Chad A Mirkin

List of Publications by Year
in descending order

933 papers	143,303 citations	112 168 h-index	119 352 g-index
1024 all docs	1024 docs citations	1024 times ranked	85062 citing authors

#	Article	IF	Citations
1	Controlled Glioma Cell Migration and Confinement Using Biomimeticâ€Patterned Hydrogels. Advanced NanoBiomed Research, 2022, 2, 2100131.	1.7	2
2	Nanoreactors for particle synthesis. Nature Reviews Materials, 2022, 7, 428-448.	23.3	44
3	Protein transfection via spherical nucleic acids. Nature Protocols, 2022, 17, 327-357.	5.5	17
4	Programming â€œAtomic Substitutionâ€•in Alloy Colloidal Crystals Using DNA. Nano Letters, 2022, 22, 280-285.	4.5	3
5	The emergence of valency in colloidal crystals through electron equivalents. Nature Materials, 2022, 21, 580-587.	13.3	37
6	Programmable Matter: The Nanoparticle Atom and DNA Bond. Advanced Materials, 2022, 34, e2107875.	11.1	30
7	Photopolymerized Features via Beam Pen Lithography as a Novel Tool for the Generation of Large Area Protein Micropatterns. Small, 2022, 18, e2105998.	5.2	4
8	Hairpin-like siRNA-Based Spherical Nucleic Acids. Journal of the American Chemical Society, 2022, 144, 3174-3181.	6.6	25
9	Confined Growth of DNA-Assembled Superlattice Films. ACS Nano, 2022, 16, 4813-4822.	7.3	4
10	Spherical nucleic acids as an infectious disease vaccine platform. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119093119.	3.3	20
11	Regioselective Deposition of Metals on Seeds within a Polymer Matrix. Journal of the American Chemical Society, 2022, 144, 4792-4798.	6.6	11
12	Polymer-Mediated Particle Coarsening within Hollow Silica Shell Nanoreactors. Chemistry of Materials, 2022, 34, 5094-5102.	3.2	2
13	Rational Vaccinology: Harnessing Nanoscale Chemical Design for Cancer Immunotherapy. ACS Central Science, 2022, 8, 692-704.	5.3	9
14	Tumor-Associated Enzyme-Activatable Spherical Nucleic Acids. ACS Nano, 2022, 16, 10931-10942.	7.3	9
15	Probing the Consequences of Cubic Particle Shape and Applied Field on Colloidal Crystal Engineering with DNA. Angewandte Chemie - International Edition, 2021, 60, 4065-4069.	7.2	5
16	Corner-, edge-, and facet-controlled growth of nanocrystals. Science Advances, 2021, 7, .	4.7	66
17	Twin Pathways: Discerning the Origins of Multiply Twinned Colloidal Nanoparticles. Angewandte Chemie, 2021, 133, 6934-6939.	1.6	5
18	Twin Pathways: Discerning the Origins of Multiply Twinned Colloidal Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 6858-6863.	7.2	19

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19	Multi-State Dynamic Coordination Complexes Interconverted through Counterion-Controlled Phase Transfer. Inorganic Chemistry, 2021, 60, 4755-4763.	1.9	3
20	Impact of Liposomal Spherical Nucleic Acid Structure on Immunotherapeutic Function. ACS Central Science, 2021, 7, 892-899.	5.3	32
21	Programming Fluorogenic DNA Probes for Rapid Detection of Steroids. Angewandte Chemie, 2021, 133, 15388-15393.	1.6	2
22	Multimetallic Nanoparticles on Mirrors for SERS Detection. Journal of Physical Chemistry C, 2021, 125, 12784-12791.	1.5	6
23	Programming Fluorogenic DNA Probes for Rapid Detection of Steroids. Angewandte Chemie - International Edition, 2021, 60, 15260-15265.	7.2	18
24	Crystal structure engineering in multimetallic high-index facet nanocatalysts. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	23
25	Electrochemical Polymer Pen Lithography. Small, 2021, 17, e2100662.	5.2	6
26	Epidermal SR-A Complexes Are Lipid Raft Based and Promote Nucleic Acid Nanoparticle Uptake. Journal of Investigative Dermatology, 2021, 141, 1428-1437.e8.	0.3	6
27	Redefining Protein Interfaces within Protein Single Crystals with DNA. Journal of the American Chemical Society, 2021, 143, 8925-8934.	6.6	16
28	Lowâ€Density 2D Superlattices Assembled via Directional DNA Bonding. Angewandte Chemie - International Edition, 2021, 60, 19035-19040.	7.2	4
29	Lipid Nanoparticle Spherical Nucleic Acids for Intracellular DNA and RNA Delivery. Nano Letters, 2021, 21, 6584-6591.	4.5	50
30	Lowâ€Density 2D Superlattices Assembled via Directional DNA Bonding. Angewandte Chemie, 2021, 133, 19183-19188.	1.6	0
31	Synergistic Immunostimulation through the Dual Activation of Toll-like Receptor 3/9 with Spherical Nucleic Acids. ACS Nano, 2021, 15, 13329-13338.	7.3	17
32	Galvanic Transformation Dynamics in Heterostructured Nanoparticles. Advanced Functional Materials, 2021, 31, 2105866.	7.8	7
33	DNA Dendrons as Agents for Intracellular Delivery. Journal of the American Chemical Society, 2021, 143, 13513-13518.	6.6	27
34	Spherical Nucleic Acids: Integrating Nanotechnology Concepts into General Chemistry Curricula. Journal of Chemical Education, 2021, 98, 3090-3099.	1.1	3
35	Spherical Nucleic Acid Vaccine Structure Markedly Influences Adaptive Immune Responses of Clinically Utilized Prostate Cancer Targets. Advanced Healthcare Materials, 2021, 10, e2101262.	3.9	16
36	Controlling the Biological Fate of Liposomal Spherical Nucleic Acids Using Tunable Polyethylene Glycol Shells. ACS Applied Materials & Interfaces, 2021, 13, 46325-46333.	4.0	3

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37	Encoding hierarchical assembly pathways of proteins with DNA. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
38	Electron-Equivalent Valency through Molecularly Well-Defined Multivalent DNA. Journal of the American Chemical Society, 2021, 143, 1752-1757.	6.6	13
39	Probing the Consequences of Cubic Particle Shape and Applied Field on Colloidal Crystal Engineering with DNA. Angewandte Chemie, 2021, 133, 4111-4115.	1.6	3
40	Nanoparticle Superlattices through Template-Encoded DNA Dendrimers. Journal of the American Chemical Society, 2021, 143, 17170-17179.	6.6	12
41	Chemically Tuning the Antigen Release Kinetics from Spherical Nucleic Acids Maximizes Immune Stimulation. ACS Central Science, 2021, 7, 1838-1846.	5.3	13
42	A General DNA-Gated Hydrogel Strategy for Selective Transport of Chemical and Biological Cargos. Journal of the American Chemical Society, 2021, 143, 17200-17208.	6.6	20
43	Large-Area, Highly Crystalline DNA-Assembled Metasurfaces Exhibiting Widely Tunable Epsilon-Near-Zero Behavior. ACS Nano, 2021, 15, 18289-18296.	7.3	5
44	Site-Isolated Upconversion Nanoparticle Arrays Synthesized in Polyol Nanoreactors. Journal of Physical Chemistry C, 2021, 125, 26125-26131.	1.5	3
45	Machine learningâ€"accelerated design and synthesis of polyelemental heterostructures. Science Advances, 2021, 7, eabj5505.	4.7	53
46	Nucleicâ€Acid Structures as Intracellular Probes for Live Cells. Advanced Materials, 2020, 32, e1901743.	11.1	112
47	Sequence Multiplicity within Spherical Nucleic Acids. ACS Nano, 2020, 14, 1084-1092.	7.3	16
48	DNAâ€•and Fieldâ€Mediated Assembly of Magnetic Nanoparticles into Highâ€Aspect Ratio Crystals. Advanced Materials, 2020, 32, e1906626.	11.1	25
49	The effector mechanism of siRNA spherical nucleic acids. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1312-1320.	3.3	34
50	Synthesis of Metal-Capped Semiconductor Nanowires from Heterodimer Nanoparticle Catalysts. Journal of the American Chemical Society, 2020, 142, 18324-18329.	6.6	13
51	Positionâ€•and Orientationâ€Controlled Growth of Wulffâ€Shaped Colloidal Crystals Engineered with DNA. Advanced Materials, 2020, 32, e2005316.	11.1	12
52	Mie-Resonant Three-Dimensional Metacrystals. Nano Letters, 2020, 20, 8096-8101.	4.5	28
53	Tumor cell lysate-loaded immunostimulatory spherical nucleic acids as therapeutics for triple-negative breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17543-17550.	3.3	54
54	Attenuation of Abnormal Scarring Using Spherical Nucleic Acids Targeting Transforming Growth Factor Beta 1. ACS Applied Bio Materials, 2020, 3, 8603-8610.	2.3	4

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55	Protein Spherical Nucleic Acids for Live-Cell Chemical Analysis. Journal of the American Chemical Society, 2020, 142, 13350-13355.	6.6	58
56	Endosomal Organization of CpG Constructs Correlates with Enhanced Immune Activation. Nano Letters, 2020, 20, 6170-6175.	4.5	23
57	Device-quality, reconfigurable metamaterials from shape-directed nanocrystal assembly. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21052-21057.	3.3	26
58	Halide perovskite nanocrystal arrays: Multiplexed synthesis and size-dependent emission. Science Advances, 2020, 6, .	4.7	51
59	Microscopy-Based Approaches to Characterizing Analogs of Classical Electrons in Colloidal Crystals Engineered with DNA. Microscopy and Microanalysis, 2020, 26, 2016-2019.	0.2	0
60	Dual-Readout Sandwich Immunoassay for Device-Free and Highly Sensitive Anthrax Biomarker Detection. Analytical Chemistry, 2020, 92, 7845-7851.	3.2	20
61	Colloidal crystal engineering with metalâ€"organic framework nanoparticles and DNA. Nature Communications, 2020, 11, 2495.	5.8	114
62	Highâ€Indexâ€Facet Metalâ€Alloy Nanoparticles as Fuel Cell Electrocatalysts. Advanced Materials, 2020, 32, e2002849.	11.1	51
63	DNA-Based Nanostructures for Live-Cell Analysis. Journal of the American Chemical Society, 2020, 142, 11343-11356.	6.6	147
64	Understanding Optomagnetic Interactions in Fe Nanowireâ€"Au Nanoring Hybrid Structures Synthesized through Coaxial Lithography. Chemistry of Materials, 2020, 32, 2843-2851.	3.2	2
65	Automated Synthesis and Purification of Guanidineâ€Backbone Oligonucleotides. Current Protocols in Nucleic Acid Chemistry, 2020, 81, e110.	0.5	2
66	Mapping the thermal entrenchment behavior of Pd nanoparticles on planar SiO2 supports. Nanoscale, 2020, 12, 14245-14258.	2.8	0
67	Development of Spherical Nucleic Acids for Prostate Cancer Immunotherapy. Frontiers in Immunology, 2020, 11, 1333.	2.2	19
68	Multimetallic High-Index Faceted Heterostructured Nanoparticles. Journal of the American Chemical Society, 2020, 142, 4570-4575.	6.6	46
69	Structure-Dependent Biodistribution of Liposomal Spherical Nucleic Acids. ACS Nano, 2020, 14, 1682-1693.	7.3	43
70	Lightâ€Responsive Colloidal Crystals Engineered with DNA. Advanced Materials, 2020, 32, e1906600.	11.1	40
71	Defining the Design Parameters for <i>in Vivo</i> Enzyme Delivery Through Protein Spherical Nucleic Acids. ACS Central Science, 2020, 6, 815-822.	5.3	28
72	Controlling the DNA Hybridization Chain Reaction. Journal of the American Chemical Society, 2020, 142, 8596-8601.	6.6	78

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73	DNA-Directed Protein Packing within Single Crystals. CheM, 2020, 6, 1007-1017.	5.8	17
74	Chain-End Functionalized Polymers for the Controlled Synthesis of Sub-2 nm Particles. Journal of the American Chemical Society, 2020, 142, 7350-7355.	6.6	17
75	A high-throughput SAMDI-mass spectrometry assay for isocitrate dehydrogenase 1. Analyst, The, 2020, 145, 3899-3908.	1.7	11
76	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. Chemical Reviews, 2020, 120, 6009-6047.	23.0	107
77	pH-Responsive Nanoparticle Superlattices with Tunable DNA Bonds*. , 2020, , 1117-1126.		0
78	Building Superlattices from Individual Nanoparticles via Template-Confined DNA-Mediated Assembly*. , 2020, , 1195-1208.		0
79	Controlling the Lattice Parameters of Gold Nanoparticle FCC Crystals with Duplex DNA Linkers*. , 2020, , 763-773.		0
80	DNA-Programmable Nanoparticle Crystallization*. , 2020, , 515-525.		0
81	Modeling the Crystallization of Spherical Nucleic Acid Nanoparticle Conjugates with Molecular Dynamics Simulations*. , 2020, , 555-569.		0
82	Thermodynamic Investigation into the Binding Properties of DNA Functionalized Gold Nanoparticle Probes and Molecular Fluorophore Probes*. , 2020, , 363-370.		0
83	Establishing the Design Rules for DNA-Mediated Programmable Colloidal Crystallization*. , 2020, , 527-537.		0
84	DNA-Nanoparticle Superlattices Formed from Anisotropic Building Blocks*. , 2020, , 601-613.		0
85	Building Superlattices from Individual Nanoparticles via Template-Confined DNA-Mediated Assembly*. , 2020, , 1195-1208.		0
86	DNA-Programmable Nanoparticle Crystallization*. , 2020, , 515-525.		0
87	Transitioning DNA-Engineered Nanoparticle Superlattices from Solution to the Solid State*. , 2020, , 1401-1414.		0
88	Spherical Nucleic Acids*. , 2020, , 91-136.		0
89	pH-Responsive Nanoparticle Superlattices with Tunable DNA Bonds*. , 2020, , 1117-1126.		0
90	Molecular Spherical Nucleic Acids*. , 2020, , 1669-1686.		0

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91	Nanoparticles with Raman Spectroscopic Fingerprints for DNA and RNA Detection*. , 2020, , 1467-1477.		0
92	Controlling Structure and Porosity in Catalytic Nanoparticle Superlattices with DNA*. , 2020, , 1415-1429.		0
93	Topotactic Interconversion of Nanoparticle Superlattices*. , 2020, , 1081-1092.		0
94	Modeling the Crystallization of Spherical Nucleic Acid Nanoparticle Conjugates with Molecular Dynamics Simulations*. , 2020, , 555-569.		0
95	Scanometric DNA Array Detection with Nanoparticle Probes*. , 2020, , 1445-1456.		0
96	Polyvalent DNA-Nanoparticle Conjugates Stabilize Nucleic Acids*. , 2020, , 425-435.		0
97	Strategy for Increasing Drug Solubility and Efficacy through Covalent Attachment to Polyvalent DNA-Nanoparticle Conjugates*. , 2020, , 451-473.		0
98	Growth Dynamics for DNA-Guided Nanoparticle Crystallization*. , 2020, , 989-1016.		0
99	What Controls the Melting Properties of DNA-Linked Gold Nanoparticle Assemblies?*. , 2020, , 325-361.		0
100	Design Rules for Template-Confined DNA-Mediated Nanoparticle Assembly*. , 2020, , 1209-1225.		0
101	Transmutable Nanoparticles with Reconfigurable Surface Ligands*. , 2020, , 1105-1116.		0
102	Controlling the Lattice Parameters of Gold Nanoparticle FCC Crystals with Duplex DNA Linkers*. , 2020, , 763-773.		0
103	Spherical Nucleic Acids*. , 2020, , 91-136.		612
104	The Structural Characterization of Oligonucleotide-Modified Gold Nanoparticle Networks Formed by DNA Hybridization*. , 2020, , 497-514.		0
105	Gene Regulation with Polyvalent siRNA-Nanoparticle Conjugates*. , 2020, , 1577-1584.		0
106	DNA-Nanoparticle Superlattices Formed from Anisotropic Building Blocks*. , 2020, , 601-613.		0
107	Dynamically Interchangeable Nanoparticle Superlattices through the Use of Nucleic Acid-Based Allosteric Effectors*. , 2020, , 1093-1103.		0
108	Topotactic Interconversion of Nanoparticle Superlattices*. , 2020, , 1081-1092.		0

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109	Importance of the DNA â€œBondâ€•in Programmable Nanoparticle Crystallization*. , 2020, , 775-794.		0
110	DNA-Mediated Engineering of Multicomponent Enzyme Crystals*. , 2020, , 683-701.		0
111	Transmutable Nanoparticles with Reconfigurable Surface Ligands*. , 2020, , 1105-1116.		0
112	What Controls the Optical Properties of DNA-Linked Gold Nanoparticle Assemblies?*. , 2020, , 293-324.		1
113	DNA-Nanoparticle Superlattices Formed from Anisotropic Building Blocks*. , 2020, , 601-613.		0
114	Molecular Spherical Nucleic Acids*. , 2020, , 1669-1686.		0
115	Nanoparticles with Raman Spectroscopic Fingerprints for DNA and RNA Detection*. , 2020, , 1467-1477.		0
116	General and Direct Method for Preparing Oligonucleotide-Functionalized Metal-Organic Framework Nanoparticles*. , 2020, , 671-682.		0
117	Gene Regulation with Polyvalent siRNA-Nanoparticle Conjugates*. , 2020, , 1577-1584.		0
118	Density-Gradient Control over Nanoparticle Supercrystal Formation*. , 2020, , 1033-1051.		0
119	Modeling the Crystallization of Spherical Nucleic Acid Nanoparticle Conjugates with Molecular Dynamics Simulations*. , 2020, , 555-569.		0
120	Strategy for Increasing Drug Solubility and Efficacy through Covalent Attachment to Polyvalent DNA-Nanoparticle Conjugates*. , 2020, , 451-473.		0
121	Establishing the Design Rules for DNA-Mediated Programmable Colloidal Crystallization*. , 2020, , 527-537.		0
122	DNA-Programmable Nanoparticle Crystallization*. , 2020, , 515-525.		1,006
123	Design Rules for Template-Confined DNA-Mediated Nanoparticle Assembly*. , 2020, , 1209-1225.		0
124	Scanometric DNA Array Detection with Nanoparticle Probes*. , 2020, , 1445-1456.		0
125	Molecular Spherical Nucleic Acids*. , 2020, , 1669-1686.		0
126	Transitioning DNA-Engineered Nanoparticle Superlattices from Solution to the Solid State*. , 2020, , 1401-1414.		0

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127	A General Approach to DNA-Programmable Atom Equivalents*. , 2020, , 587-600.		0
128	Building Superlattices from Individual Nanoparticles via Template-Confined DNA-Mediated Assembly*. , 2020, , 1195-1208.		0
129	Exploring the Zone of Anisotropy and Broken Symmetries in DNA-Mediated Nanoparticle Crystallization*. , 2020, , 643-657.		0
130	Controlled Symmetry Breaking in Colloidal Crystal Engineering with DNA. ACS Nano, 2019, 13, 1412-1420.	7.3	16
131	Forced Intercalation (FIT)-Aptamers. Journal of the American Chemical Society, 2019, 141, 13744-13748.	6.6	43
132	A Cross-Linking Approach to Stabilizing Stimuli-Responsive Colloidal Crystals Engineered with DNA. Journal of the American Chemical Society, 2019, 141, 11827-11831.	6.6	27
133	<i>In My Element</i>: Gold. Chemistry - A European Journal, 2019, 25, 7777-7778.	1.7	2
134	Massively Parallel Nanoparticle Synthesis in Anisotropic Nanoreactors. ACS Nano, 2019, 13, 12408-12414.	7.3	12
135	Rapid, large-volume, thermally controlled 3D printing using a mobile liquid interface. Science, 2019, 366, 360-364.	6.0	275
136	Conductive 2D metal-organic framework for high-performance cathodes in aqueous rechargeable zinc batteries. Nature Communications, 2019, 10, 4948.	5.8	398
137	Tunable Fluorescence from Dyeâ€Modified DNAâ€Assembled Plasmonic Nanocube Arrays. Advanced Materials, 2019, 31, e1904448.	11.1	24
138	Shape regulation of high-index facet nanoparticles by dealloying. Science, 2019, 365, 1159-1163.	6.0	108
139	Enzymatic Degradation of DNA Probed by <i>In Situ</i> X-ray Scattering. ACS Nano, 2019, 13, 11382-11391.	7.3	6
140	Impact of Sequence Specificity of Spherical Nucleic Acids on Macrophage Activation in Vitro and in Vivo. Molecular Pharmaceutics, 2019, 16, 4223-4229.	2.3	8
141	Subcellular Control over Focal Adhesion Anisotropy, Independent of Cell Morphology, Dictates Stem Cell Fate. ACS Nano, 2019, 13, 11144-11152.	7.3	46
142	DNA-Functionalized Metalâ€"Organic Framework Nanoparticles for Intracellular Delivery of Proteins. Journal of the American Chemical Society, 2019, 141, 2215-2219.	6.6	231
143	Particle analogs of electrons in colloidal crystals. Science, 2019, 364, 1174-1178.	6.0	91
144	Manipulating Immune Activation of Macrophages by Tuning the Oligonucleotide Composition of Gold Nanoparticles. Bioconjugate Chemistry, 2019, 30, 2032-2037.	1.8	36

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145	The role of trace Ag in the synthesis of Au nanorods. Nanoscale, 2019, 11, 11744-11754.	2.8	24
146	Protein Materials Engineering with DNA. Accounts of Chemical Research, 2019, 52, 1939-1948.	7.6	39
147	Rational vaccinology with spherical nucleic acids. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10473-10481.	3.3	82
148	Synthesis, Physicochemical, and Biological Evaluation of Spherical Nucleic Acids for RNAi-Based Therapy in Glioblastoma. Methods in Molecular Biology, 2019, 1974, 371-391.	0.4	8
149	Dual Toll-Like Receptor Targeting Liposomal Spherical Nucleic Acids. Bioconjugate Chemistry, 2019, 30, 944-951.	1.8	18
150	Interface and heterostructure design in polyelemental nanoparticles. Science, 2019, 363, 959-964.	6.0	171
151	A tri-layer approach to controlling nanopore formation in oxide supports. Nano Research, 2019, 12, 1223-1228.	5.8	3
152	Exploration of the nanomedicine-design space with high-throughput screening and machine learning. Nature Biomedical Engineering, 2019, 3, 318-327.	11.6	119
153	Crystal engineering with DNA. Nature Reviews Materials, 2019, 4, 201-224.	23.3	178
154	Mercury-Free Automated Synthesis of Guanidinium Backbone Oligonucleotides. Journal of the American Chemical Society, 2019, 141, 20171-20176.	6.6	14
155	Spherical Nucleic Acids with Tailored and Active Protein Coronae. ACS Central Science, 2019, 5, 1983-1990.	5.3	34
156	Multivalent Cation-Induced Actuation of DNA-Mediated Colloidal Superlattices. Journal of the American Chemical Society, 2019, 141, 19973-19977.	6.6	23
157	Colloidal Crystal â€œAlloysâ€. Journal of the American Chemical Society, 2019, 141, 20443-20450.	6.6	20
158	Nanocombinatorics with Cantilever-Free Scanning Probe Arrays. ACS Nano, 2019, 13, 8-17.	7.3	29
159	Catalyst discovery through megalibraries of nanomaterials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 40-45.	3.3	77
160	The Importance of Salt-Enhanced Electrostatic Repulsion in Colloidal Crystal Engineering with DNA. ACS Central Science, 2019, 5, 186-191.	5.3	24
161	Stabilization of Colloidal Crystals Engineered with DNA. Advanced Materials, 2019, 31, e1805480.	11.1	40
162	2018 Richards Medal Address: Rational Vaccinology: In Pursuit of the Perfect Vaccine. , 2019, 97, 2-7.		0

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163	PLGA Spherical Nucleic Acids. Advanced Materials, 2018, 30, e1707113.	11.1	72
164	pH-Responsive Nanoparticle Superlattices with Tunable DNA Bonds. Journal of the American Chemical Society, 2018, 140, 5061-5064.	6.6	56
165	Molecular spherical nucleic acids. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4340-4344.	3.3	130
166	Abnormal scar identification with spherical-nucleic-acid technology. Nature Biomedical Engineering, 2018, 2, 227-238.	11.6	67
167	Building superlattices from individual nanoparticles via template-confined DNA-mediated assembly. Science, 2018, 359, 669-672.	6.0	195
168	Conjugation Chemistry-Dependent T-Cell Activation with Spherical Nucleic Acids. Journal of the American Chemical Society, 2018, 140, 1227-1230.	6.6	54
169	Shape and Size Control of Substrate-Grown Gold Nanoparticles for Surface-Enhanced Raman Spectroscopy Detection of Chemical Analytes. Journal of Physical Chemistry C, 2018, 122, 2307-2314.	1.5	49
170	Lattice Mismatch in Crystalline Nanoparticle Thin Films. Nano Letters, 2018, 18, 579-585.	4.5	59
171	An Allosterically Regulated, Four-State Macrocycle. Inorganic Chemistry, 2018, 57, 3568-3578.	1.9	14
172	DNA-Mediated Size-Selective Nanoparticle Assembly for Multiplexed Surface Encoding. Nano Letters, 2018, 18, 2645-2649.	4.5	30
173	Catalyst design by scanning probe block copolymer lithography. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3764-3769.	3.3	40
174	Defining the Structure of a Proteinâ€“Spherical Nucleic Acid Conjugate and Its Counterionic Cloud. ACS Central Science, 2018, 4, 378-386.	5.3	27
175	Spherical Nucleic Acids: Adding a New Dimension to Nucleic Acids and Clinical Chemistry. Clinical Chemistry, 2018, 64, 971-972.	1.5	15
176	Enhancing the Stability and Immunomodulatory Activity of Liposomal Spherical Nucleic Acids through Lipidâ€Tail DNA Modifications. Small, 2018, 14, 1702909.	5.2	57
177	Direct Observation of Plasmon-Induced Interfacial Charge Separation in Metal/Semiconductor Hybrid Nanostructures by Measuring Surface Potentials. Nano Letters, 2018, 18, 109-116.	4.5	55
178	A four-state fluorescent molecular switch. Chemical Communications, 2018, 54, 12041-12044.	2.2	4
179	Non-equilibrium anisotropic colloidal single crystal growth with DNA. Nature Communications, 2018, 9, 4558.	5.8	37
180	Programming Protein Polymerization with DNA. Journal of the American Chemical Society, 2018, 140, 15950-15956.	6.6	32

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181	Design Rules for Templateâ€Confined DNAâ€Mediated Nanoparticle Assembly. Small, 2018, 14, e1802742.	5.2	13
182	A Redox-Switchable, Allosteric Coordination Complex. Journal of the American Chemical Society, 2018, 140, 14590-14594.	6.6	18
183	RNAâ€Based Immunostimulatory Liposomal Spherical Nucleic Acids as Potent TLR7/8 Modulators. Small, 2018, 14, e1803284.	5.2	57
184	DNA-Functionalized, Bivalent Proteins. Journal of the American Chemical Society, 2018, 140, 6776-6779.	6.6	47
185	Windowless Observation of Evaporation-Induced Coarsening of Auâ€"Pt Nanoparticles in Polymer Nanoreactors. Journal of the American Chemical Society, 2018, 140, 7213-7221.	6.6	10
186	The Role of Structural Enthalpy in Spherical Nucleic Acid Hybridization. Journal of the American Chemical Society, 2018, 140, 6226-6230.	6.6	36
187	Fast Charge Extraction in Perovskite-Based Coreâ€"Shell Nanowires. ACS Nano, 2018, 12, 7206-7212.	7.3	10
188	Design principles for photonic crystals based on plasmonic nanoparticle superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7242-7247.	3.3	57
189	Electrostatic Purification of Mixed-Phase Metalâ€"Organic Framework Nanoparticles. Chemistry of Materials, 2018, 30, 4877-4881.	3.2	10
190	DNA enters a new phase. Nature Nanotechnology, 2018, 13, 624-625.	15.6	4
191	DNA-Encoded Protein Janus Nanoparticles. Journal of the American Chemical Society, 2018, 140, 9269-9274.	6.6	48
192	1063 Topically applied NanoFlares to measure gene expression in vivo: Proof-of-concept. Journal of Investigative Dermatology, 2018, 138, S180.	0.3	0
193	Density-Gradient Control over Nanoparticle Supercrystal Formation. Nano Letters, 2018, 18, 6022-6029.	4.5	12
194	Metalâ€"Organic Framework Nanoparticles. Advanced Materials, 2018, 30, e1800202.	11.1	539
195	Smaller CpG-Conjugated Gold Nanoconstructs Achieve Higher Targeting Specificity of Immune Activation. ACS Applied Materials & Interfaces, 2018, 10, 21920-21926.	4.0	54
196	Design principles for nanoparticle based photonic crystals. , 2018, , .		0
197	Profile of Jean-Pierre Sauvage, Sir J. Fraser Stoddart, and Bernard L. Feringa, 2016 Nobel Laureates in Chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 620-625.	3.3	12
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