

Smart Drug Delivery Nanocarriers with Self-Assemble

Advanced Materials

25, 4386-4396

DOI: [10.1002/adma.201300875](https://doi.org/10.1002/adma.201300875)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Self-Assembled Biodegradable Protein-Polymer Vesicle as a Tumor-Targeted Nanocarrier. ACS Applied Materials & Interfaces, 2014, 6, 2393-2400.	4.0	82
3	Self-assembly of Janus particles confined in a channel. Physical Review E, 2014, 89, 022306.	0.8	12
4	Quantitative single-molecule detection of protein based on DNA tetrahedron fluorescent nanolabels. Talanta, 2014, 125, 393-399.	2.9	16
5	Nanoneedle-Assisted Delivery of Site-Selective Peptide-Functionalized DNA Nanocages for Targeting Mitochondria and Nuclei. Small, 2014, 10, 1255-1260.	5.2	44
6	Self-assembled DNA nanostructures prepared by rolling circle amplification for the delivery of siRNA conjugates. Chemical Communications, 2014, 50, 13049-13051.	2.2	37
7	Periodic Fluorescent Silver Clusters Assembled by Rolling Circle Amplification and Their Sensor Application. ACS Applied Materials & Interfaces, 2014, 6, 16091-16096.	4.0	33
8	Progress Report on the Generation of Polyfunctional Microscale Particles for Programmed Self-Assembly. Chemistry of Materials, 2014, 26, 1457-1462.	3.2	4
9	DNA Nanostructure-Based Imaging Probes and Drug Carriers. ChemMedChem, 2014, 9, 2013-2020.	1.6	25
10	Smart pH-Responsive Nanocarriers Based on Nano-Graphene Oxide for Combined Chemo- and Photothermal Therapy Overcoming Drug Resistance. Advanced Healthcare Materials, 2014, 3, 1261-1271.	3.9	150
11	Multifunctional Inorganic Nanocontainers for DNA and Drug Delivery into Living Cells. Chemistry - A European Journal, 2014, 20, 10900-10904.	1.7	41
12	Novel Theranostic DNA Nanoscaffolds for the Simultaneous Detection and Killing of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . ACS Applied Materials & Interfaces, 2014, 6, 21822-21831.	4.0	107
13	Uniform Small Graphene Oxide as an Efficient Cellular Nanocarrier for Immunostimulatory CpG Oligonucleotides. ACS Applied Materials & Interfaces, 2014, 6, 7926-7932.	4.0	46
14	Physical and Biochemical Insights on DNA Structures in Artificial and Living Systems. Accounts of Chemical Research, 2014, 47, 1720-1730.	7.6	59
15	Nanomechanical Molecular Devices made of DNA Origami. Accounts of Chemical Research, 2014, 47, 1742-1749.	7.6	74
16	A Self-Assembled DNA Origami-Gold Nanorod Complex for Cancer Theranostics. Small, 2015, 11, 5134-5141.	5.2	99
17	Self-assembly of Janus particles into helices with tunable pitch. Physical Review E, 2015, 92, 042309.	0.8	15
18	One-step large-scale deposition of salt-free DNA origami nanostructures. Scientific Reports, 2015, 5, 15634.	1.6	54
19	Advances in Functional Assemblies for Regenerative Medicine. Advanced Healthcare Materials, 2015, 4, 2500-2519.	3.9	4

#	ARTICLE	IF	CITATIONS
20	Perspectives on the Emerging Applications of Multifaceted Biomedical Polymeric Nanomaterials. Journal of Nanomaterials, 2015, 2015, 1-22.	1.5	2
21	Multifunctional DNA Nanomaterials for Biomedical Applications. Journal of Nanomaterials, 2015, 2015, 1-21.	1.5	24
22	Drug-free macromolecular therapeutics – a new paradigm in polymeric nanomedicines. Biomaterials Science, 2015, 3, 908-922.	2.6	50
23	Engineering DNA scaffolds for delivery of anticancer therapeutics. Biomaterials Science, 2015, 3, 1018-1024.	2.6	57
24	Shape control in engineering of polymeric nanoparticles for therapeutic delivery. Biomaterials Science, 2015, 3, 894-907.	2.6	93
25	Chemical Reactions Directed Peptide Self-Assembly. International Journal of Molecular Sciences, 2015, 16, 10797-10820.	1.8	19
26	Renovation of three-dimensional electron beam lithography for improvement of positioning accuracy and reduction of turnaround time. Japanese Journal of Applied Physics, 2015, 54, 06FD02.	0.8	2
27	Regulation of vascular smooth muscle cell autophagy by DNA nanotube-conjugated mTOR siRNA. Biomaterials, 2015, 67, 137-150.	5.7	38
28	Self-Assembling DNA Dendrimer for Effective Delivery of Immunostimulatory CpG DNA to Immune Cells. Biomacromolecules, 2015, 16, 1095-1101.	2.6	62
29	Inhibition of autophagy protects against PAMAM dendrimers-induced hepatotoxicity. Nanotoxicology, 2015, 9, 344-355.	1.6	48
30	A G-triplex luminescent switch-on probe for the detection of mung bean nuclease activity. Journal of Materials Chemistry B, 2015, 3, 348-352.	2.9	15
31	Electrochemical Quantification of <i>Escherichia coli</i> with DNA Nanostructure. Advanced Functional Materials, 2015, 25, 3840-3846.	7.8	72
32	A study of pH-dependence of shrink and stretch of tetrahedral DNA nanostructures. Nanoscale, 2015, 7, 6467-6470.	2.8	17
33	An electrochemical biosensor based on DNA tetrahedron/graphene composite film for highly sensitive detection of NADH. Biosensors and Bioelectronics, 2015, 69, 287-293.	5.3	35
34	A biodegradable and fluorescent nanovehicle with enhanced selective uptake by tumor cells. Polymer Chemistry, 2015, 6, 6529-6542.	1.9	10
35	Optimal Arrangement of Four Short DNA Strands for Delivery of Immunostimulatory Nucleic Acids to Immune Cells. Nucleic Acid Therapeutics, 2015, 25, 245-253.	2.0	17
36	Antisense precision polymer micelles require less poly(ethylenimine) for efficient gene knockdown. Nanoscale, 2015, 7, 20625-20634.	2.8	22
37	Generation of Novel Hybrid Aptamer-Molecularly Imprinted Polymeric Nanoparticles. Advanced Materials, 2015, 27, 750-758.	11.1	71

#	ARTICLE	IF	CITATIONS
38	Constructing Higher-Order DNA Nanoarchitectures with Highly Purified DNA Nanocages. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13174-13179.	4.0	37
39	A Nanostructured SERS Switch Based on Molecular Beacon-Controlled Assembly of Gold Nanoparticles. <i>Nanomaterials</i> , 2016, 6, 24.	1.9	8
40	DNA Nanotechnology for Cancer Therapeutics. <i>Theranostics</i> , 2016, 6, 710-725.	4.6	127
41	Self-Assembled DNA Nanostructures for Drug Delivery. <i>Chinese Journal of Chemistry</i> , 2016, 34, 265-272.	2.6	18
42	DNA Origami: Folded DNA Nanodevices That Can Direct and Interpret Cell Behavior. <i>Advanced Materials</i> , 2016, 28, 5509-5524.	11.1	54
43	A functional oligonucleotide probe from an encapsulated silver nanocluster assembled by rolling circle amplification and its application in label-free sensors. <i>RSC Advances</i> , 2016, 6, 88967-88973.	1.7	9
44	A Rotational BODIPY Nucleotide: An Environment-Sensitive Fluorescence Lifetime Probe for DNA Interactions and Applications in Live-Cell Microscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 174-178.	7.2	103
46	Reorganization of self-assembled supramolecular materials controlled by hydrogen bonding and hydrophilic-lipophilic balance. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2662-2668.	2.9	43
47	Transformable DNA nanocarriers for plasma membrane targeted delivery of cytokine. <i>Biomaterials</i> , 2016, 96, 1-10.	5.7	46
48	Cellular processing and destinies of artificial DNA nanostructures. <i>Chemical Society Reviews</i> , 2016, 45, 4199-4225.	18.7	146
49	Cationic polymers for DNA origami coating – examining their binding efficiency and tuning the enzymatic reaction rates. <i>Nanoscale</i> , 2016, 8, 11674-11680.	2.8	109
50	Delivery of nucleic acids for cancer gene therapy: overcoming extra- and intra-cellular barriers. <i>Therapeutic Delivery</i> , 2016, 7, 619-637.	1.2	22
51	DNA-Nanostructure-Gold-Nanorod Hybrids for Enhanced In Vivo Optoacoustic Imaging and Photothermal Therapy. <i>Advanced Materials</i> , 2016, 28, 10000-10007.	11.1	185
52	Optimized DNA Nanosuitcases for Encapsulation and Conditional Release of siRNA. <i>Journal of the American Chemical Society</i> , 2016, 138, 14030-14038.	6.6	182
53	DNA nanomaterials for preclinical imaging and drug delivery. <i>Journal of Controlled Release</i> , 2016, 239, 27-38.	4.8	57
54	DNA Nanocages. <i>Chemistry of Materials</i> , 2016, 28, 5569-5581.	3.2	81
55	Self-assembled mirror DNA nanostructures for tumor-specific delivery of anticancer drugs. <i>Journal of Controlled Release</i> , 2016, 243, 121-131.	4.8	102
56	DNA nanotechnology for nucleic acid analysis: multifunctional molecular DNA machine for RNA detection. <i>Chemical Communications</i> , 2016, 52, 14318-14321.	2.2	35

#	ARTICLE	IF	CITATIONS
57	A Quick-responsive DNA Nanotechnology Device for Bio-molecular Homeostasis Regulation. Scientific Reports, 2016, 6, 31379.	1.6	9
58	Nature-Inspired Smart DNA Nanodoctor for Activatable In Vivo Cancer Imaging and In Situ Drug Release Based on Recognition-Triggered Assembly of Split Aptamer. Analytical Chemistry, 2016, 88, 11699-11706.	3.2	52
59	Determination of Zeta Potential via Nanoparticle Translocation Velocities through a Tunable Nanopore: Using DNA-modified Particles as an Example. Journal of Visualized Experiments, 2016, , .	0.2	3
60	Biomedical Applications of DNA Nanomaterials Based on Metallic Nanoparticles and DNA Self-Assembled Nanostructures. Chinese Journal of Chemistry, 2016, 34, 283-290.	2.6	11
61	A multifunctional DNA origami as carrier of metal complexes to achieve enhanced tumoral delivery and nullified systemic toxicity. Biomaterials, 2016, 103, 183-196.	5.7	101
62	Self-assembled triangular DNA nanoparticles are an efficient system for gene delivery. Journal of Controlled Release, 2016, 233, 126-135.	4.8	21
63	Tumor-Penetrating Peptide-Modified DNA Tetrahedron for Targeting Drug Delivery. Biochemistry, 2016, 55, 1326-1331.	1.2	122
64	Enhanced Chemotherapeutic Behavior of Open-Caged DNA@Doxorubicin Nanostructures for Cancer Cells. Journal of Cellular Physiology, 2016, 231, 106-110.	2.0	27
65	Multiple-Armed Tetrahedral DNA Nanostructures for Tumor-Targeting, Dual-Modality in Vivo Imaging. ACS Applied Materials & Interfaces, 2016, 8, 4378-4384.	4.0	142
66	Particle-by-Particle Charge Analysis of DNA-Modified Nanoparticles Using Tunable Resistive Pulse Sensing. Langmuir, 2016, 32, 1082-1090.	1.6	73
67	Emerging Frontiers in Drug Delivery. Journal of the American Chemical Society, 2016, 138, 704-717.	6.6	776
68	Exploration of DNA Nanostructures for Rational Design of Vaccines. , 2016, , 279-293.		0
69	Design of smart HPMA copolymer-based nanomedicines. Journal of Controlled Release, 2016, 240, 9-23.	4.8	51
70	Nanodelivery systems for enhancing the immunostimulatory effect of CpG oligodeoxynucleotides. Materials Science and Engineering C, 2017, 70, 935-946.	3.8	60
71	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. Angewandte Chemie - International Edition, 2017, 56, 1855-1858.	7.2	325
72	Ruthenium(II) Complex Incorporated UiO-67 Metal-Organic Framework Nanoparticles for Enhanced Two-Photon Fluorescence Imaging and Photodynamic Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 5699-5708.	4.0	129
73	Supramolecular Amphiphilic Polymer-Based Micelles with Seven-Armed Polyoxazoline Coating for Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 5768-5777.	4.0	38
74	The Beauty and Utility of DNA Origami. Chem, 2017, 2, 359-382.	5.8	269

#	ARTICLE	IF	CITATIONS
75	Protein-Stabilized Gadolinium Oxide-Gold Nanoclusters Hybrid for Multimodal Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6941-6949.	4.0	73
76	Programmable Nano-Bio Interfaces for Functional Biointegrated Devices. <i>Advanced Materials</i> , 2017, 29, 1605529.	11.1	118
77	Shear Dependent LC Purification of an Engineered DNA Nanoswitch and Implications for DNA Origami. <i>Analytical Chemistry</i> , 2017, 89, 5673-5677.	3.2	20
78	Supramolecular Wireframe <scp>DNA</scp> Polyhedra: Assembly and Applications. <i>Chinese Journal of Chemistry</i> , 2017, 35, 801-810.	2.6	8
79	Targeting TNF α Ameliorated Cationic PAMAM Dendrimer-Induced Hepatotoxicity via Regulating NLRP3 Inflammasomes Pathway. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 843-853.	2.6	5
80	Advance of DNA and CCPs-based nanocarriers in drug delivery systems. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, S255-S261.	0.4	2
81	Nanomedicine-based combination anticancer therapy between nucleic acids and small-molecular drugs. <i>Advanced Drug Delivery Reviews</i> , 2017, 115, 82-97.	6.6	64
82	Precisely Tailored DNA Nanostructures and their Theranostic Applications. <i>Chemical Record</i> , 2017, 17, 1213-1230.	2.9	28
83	DNA Origami: Scaffolds for Creating Higher Order Structures. <i>Chemical Reviews</i> , 2017, 117, 12584-12640.	23.0	834
84	Sequence and Structure Dual-Dependent Interaction between Small Molecules and DNA for the Detection of Residual Silver Ions in As-Prepared Silver Nanomaterials. <i>Analytical Chemistry</i> , 2017, 89, 6815-6820.	3.2	23
85	Preservation of DNA Nanostructure Carriers: Effects of Freeze-Thawing and Ionic Strength during Lyophilization and Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18434-18439.	4.0	27
86	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. <i>Angewandte Chemie</i> , 2017, 129, 1881-1884.	1.6	252
87	Advances in DNA Nanostructure-Based Smart Drug Delivery Systems. <i>Nano LIFE</i> , 2017, 07, 1730001.	0.6	2
88	Discrete DNA three-dimensional nanostructures: the synthesis and applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 1-24.	2.0	27
89	Morphology-Directed Selective Production of Ethylene or Ethane from CO ₂ on a Cu Mesopore Electrode. <i>Angewandte Chemie</i> , 2017, 129, 814-818.	1.6	57
90	Morphology-Directed Selective Production of Ethylene or Ethane from CO ₂ on a Cu Mesopore Electrode. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 796-800.	7.2	268
91	Fabrication of nanozyme@DNA hydrogel and its application in biomedical analysis. <i>Nano Research</i> , 2017, 10, 959-970.	5.8	58
92	Engineering nucleic acid structures for programmable molecular circuitry and intracellular biocomputation. <i>Nature Chemistry</i> , 2017, 9, 1056-1067.	6.6	259

#	ARTICLE	IF	CITATIONS
93	Hypotoxic and Rapidly Metabolic PEG-PCL-C3-ICG Nanoparticles for Fluorescence-Guided Photothermal/Photodynamic Therapy against OSCC. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31509-31518.	4.0	69
94	pH-sensitive metal-phenolic network capsules for targeted photodynamic therapy against cancer cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-10.	1.9	10
95	DNA nanostructure-based drug delivery nanosystems in cancer therapy. <i>International Journal of Pharmaceutics</i> , 2017, 533, 169-178.	2.6	35
96	Sequence-independent DNA Nanogel as a Potential Drug Carrier. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700366.	2.0	19
97	Fluorescence Resonance Energy Transfer-Based DNA Nanoprism with a Split Aptamer for Adenosine Triphosphate Sensing in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 10941-10947.	3.2	117
98	Elegant pH-Responsive Nanovehicle for Drug Delivery Based on Triazine Dendrimer Modified Magnetic Nanoparticles. <i>Langmuir</i> , 2017, 33, 8503-8515.	1.6	37
99	Protein Coating of DNA Nanostructures for Enhanced Stability and Immunocompatibility. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700692.	3.9	166
100	Application Progress of DNA Nanostructures in Drug Delivery and Smart Drug Carriers. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 1078-1087.	0.9	8
101	Self-Assembled DNA Nanostructures for Biomedical Applications. <i>ChemNanoMat</i> , 2017, 3, 713-724.	1.5	21
102	Twisting of DNA Origami from Intercalators. <i>Scientific Reports</i> , 2017, 7, 7382.	1.6	17
103	DNA tetrahedron nanostructures for biological applications: biosensors and drug delivery. <i>Analyst</i> , 2017, 142, 3322-3332.	1.7	115
104	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.	4.0	18
105	Real-Time Study of the Interaction between G-Rich DNA Oligonucleotides and Lead Ion on DNA Tetrahedron-Functionalized Sensing Platform by Dual Polarization Interferometry. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41568-41576.	4.0	19
106	Self-Assembled Nanostructures (SANs). , 2017, , 391-409.		2
107	Protecting microRNAs from RNase degradation with steric DNA nanostructures. <i>Chemical Science</i> , 2017, 8, 1062-1067.	3.7	65
108	Proximity hybridization regulated immunoassay. , 2017, , 269-286.		0
109	Applications of nanoscale drugs carriers in the treatment of chronic diseases. , 2017, , 37-55.		4
110	The Application, Neurotoxicity, and Related Mechanism of Cationic Polymers—Conflict of Interests: All the Figures and Table in “The application, neurotoxicity, and related mechanism of cationic polymers” are original, unpublished materials designed and prepared by Yubin Li and Dianwen Ju. The authors declared that there are no conflict of interests. , 2017, , 285-329.		18

#	ARTICLE	IF	CITATIONS
111	Multifunctional quantum dot DNA hydrogels. <i>Nature Communications</i> , 2017, 8, 381.	5.8	104
112	DNA Tetrahedron Delivery Enhances Doxorubicin-Induced Apoptosis of HT-29 Colon Cancer Cells. <i>Nanoscale Research Letters</i> , 2017, 12, 495.	3.1	40
113	Nanomaterials modulate stem cell differentiation: biological interaction and underlying mechanisms. <i>Journal of Nanobiotechnology</i> , 2017, 15, 75.	4.2	83
114	Single-Step In Situ Assembling Routes for the Shape Control of Polymer Nanoparticles. <i>Biomacromolecules</i> , 2018, 19, 1047-1064.	2.6	10
115	DNA Nanotechnology-Enabled Drug Delivery Systems. <i>Chemical Reviews</i> , 2019, 119, 6459-6506.	23.0	768
116	Dynamic self-assembly of DNA minor groove-binding ligand DB921 into nanotubes triggered by an alkali halide. <i>Nanoscale</i> , 2018, 10, 5550-5558.	2.8	6
117	Enhanced Activity of Immunosuppressive Oligodeoxynucleotides by Incorporating Them into Hexapod-Like Nanostructured DNA. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 564-569.	0.6	4
118	Design strategies for physical-stimuli-responsive programmable nanotherapeutics. <i>Drug Discovery Today</i> , 2018, 23, 992-1006.	3.2	66
119	DNA-based nanoscaffolds as vehicles for 5-fluoro-2-deoxyuridine oligomers in colorectal cancer therapy. <i>Nanoscale</i> , 2018, 10, 7238-7249.	2.8	41
120	The Role of Autophagy in Nanoparticles-Induced Toxicity and Its Related Cellular and Molecular Mechanisms. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 71-84.	0.8	44
121	Programmable and Multifunctional DNA-Based Materials for Biomedical Applications. <i>Advanced Materials</i> , 2018, 30, e1703658.	11.1	163
122	Advances in the delivery of antisense oligonucleotides for combating bacterial infectious diseases. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 745-758.	1.7	68
123	The impact of immunotoxicity in evaluation of the nanomaterials safety. <i>Toxicology Research and Application</i> , 2018, 2, 239784731875557.	0.7	17
124	Nanoscale delivery systems for cancer immunotherapy. <i>Materials Horizons</i> , 2018, 5, 344-362.	6.4	57
125	Construction of tunable peptide nucleic acid junctions. <i>Chemical Communications</i> , 2018, 54, 2846-2849.	2.2	14
126	Self-assembled DNA nanomaterials with highly programmed structures and functions. <i>Materials Chemistry Frontiers</i> , 2018, 2, 423-436.	3.2	58
127	A Modularly Designable Vesicle for Sequentially Multiple Loading. <i>Small</i> , 2018, 14, 1703259.	5.2	11
128	Recent advances in iridium(III) complex-assisted nanomaterials for biological applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 537-544.	2.9	42

#	ARTICLE	IF	CITATIONS
129	Mobile Magnetic Nanocatalysts for Bioorthogonal Targeted Cancer Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1705920.	7.8	92
130	PL ₁₈ O ₄₉ â€”TPZ Nanoparticles for Simultaneous Hypoxia-Activated Chemotherapy and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3405-3413.	4.0	75
131	Targeted Imaging of Brain Tumors with a Framework Nucleic Acid Probe. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3414-3420.	4.0	77
132	Framework-Nucleic-Acid-Enabled Biosensor Development. <i>ACS Sensors</i> , 2018, 3, 903-919.	4.0	106
133	DNA nanostructure-directed assembly of metal nanoparticle superlattices. <i>Journal of Nanoparticle Research</i> , 2018, 20, 119.	0.8	49
134	A DNA-Based Nanocarrier for Efficient Gene Delivery and Combined Cancer Therapy. <i>Nano Letters</i> , 2018, 18, 3328-3334.	4.5	216
135	DNA decorated Cu ₉ S ₅ nanoparticles as NIR light responsive drug carriers for tumor chemoâ€”phototherapy. <i>Dalton Transactions</i> , 2018, 47, 7916-7924.	1.6	13
136	Intracellular Trafficking and Endosomal Release of Oligonucleotides: What We Know and What We Donâ€™t. <i>Nucleic Acid Therapeutics</i> , 2018, 28, 166-177.	2.0	94
137	Computational approaches to cellâ€”nanomaterial interactions: keeping balance between therapeutic efficiency and cytotoxicity. <i>Nanoscale Horizons</i> , 2018, 3, 6-27.	4.1	44
138	The Role of Nanomechanics in Healthcare. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700793.	3.9	13
139	Enhancing the Stability and Immunomodulatory Activity of Liposomal Spherical Nucleic Acids through Lipidâ€”Tail DNA Modifications. <i>Small</i> , 2018, 14, 1702909.	5.2	57
140	DNAâ€”Au Nanomachine Equipped with iâ€”Motif and Gâ€”Quadruplex for Triple Combinatorial Antiâ€”Tumor Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1705416.	7.8	87
141	DNA mediated self-assembly of multicellular microtissues. <i>Microphysiological Systems</i> , 0, 1, 1-1.	2.0	21
142	DNA Origami as Seeds for Promoting Protein Crystallization. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44240-44246.	4.0	23
143	DNA Nanostructure-Programmed Like-Charge Attraction at the Cell-Membrane Interface. <i>ACS Central Science</i> , 2018, 4, 1344-1351.	5.3	163
144	â€”Trojan Horseâ€”DNA Nanostructure for Personalized Theranostics: Can It Knock on the Door of Preclinical Practice?. <i>Langmuir</i> , 2018, 34, 15028-15044.	1.6	8
145	DNA Octahedron-Based Fluorescence Nanoprobe for Dual Tumor-Related mRNAs Detection and Imaging. <i>Analytical Chemistry</i> , 2018, 90, 12059-12066.	3.2	72
146	A multifunctional DNA nano-scorpion for highly efficient targeted delivery of mRNA therapeutics. <i>Scientific Reports</i> , 2018, 8, 10196.	1.6	13

#	ARTICLE	IF	CITATIONS
147	Selection of Aptamers for Hydrophobic Drug Docetaxel To Improve Its Solubility. ACS Applied Bio Materials, 2018, 1, 168-174.	2.3	4
148	Functionalâ€DNAâ€Driven Dynamic Nanoconstructs for Biomolecule Capture and Drug Delivery. Advanced Materials, 2018, 30, e1707351.	11.1	47
149	Multiplex microRNA imaging in living cells using DNA-capped-Au assembled hydrogels. Chemical Science, 2018, 9, 7419-7425.	3.7	85
150	Synthesis and characterization of doxorubicin hydrochloride drug molecule-intercalated DNA nanostructures. Current Applied Physics, 2018, 18, 1294-1299.	1.1	4
151	Multifunctional bacterial imaging and therapy systems. Journal of Materials Chemistry B, 2018, 6, 5198-5214.	2.9	34
152	DNA in Nanotechnology. , 2018, , 79-102.		2
153	A cell-permeable green fluorescent probe for dsDNA. Science China Chemistry, 2018, 61, 468-475.	4.2	3
154	Evaluation of aluminum phthalocyanine chloride and DNA interactions for the design of an advanced drug delivery system in photodynamic therapy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 201, 242-248.	2.0	32
155	Target induced reconstruction of DNAzymatic amplifier nanomachines in living cells for concurrent imaging and gene silencing. Chemical Communications, 2018, 54, 10626-10629.	2.2	23
156	Bioinspired and biomimetic systems for advanced drug and gene delivery. Journal of Controlled Release, 2018, 287, 142-155.	4.8	92
157	Capturing intracellular oncogenic microRNAs with self-assembled DNA nanostructures for microRNA-based cancer therapy. Chemical Science, 2018, 9, 7562-7568.	3.7	48
158	Self-assembling biomaterials for theranostic applications. , 2018, , 533-561.		3
159	DNA aptamer-based molecular nanoconstructions and nanodevices for diagnostics and therapy. , 2018, , 249-290.		2
160	Hierarchical Nanotube Selfâ€Assembly of DNA Minor Grooveâ€Binding Ligand DB921 via Alkali Halide Triggering. Macromolecular Symposia, 2019, 386, 1800243.	0.4	0
161	Development of a Nanostructured RNA/DNA Assembly as an Adjuvant Targeting Toll-Like Receptor 7/8. Nucleic Acid Therapeutics, 2019, 29, 335-342.	2.0	5
162	Fluorometric determination of microRNA by using an entropy-driven three-dimensional DNA walking machine based on a catalytic hairpin assembly reaction on polystyrene microspheres. Mikrochimica Acta, 2019, 186, 574.	2.5	16
163	Nanomedicineâ€Based Immunotherapy for the Treatment of Cancer Metastasis. Advanced Materials, 2019, 31, e1904156.	11.1	120
164	pH-Responsive and Gemcitabine-Containing DNA Nanogel To Facilitate the Chemodrug Delivery. ACS Applied Materials & Interfaces, 2019, 11, 41082-41090.	4.0	41

#	ARTICLE	IF	CITATIONS
165	A non-cationic nucleic acid nanogel for the delivery of the CRISPR/Cas9 gene editing tool. <i>Nanoscale</i> , 2019, 11, 17211-17215.	2.8	64
166	Nucleic acids presenting polymer nanomaterials as vaccine adjuvants. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6321-6346.	2.9	26
167	DNA origami-based aptasensors. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111662.	5.3	26
168	Nanoparticles' interactions with vasculature in diseases. <i>Chemical Society Reviews</i> , 2019, 48, 5381-5407.	18.7	231
169	Rationally Engineered Nucleic Acid Architectures for Biosensing Applications. <i>Chemical Reviews</i> , 2019, 119, 11631-11717.	23.0	207
170	pH-Controlled Intracellular in Situ Reversible Assembly of a Photothermal Agent for Smart Chemo-Photothermal Synergetic Therapy and ATP Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39624-39632.	4.0	41
171	Multivalent aptamer-modified tetrahedral DNA nanocage demonstrates high selectivity and safety for anti-tumor therapy. <i>Nanoscale</i> , 2019, 11, 339-347.	2.8	54
172	DNA- <i>affibody</i> nanoparticle delivery system for cisplatin-based breast cancer chemotherapy. <i>RSC Advances</i> , 2019, 9, 1982-1989.	1.7	13
173	Rapid Transmembrane Transport of DNA Nanostructures by Chemically Anchoring Artificial Receptors on Cell Membranes. <i>ChemPlusChem</i> , 2019, 84, 323-327.	1.3	3
174	Antimicrobial Gold Nanoclusters: Recent Developments and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2924.	1.8	110
175	Mitophagy and Oxidative Stress in Cancer and Aging: Focus on Sirtuins and Nanomaterials. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-19.	1.9	32
176	Drug Release Kinetics of Electrospun PHB Meshes. <i>Materials</i> , 2019, 12, 1924.	1.3	22
177	Triplex DNA Nanoswitch for pH-Sensitive Release of Multiple Cancer Drugs. <i>ACS Nano</i> , 2019, 13, 7333-7344.	7.3	89
178	DNA Origami Words and Rewriting Systems. <i>Lecture Notes in Computer Science</i> , 2019, , 94-107.	1.0	1
179	An Intelligent DNA Nanorobot with <i>in Vitro</i> Enhanced Protein Lysosomal Degradation of HER2. <i>Nano Letters</i> , 2019, 19, 4505-4517.	4.5	153
180	Citrate-assisted efficient local delivery of naked oligonucleotide into live mouse brain cells. <i>Cell Proliferation</i> , 2019, 52, e12622.	2.4	3
181	DNA nanostructures in vitro, in vivo and on membranes. <i>Nano Today</i> , 2019, 26, 98-107.	6.2	35
182	The potentials of umbilical cord-derived mesenchymal stem cells in the treatment of multiple sclerosis. <i>Reviews in the Neurosciences</i> , 2019, 30, 857-868.	1.4	7

#	ARTICLE	IF	CITATIONS
183	DNA supersandwich assemblies as artificial receptors to mediate intracellular delivery of catalase for efficient ROS scavenging. <i>Chemical Communications</i> , 2019, 55, 4242-4245.	2.2	8
184	DNA nanostructures coordinate gene silencing in mature plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7543-7548.	3.3	191
185	Framework nucleic acids as programmable carrier for transdermal drug delivery. <i>Nature Communications</i> , 2019, 10, 1147.	5.8	178
186	DNA Logic Operations in Living Cells Utilizing Lysosome-Recognizing Framework Nucleic Acid Nanodevices for Subcellular Imaging. <i>ACS Nano</i> , 2019, 13, 5778-5784.	7.3	108
187	Cholesterol Anchors Enable Efficient Binding and Intracellular Uptake of DNA Nanostructures. <i>Bioconjugate Chemistry</i> , 2019, 30, 1836-1844.	1.8	25
188	Programming chain-growth copolymerization of DNA hairpin tiles for in-vitro hierarchical supramolecular organization. <i>Nature Communications</i> , 2019, 10, 1006.	5.8	26
189	DNA origami directed 3D nanoparticle superlattice <i>via</i> electrostatic assembly. <i>Nanoscale</i> , 2019, 11, 4546-4551.	2.8	42
190	Rationally designed DNA-based nanocarriers. <i>Advanced Drug Delivery Reviews</i> , 2019, 147, 2-21.	6.6	77
191	Progress in DNA Tetrahedral Nanomaterials and Their Functionalization Research. <i>Chinese Journal of Analytical Chemistry</i> , 2019, 47, 1742-1750.	0.9	7
192	An Effective Multi-Stage Liposomal DNA Origami Nanosystem for In Vivo Cancer Therapy. <i>Cancers</i> , 2019, 11, 1997.	1.7	35
193	Programming Drug Delivery Kinetics for Active Burst Release with DNA Toehold Switches. <i>Journal of the American Chemical Society</i> , 2019, 141, 20354-20364.	6.6	68
194	Y-Shaped Backbone-Rigidified Triangular DNA Scaffold-Directed Stepwise Movement of a DNzyme Walker for Sensitive MicroRNA Imaging within Living Cells. <i>Analytical Chemistry</i> , 2019, 91, 15678-15685.	3.2	59
195	Multiscale Modeling and Simulation of Nano-carriers Delivery through Biological Barriers—A Review. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800105.	1.3	34
196	Recent Advances in Anti-cancer Protein/Peptide Delivery. <i>Bioconjugate Chemistry</i> , 2019, 30, 305-324.	1.8	113
197	Neurotoxicity concern about the brain targeting delivery systems. , 2019, , 377-408.		8
198	Cancer-targeting Nanoparticles for Combinatorial Nucleic Acid Delivery. <i>Advanced Materials</i> , 2020, 32, e1901081.	11.1	146
199	Design strategies for programmable oligonucleotide nanotherapeutics. <i>Drug Discovery Today</i> , 2020, 25, 73-88.	3.2	7
200	Fabrication of Single-nanocrystal Arrays. <i>Advanced Materials</i> , 2020, 32, e1904551.	11.1	51

#	ARTICLE	IF	CITATIONS
201	Accurate cancer cell identification and microRNA silencing induced therapy using tailored DNA tetrahedron nanostructures. <i>Chemical Science</i> , 2020, 11, 80-86.	3.7	90
202	DNA Framework-Encoded Mineralization of Calcium Phosphate. <i>CheM</i> , 2020, 6, 472-485.	5.8	61
203	Precision-Guided Missile-Like DNA Nanostructure Containing Warhead and Guidance Control for Aptamer-Based Targeted Drug Delivery into Cancer Cells in Vitro and in Vivo. <i>Journal of the American Chemical Society</i> , 2020, 142, 1265-1277.	6.6	131
204	One-pot synthesis of Ln ³⁺ -doped porous BiF ₃ @PAA nanospheres for temperature sensing and pH-responsive drug delivery guided by CT imaging. <i>Nanoscale</i> , 2020, 12, 695-702.	2.8	28
205	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
206	Programmable Assembly of DNA-protein Hybrid Structures. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 211-218.	1.3	4
207	Size-Independent Transmembrane Transporting of Single Tetrahedral DNA Nanostructures. <i>Global Challenges</i> , 2020, 4, 1900075.	1.8	17
208	Hydrophobically assembled nanoparticles. , 2020, , 325-347.		1
209	Fe-MOFs as signal probes coupling with DNA tetrahedral nanostructures for construction of ratiometric electrochemical aptasensor. <i>Analytica Chimica Acta</i> , 2020, 1135, 123-131.	2.6	34
210	Progress in Biomedical Applications of Tetrahedral Framework Nucleic Acid-Based Functional Systems. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47115-47126.	4.0	33
211	Design, fabrication and applications of tetrahedral DNA nanostructure-based multifunctional complexes in drug delivery and biomedical treatment. <i>Nature Protocols</i> , 2020, 15, 2728-2757.	5.5	211
212	Cyclodextrin-mediated formation of porous RNA nanospheres and their application in synergistic targeted therapeutics of hepatocellular carcinoma. <i>Biomaterials</i> , 2020, 261, 120304.	5.7	24
213	Surfactants: Recent advances and their applications. <i>Composites Communications</i> , 2020, 22, 100537.	3.3	94
214	ATP-Responsive and ATP-Fueled Self-Assembling Systems and Materials. <i>Advanced Materials</i> , 2020, 32, e2002629.	11.1	87
215	DNA Nanostructures as Pt(IV) Prodrug Delivery Systems to Combat Chemoresistance. <i>Small</i> , 2020, 16, e2003646.	5.2	25
216	Engineering DNA nanostructures for siRNA delivery in plants. <i>Nature Protocols</i> , 2020, 15, 3064-3087.	5.5	30
217	Extracellular vesicles engineered with valency-controlled DNA nanostructures deliver CRISPR/Cas9 system for gene therapy. <i>Nucleic Acids Research</i> , 2020, 48, 8870-8882.	6.5	101
218	Tetrahedral framework nucleic acids as an advanced drug delivery system for oligonucleotide drugs. <i>APL Materials</i> , 2020, 8, .	2.2	2

#	ARTICLE	IF	CITATIONS
219	DNA flowerstructure co-localizes with human pathogens in infected macrophages. <i>Nucleic Acids Research</i> , 2020, 48, 6081-6091.	6.5	5
220	Application of Nanomaterials in Stem Cells, Tissue Engineering and Regenerative Medicine. , 2020, , 65-81.		0
221	Self-Therapeutic Nanomaterials for Cancer Therapy: A Review. <i>ACS Applied Nano Materials</i> , 2020, 3, 4962-4971.	2.4	39
222	Development of a fluorescent DNA nanomachine for ultrasensitive detection of <i>Salmonella enteritidis</i> without labeling and enzymes. <i>Mikrochimica Acta</i> , 2020, 187, 376.	2.5	11
223	Self-assembling smart materials for biomaterials applications. , 2020, , 121-147.		2
224	Self-Assembled DNA Nanostructures-Based Nanocarriers Enabled Functional Nucleic Acids Delivery. <i>ACS Applied Bio Materials</i> , 2020, 3, 2779-2795.	2.3	21
225	Design strategy of optical probes for tumor hypoxia imaging. <i>Science China Life Sciences</i> , 2020, 63, 1786-1797.	2.3	9
226	Tailoring DNA Self-assembly to Build Hydrogels. <i>Topics in Current Chemistry</i> , 2020, 378, 32.	3.0	25
227	Nanosensor networks for smart health care. , 2020, , 387-403.		11
228	DNA origami protection and molecular interfacing through engineered sequence-defined peptoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6339-6348.	3.3	99
229	A DNA tetrahedral structure-mediated ultrasensitive fluorescent microarray platform for nucleic acid test. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128538.	4.0	26
230	Periodically Ordered, Nuclease-Resistant DNA Nanowires Decorated with Cell-Specific Aptamers as Selective Theranostic Agents. <i>Angewandte Chemie</i> , 2020, 132, 17693-17700.	1.6	10
231	Periodically Ordered, Nuclease-Resistant DNA Nanowires Decorated with Cell-Specific Aptamers as Selective Theranostic Agents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17540-17547.	7.2	60
232	DNA nanostructure-based fluorescent probes for cellular sensing. <i>Analytical Methods</i> , 2020, 12, 1415-1429.	1.3	13
233	Facile Construction of i-Motif DNA-Conjugated Gold Nanostars as Near-Infrared and pH Dual-Responsive Targeted Drug Delivery Systems for Combined Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 1127-1138.	2.3	28
234	Dynamism of Supramolecular DNA/RNA Nanoarchitectonics: From Interlocked Structures to Molecular Machines. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 581-603.	2.0	75
235	Chemically modified nucleic acid biopolymers used in biosensing. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1315-1327.	3.2	12
236	Near-Atomic Fabrication with Nucleic Acids. <i>ACS Nano</i> , 2020, 14, 1319-1337.	7.3	22

#	ARTICLE	IF	CITATIONS
237	Tetrahedral Framework Nucleic Acids Deliver Antimicrobial Peptides with Improved Effects and Less Susceptibility to Bacterial Degradation. <i>Nano Letters</i> , 2020, 20, 3602-3610.	4.5	82
238	Understanding the fate of DNA nanostructures inside the cell. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6170-6178.	2.9	26
239	Rationally Designed Multivalent Aptamers Targeting Cell Surface for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9369-9389.	4.0	49
240	DNA hydrogel-based gene editing and drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021, 168, 79-98.	6.6	155
241	DNA Origami Templated Growth of Multilamellar Lipid Assemblies. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 827-833.	7.2	29
242	The applications of functionalized DNA nanostructures in bioimaging and cancer therapy. <i>Biomaterials</i> , 2021, 268, 120560.	5.7	31
243	Review on recent origami inspired antennas from microwave to terahertz regime. <i>Materials and Design</i> , 2021, 198, 109345.	3.3	35
244	Designer DNA nanostructures for therapeutics. <i>Chem</i> , 2021, 7, 1156-1179.	5.8	91
245	DNA origami words, graphical structures and their rewriting systems. <i>Natural Computing</i> , 2021, 20, 217-231.	1.8	1
246	Supramolecular cancer nanotheranostics. <i>Chemical Society Reviews</i> , 2021, 50, 2839-2891.	18.7	257
247	Expressional correlation of Toll-like Receptor 9 (TLR9) with angiogenic factors and anti-apoptotic markers in cervical cancer cells. <i>AIMS Medical Science</i> , 2021, 8, 11-22.	0.2	2
248	Nanosurface energy transfer indicating Exo III-propelled stochastic 3D DNA walkers for HIV DNA detection. <i>Analyst</i> , 2021, 146, 1675-1681.	1.7	9
249	Importance and prospects of bioinspired and biomimetic materials for drug delivery. , 2021, , 1-14.		1
250	The effect of chitosan addition on cellular uptake and cytotoxicity of ursolic acid niosomes. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20201850.	0.3	2
251	Stimuli-responsive metal-organic framework nanoparticles for controlled drug delivery and medical applications. <i>Chemical Society Reviews</i> , 2021, 50, 4541-4563.	18.7	156
252	Out-of-the-Box Nanocapsules Packed with On-Demand Hydrophobic Anticancer Drugs for Lung Targeting, Esterase Triggering, and Synergy Therapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001803.	3.9	9
253	Nanomedicine for combinational anticancer drug therapeutics: Recent advances, challenges, and future perspectives. , 2021, , 3-16.		1
254	Synchronous conjugation of i-motif DNA and therapeutic siRNA on the vertexes of tetrahedral DNA nanocages for efficient gene silence. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3286-3296.	5.7	7

#	ARTICLE	IF	CITATIONS
255	Proteomic Exploration of Endocytosis of Framework Nucleic Acids. <i>Small</i> , 2021, 17, e2100837.	5.2	17
256	Novel electro self-assembled DNA nanospheres as a drug delivery system for atenolol. <i>Nanotechnology</i> , 2021, 32, 255602.	1.3	8
257	DNA-scaffolded Disulfide Redox Network for Programming Drug-Delivery Kinetics. <i>Chemistry - A European Journal</i> , 2021, 27, 8745-8752.	1.7	6
258	A Combinatorial Approach Based on Nucleic Acid Assembly and Electrostatic Compression for siRNA Delivery. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 906-913.	1.3	1
259	DNA Based and Stimuli-Responsive Smart Nanocarrier for Diagnosis and Treatment of Cancer: Applications and Challenges. <i>Cancers</i> , 2021, 13, 3396.	1.7	46
260	Controlled CRISPR-Cas9 Ribonucleoprotein Delivery for Sensitized Photothermal Therapy. <i>Small</i> , 2021, 17, e2101155.	5.2	41
261	Particle engineering principles and technologies for pharmaceutical biologics. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 140-167.	6.6	36
262	Skin cancer therapeutics: nano-drug delivery vectors—present and beyond. <i>Future Journal of Pharmaceutical Sciences</i> , 2021, 7, .	1.1	6
263	Programmable Site-Specific Functionalization of DNA Origami with Polynucleotide Brushes. <i>Angewandte Chemie</i> , 2021, 133, 23429-23435.	1.6	3
264	Programmable Site-Specific Functionalization of DNA Origami with Polynucleotide Brushes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23241-23247.	7.2	15
265	Tetrahedral Framework Nucleic Acid Delivered RNA Therapeutics Significantly Attenuate Pancreatic Cancer Progression via Inhibition of CTR1-Dependent Copper Absorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46334-46342.	4.0	7
266	Antimicrobial Peptides and Their Applications in Biomedical Sector. <i>Antibiotics</i> , 2021, 10, 1094.	1.5	17
267	Self-assembled DNA nanotrains for targeted delivery of mithramycin dimers coordinated by different metal ions: Effect of binding affinity on drug loading, release and cytotoxicity. <i>Journal of Molecular Liquids</i> , 2021, 339, 116722.	2.3	12
268	Hybridization chain reaction and its applications in biosensing. <i>Talanta</i> , 2021, 234, 122637.	2.9	48
269	Spherical nucleic acids-based cascade signal amplification for highly sensitive detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113465.	5.3	53
270	Anti-inflammatory activity of curcumin-loaded tetrahedral framework nucleic acids on acute gouty arthritis. <i>Bioactive Materials</i> , 2022, 8, 368-380.	8.6	142
272	Lightweight and Low-Cost Deployable Origami Antennas—A Review. <i>IEEE Access</i> , 2021, 9, 86429-86448.	2.6	14
273	Programmable, self-assembled DNA nanodevices for cellular programming and tissue engineering. <i>Nanoscale</i> , 2021, 13, 16834-16846.	2.8	14

#	ARTICLE	IF	CITATIONS
274	Construction of Geometric Structure by Oritatami System. Lecture Notes in Computer Science, 2018, , 173-188.	1.0	5
276	Stealth Engineering for In Vivo Drug Delivery Systems. Critical Reviews in Biomedical Engineering, 2015, 43, 347-369.	0.5	4
277	Aptamer-Based Targeted Drug Delivery Systems: Current Potential and Challenges. Current Medicinal Chemistry, 2020, 27, 2189-2219.	1.2	126
278	Natural-based Hydrogels: A Journey from Simple to Smart Networks for Medical Examination. Current Medicinal Chemistry, 2020, 27, 2704-2733.	1.2	13
279	Recent Developments of New DNA Origami Nanostructures for Drug Delivery. Current Pharmaceutical Design, 2015, 21, 3181-3190.	0.9	12
280	Nanomedicine by extended non-equilibrium thermodynamics: cell membrane diffusion and scaffold medication release. Mathematical Biosciences and Engineering, 2019, 16, 1949-1965.	1.0	2
281	The biological applications of DNA nanomaterials: current challenges and future directions. Signal Transduction and Targeted Therapy, 2021, 6, 351.	7.1	110
282	Quantification of Strand Accessibility in Biostable DNA Origami with Single-Staple Resolution. ACS Nano, 2021, 15, 17668-17677.	7.3	18
283	Prospective Cancer Therapies Using Stimuli-Responsive DNA Nanostructures. Macromolecular Bioscience, 2021, 21, e2100272.	2.1	15
284	Framework Nucleic Acids in Nuclear Medicine Imaging: shedding light on nano-bio interactions. Angewandte Chemie, 0, , .	1.6	2
285	Framework Nucleic Acids in Nuclear Medicine Imaging: Shedding Light on Nano-Bio Interactions. Angewandte Chemie - International Edition, 2022, 61, .	7.2	7
286	DNA-Origami-Templated Growth of Multilamellar Lipid Assemblies. Angewandte Chemie, 2021, 133, 840-846.	1.6	1
287	Biodegradable self-assembled nanocarriers as the drug delivery vehicles. , 2022, , 293-325.		1
288	Oligonucleotides Carrying Nucleoside Antimetabolites as Potential Prodrugs. Current Medicinal Chemistry, 2023, 30, 1304-1319.	1.2	3
290	Molecular beacon-based DNA tetrahedrons for APE 1 activity detection in living cells. Sensors and Actuators B: Chemical, 2022, 355, 131258.	4.0	5
291	Insights into nucleic acid-based self-assembling nanocarriers for targeted drug delivery and controlled drug release. Journal of Controlled Release, 2022, 341, 869-891.	4.8	20
292	Controlled Uptake of an Iridium Complex inside Engineered apo-Ferritin Nanocages: Study of Structure and Catalysis**. Angewandte Chemie, 0, , .	1.6	1
293	Aptamer-Enabled Nanomaterials for Therapeutics, Drug Targeting and Imaging. Cells, 2022, 11, 159.	1.8	30

#	ARTICLE	IF	CITATIONS
294	Controlled Uptake of an Iridium Complex inside Engineered apo-Ferritin Nanocages: Study of Structure and Catalysis**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
295	Loading of DOX into a tetrahedral DNA nanostructure: the corner does matter. <i>Nanoscale Advances</i> , 2022, 4, 754-760.	2.2	12
296	CRISPR-Cas9-mediated nuclear transport and genomic integration of nanostructured genes in human primary cells. <i>Nucleic Acids Research</i> , 2022, 50, 1256-1268.	6.5	39
297	Harnessing DNA for Immunotherapy: Cancer, Infectious Diseases, and Beyond. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
298	Cell-Based Chemical Safety Assessment and Therapeutic Discovery Using Array-Based Sensors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3672.	1.8	6
299	Smart Drug Delivery Systems Based on DNA Nanotechnology. <i>ChemPlusChem</i> , 2022, 87, e202100548.	1.3	19
300	DNA-Based Nanoarchitectures as Eminent Vehicles for Smart Drug Delivery Systems. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	32
301	Idarubicin/mithramycin-acridine orange combination drugs co-loaded by DNA nanostructures: Different effects of intercalation and groove binding on drug release and cytotoxicity. <i>Journal of Molecular Liquids</i> , 2022, 355, 118947.	2.3	7
302	Supramolecular organic nanotubes for drug delivery. <i>Materials Today Advances</i> , 2022, 14, 100239.	2.5	17
303	DNA Nanodevice-Based Drug Delivery Systems. <i>Biomolecules</i> , 2021, 11, 1855.	1.8	9
304	Investigation of properties of surface modes at the boundary of the DNA origami lattice. <i>Waves in Random and Complex Media</i> , 0, , 1-9.	1.6	0
306	Tailored protein-conjugated DNA nanoplatform for synergistic cancer therapy. <i>Journal of Controlled Release</i> , 2022, 346, 250-259.	4.8	8
307	Application of amino acid ionic liquids for increasing the stability of DNA in long term storage. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 4383-4397.	2.0	0
308	Biomaterials Technology for AgroFood Resilience. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
309	Design and application of DNA nanostructures for organelle-targeted delivery of anticancer drugs. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 707-723.	2.4	7
310	Lipid-Based Nanomaterials in Cancer Treatment and Diagnosis. , 2022, , 49-83.		0
311	Nanoswimmers Based on Capped Janus Nanospheres. <i>Materials</i> , 2022, 15, 4442.	1.3	0
312	Self-Assembly of a Multifunction DNA Tetrahedron for Effective Delivery of Aptamer PL1 and siRNA Potentiate Immune Checkpoint Therapy for Colorectal Cancer. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31634-31644.	4.0	23

#	ARTICLE	IF	CITATIONS
313	Assembly of Two-Dimensional DNA Arrays Could Influence the Formation of Their Component Tiles. <i>ChemBioChem</i> , 2022, 23, .	1.3	4
314	Chemical priming of natural killer cells with branched polyethylenimine for cancer immunotherapy. , 2022, 10, e004964.		7
315	Path planning of nanorobot: a review. <i>Microsystem Technologies</i> , 2022, 28, 2393-2401.	1.2	3
316	A novel method for detection of ochratoxin A in foods—Co-MOFs based dual signal ratiometric electrochemical aptamer sensor coupled with DNA walker. <i>Food Chemistry</i> , 2023, 403, 134316.	4.2	24
317	DNA nanodevices in nanomedicine and therapeutics. , 2022, , 275-287.		0
318	Preparation, applications, and challenges of functional DNA nanomaterials. <i>Nano Research</i> , 2023, 16, 3895-3912.	5.8	11
319	2D-CASP—A New Approach for 2D Structure Prediction Applied to Self-Assemblies of DNA Bases. <i>Advanced Theory and Simulations</i> , 2022, 5, .	1.3	2
320	Applications of Functional DNA Materials in Immunomodulatory Therapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 45079-45095.	4.0	9
321	Concepts and considerations for enhancing RNAi efficiency in phytopathogenic fungi for RNAi-based crop protection using nanocarrier-mediated dsRNA delivery systems. <i>Frontiers in Fungal Biology</i> , 0, 3, .	0.9	7
322	Use of Nanoparticles to Prevent Resistance to Antibiotics—Synthesis and Characterization of Gold Nanosystems Based on Tetracycline. <i>Pharmaceutics</i> , 2022, 14, 1941.	2.0	3
323	DNA Nanostructures in Pharmaceutical Applications. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
324	“Willow Branch” DNA Self-Assembly for Cancer Dual-Target and Proliferation Inhibition. <i>Langmuir</i> , 2022, 38, 11778-11786.	1.6	3
325	Metal-Organic Framework UiO-66-Mediated Dual-Signal Ratiometric Electrochemical Sensor for microRNA Detection with DNA Walker Amplification. <i>Langmuir</i> , 2022, 38, 11828-11836.	1.6	8
326	Endogenous Stimuli-Responsive Autonomous Separation of Dual-Targeting DNA Guided Missile from Nanospacecraft for Intelligent Targeted Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 45201-45216.	4.0	7
327	DNA-Based Molecular Machines. <i>Jacs Au</i> , 2022, 2, 2381-2399.	3.6	15
328	Nanodevices for deep cartilage penetration. <i>Acta Biomaterialia</i> , 2022, 154, 23-48.	4.1	9
329	Recent Advances in Detection for Breast-Cancer-Derived Exosomes. <i>Molecules</i> , 2022, 27, 6673.	1.7	4
330	Self-Assemblies of DNA-Amphiphiles Nanostructures for New Design Strategies of Varied Morphologies. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0

#	ARTICLE	IF	CITATIONS
331	Unraveling and Overcoming Platinum Drug-Resistant Cancer Tumors with DNA Nanostructures. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	17
332	Multifunctional PVCL nanogels enable magnetic resonance imaging and immunostimulated radiotherapy of orthotopic glioblastoma. <i>Chemical Engineering Journal</i> , 2023, 453, 139634.	6.6	3
333	Smart DNA nanogel coated polydopamine nanoparticle with high drug loading for chemo-photothermal therapy of cancer. <i>Biointerphases</i> , 2022, 17, .	0.6	4
334	Adhesive AuNP tape-mediated hierarchical assembly of multicenter DNA nanocomplexes for tumor cell nucleus-targeted staged drug delivery in vivo. <i>Nano Today</i> , 2022, 47, 101687.	6.2	7
335	Bioinspired and biomimetic conjugated drug delivery system(s): A biohybrid concept combining cell(s) and drug delivery carrier(s). , 2023, , 465-483.		0
336	DNA conformational equilibrium enables continuous changing of curvatures. <i>Nanoscale</i> , 2023, 15, 470-475.	2.8	3
337	Tetrahedral DNA Nanostructure with Interferon Stimulatory DNA Delivers Highly Potent Toxins and Activates the cGAS- ϵ STING Pathway for Robust Chemotherapy and Immunotherapy. <i>Advanced Materials</i> , 2023, 35, .	11.1	24
338	One-Pot Controllable Assembly of a Baicalin-Condensed Aptamer Nanodrug for Synergistic Anti-Obesity. <i>Small</i> , 2023, 19, .	5.2	0
339	Engineering of Interfaces with Tetrahedra DNA Nanostructures for Biosensing Applications. <i>Analysis & Sensing</i> , 0, , .	1.1	0
340	Development of Efficient Strategies for Physical Stimuli-Responsive Programmable Nanotherapeutics. , 2023, , 201-228.		0
342	Gold Nanosystems Covered with Doxorubicin/DNA Complexes: A Therapeutic Target for Prostate and Liver Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 15575.	1.8	4
343	Recent Advances in DNA Nanostructures Applied in Sensing Interfaces and Cellular Imaging. <i>Analytical Chemistry</i> , 2023, 95, 407-419.	3.2	7
344	Nanoparticles: Taking a Unique Position in Medicine. <i>Nanomaterials</i> , 2023, 13, 574.	1.9	65
345	Binding of combined irinotecan and epicatechin to a pH-responsive DNA tetrahedron for controlled release and enhanced cytotoxicity. <i>Journal of Molecular Structure</i> , 2023, 1283, 135323.	1.8	3
346	Recent applications of rolling circle amplification in biosensors and DNA nanotechnology. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 160, 116953.	5.8	33
347	Viral vectors and extracellular vesicles: innate delivery systems utilized in CRISPR/Cas-mediated cancer therapy. <i>Cancer Gene Therapy</i> , 2023, 30, 936-954.	2.2	15
348	DNA-Based Nanomaterials as Drug Delivery Platforms for Increasing the Effect of Drugs in Tumors. <i>Cancers</i> , 2023, 15, 2151.	1.7	4
349	Unravelling the Drug Encapsulation Ability of Functional DNA Origami Nanostructures: Current Understanding and Future Prospects on Targeted Drug Delivery. <i>Polymers</i> , 2023, 15, 1850.	2.0	0

#	ARTICLE	IF	CITATIONS
350	Nanotechnology Lighting the Way for Gene Therapy in Ophthalmopathy: From Opportunities toward Applications. <i>Molecules</i> , 2023, 28, 3500.	1.7	1
351	Fabricating higher-order functional DNA origami structures to reveal biological processes at multiple scales. <i>NPG Asia Materials</i> , 2023, 15, .	3.8	5
352	Construction and application of bionanomaterials. , 2023, , 567-594.		1
356	The Three Laws of Nano-Robotics. <i>ACS Sensors</i> , 2023, 8, 1868-1870.	4.0	1
360	DNA as highly biocompatible carriers for drug delivery. <i>Materials Chemistry Frontiers</i> , 2023, 7, 6345-6365.	3.2	1
365	Creating Artificial Viruses Using Self-assembled Proteins and Polypeptides. <i>Springer Series in Biophysics</i> , 2023, , 95-118.	0.4	0
368	Pursuing excitonic energy transfer with programmable DNA-based optical breadboards. <i>Chemical Society Reviews</i> , 2023, 52, 7848-7948.	18.7	5