.0	74
47	Biomedical Applications of DNA-Based Molecular Devices. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801658.	3.9	33
48	Anticancer Activities of Tumor-killing Nanorobots. <i>Trends in Biotechnology</i> , 2019, 37, 573-577.	4.9	24
49	Rationally designed DNA-based nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2019, 147, 2-21.	6.6	77
50	Fabrication of Metal Nanostructures on DNA Templates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13835-13852.	4.0	52
51	Rationally Designed DNA-Origami Nanomaterials for Drug Delivery In Vivo. <i>Advanced Materials</i> , 2019, 31, e1804785.	11.1	138
52	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.	6.4	44
53	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.	7.2	150
54	DNA Origami Directed Assembly of Gold Bowtie Nanoantennas for Single-Molecule Surface-Enhanced Raman Scattering. <i>Angewandte Chemie</i> , 2018, 130, 2896-2900.	1.6	17

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55	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. <i>Nature Biotechnology</i> , 2018, 36, 258-264.	9.4	1,066
56	A bumpy gold nanostructure exhibiting DNA-engineered stimuli-responsive SERS signals. <i>Nanoscale</i> , 2018, 10, 9455-9459.	2.8	10
57	A DNA-Based Nanocarrier for Efficient Gene Delivery and Combined Cancer Therapy. <i>Nano Letters</i> , 2018, 18, 3328-3334.	4.5	216
58	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018, 61, 1503-1552.	4.2	336
59	A Tailored DNA Nanoplatform for Synergistic RNAi/Chemotherapy of Multidrug-Resistant Tumors. <i>Angewandte Chemie</i> , 2018, 130, 15712-15716.	1.6	29
60	A Tailored DNA Nanoplatform for Synergistic RNAi/Chemotherapy of Multidrug-Resistant Tumors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15486-15490.	7.2	157
61	NAD ⁺ Cofactor Regeneration by TMB-Mediated Horseradish Peroxidase-Catalyzed Reactions. <i>ChemistrySelect</i> , 2018, 3, 10900-10904.	0.7	8
62	Multifunctional nucleic acid nanostructures for gene therapies. <i>Nano Research</i> , 2018, 11, 5017-5027.	5.8	30
63	Self-Assembled Double-Bundle DNA Tetrahedron for Efficient Antisense Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23693-23699.	4.0	66
64	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.	5.5	34
65	Surface-Guided Chemical Processes on Self-Assembled DNA Nanostructures. <i>Langmuir</i> , 2018, 34, 14954-14962.	1.6	4
66	Reconfigurable Three-Dimensional Gold Nanorod Plasmonic Nanostructures Organized on DNA Origami Tripod. <i>ACS Nano</i> , 2017, 11, 1172-1179.	7.3	129
67	DNA origami/gold nanorod hybrid nanostructures for the circumvention of drug resistance. <i>Nanoscale</i> , 2017, 9, 7750-7754.	2.8	104
68	Self-Assembled DNA Dendrimer Nanoparticle for Efficient Delivery of Immunostimulatory CpG Motifs. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20324-20329.	4.0	89
69	Facilitation of DNA self-assembly by relieving the torsional strains between building blocks. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 465-469.	1.5	9
70	Stimulus-Responsive Plasmonic Chiral Signals of Gold Nanorods Organized on DNA Origami. <i>Nano Letters</i> , 2017, 17, 7125-7130.	4.5	109
71	Enhanced Stability of DNA Nanostructures by Incorporation of Unnatural Base Pairs. <i>ChemPhysChem</i> , 2017, 18, 2977-2980.	1.0	33
72	Self-Assembled DNA Nanostructures for Biomedical Applications. <i>ChemNanoMat</i> , 2017, 3, 713-724.	1.5	21

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73	Self-Assembled DNA/Peptide-Based Nanoparticle Exhibiting Synergistic Enzymatic Activity. ACS Nano, 2017, 11, 7251-7258.	7.3	67
74	Plasmonic Toroidal Metamolecules Assembled by DNA Origami. Journal of the American Chemical Society, 2016, 138, 5495-5498.	6.6	165
75	DNA-Nanostructure-Gold-Nanorod Hybrids for Enhanced In Vivo Optoacoustic Imaging and Photothermal Therapy. Advanced Materials, 2016, 28, 10000-10007.	11.1	185
76	Sheathless Focusing and Separation of Diverse Nanoparticles in Viscoelastic Solutions with Minimized Shear Thinning. Analytical Chemistry, 2016, 88, 12547-12553.	3.2	74
77	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.	1.5	15
78	DNA-Based Nanotemplate Directed In Situ Synthesis of Silver Nanoclusters with Specific Fluorescent Emission: Surface-Guided Chemical Reactions. Chemistry of Materials, 2016, 28, 8834-8841.	3.2	25
79	A Photosensitizer-Loaded DNA Origami Nanosystem for Photodynamic Therapy. ACS Nano, 2016, 10, 3486-3495.	7.3	156
80	A Self-Assembled DNA Origami-Gold Nanorod Complex for Cancer Theranostics. Small, 2015, 11, 5134-5141.	5.2	99
81	Engineering Gold Nanoparticles with DNA Ligands for Selective Catalytic Oxidation of Chiral Substrates. ACS Catalysis, 2015, 5, 1489-1498.	5.5	79
82	Microfluidic Synthesis of Hybrid Nanoparticles with Controlled Lipid Layers: Understanding Flexibility-Regulated Cell-Nanoparticle Interaction. ACS Nano, 2015, 9, 9912-9921.	7.3	163
83	DNA-assembled bimetallic plasmonic nanosensors. Light: Science and Applications, 2014, 3, e226-e226.	7.7	80
84	3D plasmonic chiral colloids. Nanoscale, 2014, 6, 2077.	2.8	98
85	DNA Nanostructure-Based Imaging Probes and Drug Carriers. ChemMedChem, 2014, 9, 2013-2020.	1.6	25
86	Engineering DNA Self-Assemblies as Templates for Functional Nanostructures. Accounts of Chemical Research, 2014, 47, 1654-1662.	7.6	101
87	Shape-Controlled Nanofabrication of Conducting Polymer on Planar DNA Templates. Chemistry of Materials, 2014, 26, 3364-3367.	3.2	66
88	DNA Origami as an <i>In Vivo</i> Drug Delivery Vehicle for Cancer Therapy. ACS Nano, 2014, 8, 6633-6643.	7.3	534
89	A facile and efficient method to modify gold nanorods with thiolated DNA at a low pH value. Chemical Communications, 2013, 49, 2533.	2.2	65
90	Self-Assembled Catalytic DNA Nanostructures for Synthesis of Para-directed Polyaniline. ACS Nano, 2013, 7, 1591-1598.	7.3	91

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91	Smart Nanomachines Based on DNA Self-Assembly. <i>Small</i> , 2013, 9, 2382-2392.	5.2	50
92	Three-Dimensional Plasmonic Chiral Tetramers Assembled by DNA Origami. <i>Nano Letters</i> , 2013, 13, 2128-2133.	4.5	254
93	Functional DNA Nanostructures for Photonic and Biomedical Applications. <i>Small</i> , 2013, 9, 2210-2222.	5.2	54
94	DNA Origami as a Carrier for Circumvention of Drug Resistance. <i>Journal of the American Chemical Society</i> , 2012, 134, 13396-13403.	6.6	653
95	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.	6.6	382
96	Visualization of the intracellular location and stability of DNA origami with a label-free fluorescent probe. <i>Chemical Communications</i> , 2012, 48, 11301.	2.2	105
97	Gold Nanoparticle Self-Similar Chain Structure Organized by DNA Origami. <i>Journal of the American Chemical Society</i> , 2010, 132, 3248-3249.	6.6	502
98	DNA-Origami-Directed Self-Assembly of Discrete Silver Nanoparticle Architectures. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2700-2704.	7.2	278
99	Double cohesion in structural DNA nanotechnology. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3414.	1.5	40
100	Operation of a DNA Robot Arm Inserted into a 2D DNA Crystalline Substrate. <i>Science</i> , 2006, 314, 1583-1585.	6.0	219
101	Experiments in structural DNA nanotechnology: arrays and devices. , 2005, 5592, 71.		1
102	Pseudohexagonal 2D DNA Crystals from Double Crossover Cohesion. <i>Journal of the American Chemical Society</i> , 2004, 126, 10230-10231.	6.6	214