Chad A Mirkin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

971 papers	124,635 citations	158 h-index	334 g-index
1,024 ext. papers	133,453 ext. citations	13.4 avg, IF	8.69 L-index

#	Paper	IF	Citations
971	The emergence of valency in colloidal crystals through electron equivalents.. *Nature Materials*, **2022** ,	27	10
970	Photopolymerized Features via Beam Pen Lithography as a Novel Tool for the Generation of Large Area Protein Micropatterns.. *Small*, **2022**, e2105998	11	2
969	Hairpin-like siRNA-Based Spherical Nucleic Acids.. *Journal of the American Chemical Society*, **2022**,	16.4	6
968	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	11.5	2
967	Programmable Matter: The Nanoparticle Atom and DNA Bond. *Advanced Materials*, **2021**, e2107875	24	7
966	Machine learning-accelerated design and synthesis of polyelemental heterostructures.. *Science Advances*, **2021**, 7, eabj5505	14.3	9
965	Site-Isolated Upconversion Nanoparticle Arrays Synthesized in Polyol Nanoreactors. *Journal of Physical Chemistry C*, **2021**, 125, 26125-26131	3.8	1
964	Nanoparticle Superlattices through Template-Encoded DNA Dendrimers. *Journal of the American Chemical Society*, **2021**, 143, 17170-17179	16.4	3
963	Chemically Tuning the Antigen Release Kinetics from Spherical Nucleic Acids Maximizes Immune Stimulation. *ACS Central Science*, **2021**, 7, 1838-1846	16.8	1
962	A General DNA-Gated Hydrogel Strategy for Selective Transport of Chemical and Biological Cargos. *Journal of the American Chemical Society*, **2021**, 143, 17200-17208	16.4	3
961	Multi-State Dynamic Coordination Complexes Interconverted through Counterion-Controlled Phase Transfer. *Inorganic Chemistry*, **2021**, 60, 4755-4763	5.1	
960	Impact of Liposomal Spherical Nucleic Acid Structure on Immunotherapeutic Function. *ACS Central Science*, **2021**, 7, 892-899	16.8	7
959	Programming Fluorogenic DNA Probes for Rapid Detection of Steroids. *Angewandte Chemie*, **2021**, 133, 15388-15393	3.6	0
958	Multimetallic Nanoparticles on Mirrors for SERS Detection. *Journal of Physical Chemistry C*, **2021**, 125, 12784-12791	3.8	1
957	Programming Fluorogenic DNA Probes for Rapid Detection of Steroids. *Angewandte Chemie - International Edition*, **2021**, 60, 15260-15265	16.4	5
956	Crystal structure engineering in multimetallic high-index facet nanocatalysts. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
955	Electrochemical Polymer Pen Lithography. *Small*, **2021**, 17, e2100662	11	3

954	Epidermal SR-A Complexes Are Lipid Raft Based and Promote Nucleic Acid Nanoparticle Uptake. *Journal of Investigative Dermatology*, **2021**, 141, 1428-1437.e8	4.3	3
953	Redefining Protein Interfaces within Protein Single Crystals with DNA. *Journal of the American Chemical Society*, **2021**, 143, 8925-8934	16.4	4
952	Low-Density 2D Superlattices Assembled via Directional DNA Bonding. *Angewandte Chemie - International Edition*, **2021**, 60, 19035-19040	16.4	2
951	Probing the Consequences of Cubic Particle Shape and Applied Field on Colloidal Crystal Engineering with DNA. *Angewandte Chemie - International Edition*, **2021**, 60, 4065-4069	16.4	3
950	Corner-, edge-, and facet-controlled growth of nanocrystals. *Science Advances*, **2021**, 7,	14.3	17
949	Twin Pathways: Discerning the Origins of Multiply Twinned Colloidal Nanoparticles. *Angewandte Chemie*, **2021**, 133, 6934-6939	3.6	0
948	Twin Pathways: Discerning the Origins of Multiply Twinned Colloidal Nanoparticles. *Angewandte Chemie - International Edition*, **2021**, 60, 6858-6863	16.4	6
947	Lipid Nanoparticle Spherical Nucleic Acids for Intracellular DNA and RNA Delivery. *Nano Letters*, **2021**, 21, 6584-6591	11.5	7
946	Low-Density 2D Superlattices Assembled via Directional DNA Bonding. *Angewandte Chemie*, **2021**, 133, 19183-19188	3.6	
945	Synergistic Immunostimulation through the Dual Activation of Toll-like Receptor 3/9 with Spherical Nucleic Acids. *ACS Nano*, **2021**,	16.7	1
944	DNA Dendrons as Agents for Intracellular Delivery. *Journal of the American Chemical Society*, **2021**, 143, 13513-13518	16.4	8
943	Spherical Nucleic Acids: Integrating Nanotechnology Concepts into General Chemistry Curricula.. *Journal of Chemical Education*, **2021**, 98, 3090-3099	2.4	0
942	Spherical Nucleic Acid Vaccine Structure Markedly Influences Adaptive Immune Responses of Clinically Utilized Prostate Cancer Targets. *Advanced Healthcare Materials*, **2021**, 10, e2101262	10.1	3
941	Controlling the Biological Fate of Liposomal Spherical Nucleic Acids Using Tunable Polyethylene Glycol Shells. *ACS Applied Materials & Interfaces*, **2021**, 13, 46325-46333	9.5	0
940	Electron-Equivalent Valency through Molecularly Well-Defined Multivalent DNA. *Journal of the American Chemical Society*, **2021**, 143, 1752-1757	16.4	5
939	Probing the Consequences of Cubic Particle Shape and Applied Field on Colloidal Crystal Engineering with DNA. *Angewandte Chemie*, **2021**, 133, 4111-4115	3.6	1
938	Microscopy-Based Approaches to Characterizing Analogs of Classical Electrons in Colloidal Crystals Engineered with DNA. *Microscopy and Microanalysis*, **2020**, 26, 2016-2019	0.5	
937	Dual-Readout Sandwich Immunoassay for Device-Free and Highly Sensitive Anthrax Biomarker Detection. *Analytical Chemistry*, **2020**, 92, 7845-7851	7.8	11

936	Colloidal crystal engineering with metal-organic framework nanoparticles and DNA. *Nature Communications*, **2020**, 11, 2495	17.4	45
935	High-Index-Facet Metal-Alloy Nanoparticles as Fuel Cell Electrocatalysts. *Advanced Materials*, **2020**, 32, e2002849	24	27
934	DNA-Based Nanostructures for Live-Cell Analysis. *Journal of the American Chemical Society*, **2020**, 142, 11343-11356	16.4	75
933	Understanding Optomagnetic Interactions in Fe Nanowire/Au Nanoring Hybrid Structures Synthesized through Coaxial Lithography. *Chemistry of Materials*, **2020**, 32, 2843-2851	9.6	2
932	Automated Synthesis and Purification of Guanidine-Backbone Oligonucleotides. *Current Protocols in Nucleic Acid Chemistry*, **2020**, 81, e110	0.5	2
931	Mapping the thermal entrenchment behavior of Pd nanoparticles on planar SiO supports. *Nanoscale*, **2020**, 12, 14245-14258	7.7	
930	Development of Spherical Nucleic Acids for Prostate Cancer Immunotherapy. *Frontiers in Immunology*, **2020**, 11, 1333	8.4	6
929	Multimetallic High-Index Faceted Heterostructured Nanoparticles. *Journal of the American Chemical Society*, **2020**, 142, 4570-4575	16.4	20
928	Structure-Dependent Biodistribution of Liposomal Spherical Nucleic Acids. *ACS Nano*, **2020**, 14, 1682-1693	15.7	21
927	Light-Responsive Colloidal Crystals Engineered with DNA. *Advanced Materials*, **2020**, 32, e1906600	24	28
926	Defining the Design Parameters for Enzyme Delivery Through Protein Spherical Nucleic Acids. *ACS Central Science*, **2020**, 6, 815-822	16.8	10
925	Controlling the DNA Hybridization Chain Reaction. *Journal of the American Chemical Society*, **2020**, 142, 8596-8601	16.4	35
924	DNA-Directed Protein Packing within Single Crystals. *CheM*, **2020**, 6, 1007-1017	16.2	9
923	Chain-End Functionalized Polymers for the Controlled Synthesis of Sub-2 nm Particles. *Journal of the American Chemical Society*, **2020**, 142, 7350-7355	16.4	11
922	A high-throughput SAMDI-mass spectrometry assay for isocitrate dehydrogenase 1. *Analyst, The*, **2020**, 145, 3899-3908	5	7
921	Evolution of Dip-Pen Nanolithography (DPN): From Molecular Patterning to Materials Discovery. *Chemical Reviews*, **2020**, 120, 6009-6047	68.1	46
920	Spherical Nucleic Acids* **2020**, 91-136		
919	The Structural Characterization of Oligonucleotide-Modified Gold Nanoparticle Networks Formed by DNA Hybridization* **2020**, 497-514		

900 Gene Regulation with Polyvalent siRNA-Nanoparticle Conjugates* **2020**, 1577-1584

899 Density-Gradient Control over Nanoparticle Supercrystal Formation* **2020**, 1033-1051

898 Modeling the Crystallization of Spherical Nucleic Acid Nanoparticle Conjugates with Molecular Dynamics Simulations* **2020**, 555-569

897 Polyvalent DNA-Nanoparticle Conjugates Stabilize Nucleic Acids* **2020**, 425-435

896 Strategy for Increasing Drug Solubility and Efficacy through Covalent Attachment to Polyvalent DNA-Nanoparticle Conjugates* **2020**, 451-473

895 Scanometric DNA Array Detection with Nanoparticle Probes* **2020**, 1445-1456

894 Establishing the Design Rules for DNA-Mediated Programmable Colloidal Crystallization* **2020**, 527-537

893 DNA-Programmable Nanoparticle Crystallization* **2020**, 515-525

892 Design Rules for Template-Confined DNA-Mediated Nanoparticle Assembly* **2020**, 1209-1225

891 Controlling Structure and Porosity in Catalytic Nanoparticle Superlattices with DNA* **2020**, 1415-1429

890 Scanometric DNA Array Detection with Nanoparticle Probes* **2020**, 1445-1456

889 Molecular Spherical Nucleic Acids* **2020**, 1669-1686

888 Transitioning DNA-Engineered Nanoparticle Superlattices from Solution to the Solid State* **2020**, 1401-1414

887 Design Rules for Template-Confined DNA-Mediated Nanoparticle Assembly* **2020**, 1209-1225

886 A General Approach to DNA-Programmable Atom Equivalents* **2020**, 587-600

885 Controlling Structure and Porosity in Catalytic Nanoparticle Superlattices with DNA* **2020**, 1415-1429

884 Building Superlattices from Individual Nanoparticles via Template-Confined DNA-Mediated Assembly* **2020**, 1195-1208

883 Exploring the Zone of Anisotropy and Broken Symmetries in DNA-Mediated Nanoparticle Crystallization* **2020**, 643-657

882 What Controls the Melting Properties of DNA-Linked Gold Nanoparticle Assemblies?* **2020**, 325-361 1

881 Transmutable Nanoparticles with Reconfigurable Surface Ligands* **2020**, 1105-1116

880 pH-Responsive Nanoparticle Superlattices with Tunable DNA Bonds* **2020**, 1117-1126

879 Building Superlattices from Individual Nanoparticles via Template-Confined DNA-Mediated Assembly* **2020**, 1195-1208

878 Growth Dynamics for DNA-Guided Nanoparticle Crystallization* **2020**, 989-1016

877 Controlling the Lattice Parameters of Gold Nanoparticle FCC Crystals with Duplex DNA Linkers* **2020**, 763-773

876 What Controls the Hybridization Thermodynamics of Spherical Nucleic Acids?* **2020**, 371-383

875 DNA-Programmable Nanoparticle Crystallization* **2020**, 515-525

874 Modeling the Crystallization of Spherical Nucleic Acid Nanoparticle Conjugates with Molecular Dynamics Simulations* **2020**, 555-569

873 Thermodynamic Investigation into the Binding Properties of DNA Functionalized Gold Nanoparticle Probes and Molecular Fluorophore Probes* **2020**, 363-370

872 Establishing the Design Rules for DNA-Mediated Programmable Colloidal Crystallization* **2020**, 527-537

871 DNA-Nanoparticle Superlattices Formed from Anisotropic Building Blocks* **2020**, 601-613

870 General and Direct Method for Preparing Oligonucleotide-Functionalized Metal-Organic Framework Nanoparticles* **2020**, 671-682

869 Building Superlattices from Individual Nanoparticles via Template-Confined DNA-Mediated Assembly* **2020**, 1195-1208

868 Altering DNA-Programmable Colloidal Crystallization Paths by Modulating Particle Repulsion* **2020** , 703-719

867 DNA-Programmable Nanoparticle Crystallization* **2020**, 515-525

866 Transitioning DNA-Engineered Nanoparticle Superlattices from Solution to the Solid State* **2020**, 1401-1414

865 Spherical Nucleic Acids* **2020**, 91-136

864 DNA-Mediated Engineering of Multicomponent Enzyme Crystals* **2020**, 683-701

863 pH-Responsive Nanoparticle Superlattices with Tunable DNA Bonds* **2020**, 1117-1126

862 Molecular Spherical Nucleic Acids* **2020**, 1669-1686

861 What Controls the Hybridization Thermodynamics of Spherical Nucleic Acids?* **2020**, 371-383

860 Importance of the DNA Bond in Programmable Nanoparticle Crystallization* **2020**, 775-794

859 Nanoparticles with Raman Spectroscopic Fingerprints for DNA and RNA Detection* **2020**, 1467-1477

858 Controlling Structure and Porosity in Catalytic Nanoparticle Superlattices with DNA* **2020**, 1415-1429

857 Topotactic Interconversion of Nanoparticle Superlattices* **2020**, 1081-1092

856 Modeling the Crystallization of Spherical Nucleic Acid Nanoparticle Conjugates with Molecular Dynamics Simulations* **2020**, 555-569

855 Scanometric DNA Array Detection with Nanoparticle Probes* **2020**, 1445-1456

854 What Controls the Optical Properties of DNA-Linked Gold Nanoparticle Assemblies?* **2020**, 293-324

853 Polyvalent DNA-Nanoparticle Conjugates Stabilize Nucleic Acids* **2020**, 425-435

852 Strategy for Increasing Drug Solubility and Efficacy through Covalent Attachment to Polyvalent DNA-Nanoparticle Conjugates* **2020**, 451-473

851 Growth Dynamics for DNA-Guided Nanoparticle Crystallization* **2020**, 989-1016

850 Thermodynamic Investigation into the Binding Properties of DNA Functionalized Gold Nanoparticle Probes and Molecular Fluorophore Probes* **2020**, 363-370

849 What Controls the Melting Properties of DNA-Linked Gold Nanoparticle Assemblies?* **2020**, 325-361

848 Gene Regulation with Polyvalent siRNA-Nanoparticle Conjugates* **2020**, 1577-1584

847 Design Rules for Template-Confined DNA-Mediated Nanoparticle Assembly* **2020**, 1209-1225

846	Transmutable Nanoparticles with Reconfigurable Surface Ligands* **2020**, 1105-1116		
845	Controlling the Lattice Parameters of Gold Nanoparticle FCC Crystals with Duplex DNA Linkers* **2020**, 763-773		
844	Establishing the Design Rules for DNA-Mediated Programmable Colloidal Crystallization* **2020**, 527-537		
843	Sequence Multiplicity within Spherical Nucleic Acids. *ACS Nano*, **2020**, 14, 1084-1092	16.7	7
842	DNA- and Field-Mediated Assembly of Magnetic Nanoparticles into High-Aspect Ratio Crystals. *Advanced Materials*, **2020**, 32, e1906626	24	14
841	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	11.5	22
840	Synthesis of Metal-Capped Semiconductor Nanowires from Heterodimer Nanoparticle Catalysts. *Journal of the American Chemical Society*, **2020**, 142, 18324-18329	16.4	7
839	Position- and Orientation-Controlled Growth of Wulff-Shaped Colloidal Crystals Engineered with DNA. *Advanced Materials*, **2020**, 32, e2005316	24	6
838	Mie-Resonant Three-Dimensional Metacrystals. *Nano Letters*, **2020**, 20, 8096-8101	11.5	10
837	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	11.5	22
836	Attenuation of Abnormal Scarring Using Spherical Nucleic Acids Targeting Transforming Growth Factor Beta 1. *ACS Applied Bio Materials*, **2020**, 3, 8603-8610	4.1	1
835	Protein Spherical Nucleic Acids for Live-Cell Chemical Analysis. *Journal of the American Chemical Society*, **2020**, 142, 13350-13355	16.4	25
834	Endosomal Organization of CpG Constructs Correlates with Enhanced Immune Activation. *Nano Letters*, **2020**, 20, 6170-6175	11.5	9
833	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	11.5	13
832	Halide perovskite nanocrystal arrays: Multiplexed synthesis and size-dependent emission. *Science Advances*, **2020**, 6,	14.3	25
831	Nucleic-Acid Structures as Intracellular Probes for Live Cells. *Advanced Materials*, **2020**, 32, e1901743	24	67
830	Conductive 2D metal-organic framework for high-performance cathodes in aqueous rechargeable zinc batteries. *Nature Communications*, **2019**, 10, 4948	17.4	198
829	Tunable Fluorescence from Dye-Modified DNA-Assembled Plasmonic Nanocube Arrays. *Advanced Materials*, **2019**, 31, e1904448	24	16

828	Shape regulation of high-index facet nanoparticles by dealloying. *Science*, **2019**, 365, 1159-1163	33.3	62
827	Enzymatic Degradation of DNA Probed by X-ray Scattering. *ACS Nano*, **2019**, 13, 11382-11391	16.7	2
826	Impact of Sequence Specificity of Spherical Nucleic Acids on Macrophage Activation in Vitro and in Vivo. *Molecular Pharmaceutics*, **2019**, 16, 4223-4229	5.6	4
825	Subcellular Control over Focal Adhesion Anisotropy, Independent of Cell Morphology, Dictates Stem Cell Fate. *ACS Nano*, **2019**, 13, 11144-11152	16.7	21
824	DNA-Functionalized Metal-Organic Framework Nanoparticles for Intracellular Delivery of Proteins. *Journal of the American Chemical Society*, **2019**, 141, 2215-2219	16.4	136
823	Particle analogs of electrons in colloidal crystals. *Science*, **2019**, 364, 1174-1178	33.3	62
822	Manipulating Immune Activation of Macrophages by Tuning the Oligonucleotide Composition of Gold Nanoparticles. *Bioconjugate Chemistry*, **2019**, 30, 2032-2037	6.3	26
821	The role of trace Ag in the synthesis of Au nanorods. *Nanoscale*, **2019**, 11, 11744-11754	7.7	16
820	Protein Materials Engineering with DNA. *Accounts of Chemical Research*, **2019**, 52, 1939-1948	24.3	21
819	Rational vaccinology with spherical nucleic acids. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 10473-10481	11.5	52
818	Synthesis, Physicochemical, and Biological Evaluation of Spherical Nucleic Acids for RNAi-Based Therapy in Glioblastoma. *Methods in Molecular Biology*, **2019**, 1974, 371-391	1.4	7
817	Dual Toll-Like Receptor Targeting Liposomal Spherical Nucleic Acids. *Bioconjugate Chemistry*, **2019**, 30, 944-951	6.3	15
816	Interface and heterostructure design in polyelemental nanoparticles. *Science*, **2019**, 363, 959-964	33.3	116
815	A tri-layer approach to controlling nanopore formation in oxide supports. *Nano Research*, **2019**, 12, 1223-1228	10	1
814	Forced Intercalation (FIT)-Aptamers. *Journal of the American Chemical Society*, **2019**, 141, 13744-13748	16.4	23
813	A Cross-Linking Approach to Stabilizing Stimuli-Responsive Colloidal Crystals Engineered with DNA. *Journal of the American Chemical Society*, **2019**, 141, 11827-11831	16.4	18
812	In My Element: Gold. *Chemistry - A European Journal*, **2019**, 25, 7777-7778	4.8	1
811	Massively Parallel Nanoparticle Synthesis in Anisotropic Nanoreactors. *ACS Nano*, **2019**, 13, 12408-12414	16.7	7

810	Rapid, large-volume, thermally controlled 3D printing using a mobile liquid interface. *Science*, **2019**, 366, 360-364	33.3	162
809	2018 Richards Medal Address: Rational Vaccinology: In Pursuit of the Perfect Vaccine **2019**, 97, 2-7		
808	Exploration of the nanomedicine-design space with high-throughput screening and machine learning. *Nature Biomedical Engineering*, **2019**, 3, 318-327	19	69
807	Crystal engineering with DNA. *Nature Reviews Materials*, **2019**, 4, 201-224	73.3	111
806	Mercury-Free Automated Synthesis of Guanidinium Backbone Oligonucleotides. *Journal of the American Chemical Society*, **2019**, 141, 20171-20176	16.4	7
805	Spherical Nucleic Acids with Tailored and Active Protein Coronae. *ACS Central Science*, **2019**, 5, 1983-1990	16.8	19
804	Multivalent Cation-Induced Actuation of DNA-Mediated Colloidal Superlattices. *Journal of the American Chemical Society*, **2019**, 141, 19973-19977	16.4	11
803	Colloidal Crystal "Alloys". *Journal of the American Chemical Society*, **2019**, 141, 20443-20450	16.4	11
802	Nanocombinatorics with Cantilever-Free Scanning Probe Arrays. *ACS Nano*, **2019**, 13, 8-17	16.7	19
801	Catalyst discovery through megalibraries of nanomaterials. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 40-45	11.5	41
800	The Importance of Salt-Enhanced Electrostatic Repulsion in Colloidal Crystal Engineering with DNA. *ACS Central Science*, **2019**, 5, 186-191	16.8	17
799	Stabilization of Colloidal Crystals Engineered with DNA. *Advanced Materials*, **2019**, 31, e1805480	24	27
798	Controlled Symmetry Breaking in Colloidal Crystal Engineering with DNA. *ACS Nano*, **2019**, 13, 1412-1420	16.7	11
797	PLGA Spherical Nucleic Acids. *Advanced Materials*, **2018**, 30, e1707113	24	47
796	pH-Responsive Nanoparticle Superlattices with Tunable DNA Bonds. *Journal of the American Chemical Society*, **2018**, 140, 5061-5064	16.4	40
795	Molecular spherical nucleic acids. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4340-4344	11.5	77
794	Abnormal scar identification with spherical-nucleic-acid technology. *Nature Biomedical Engineering*, **2018**, 2, 227-238	19	51
793	Building superlattices from individual nanoparticles via template-confined DNA-mediated assembly. *Science*, **2018**, 359, 669-672	33.3	145

792	Conjugation Chemistry-Dependent T-Cell Activation with Spherical Nucleic Acids. *Journal of the American Chemical Society*, **2018**, 140, 1227-1230	16.4	39
791	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	3.8	38
790	Lattice Mismatch in Crystalline Nanoparticle Thin Films. *Nano Letters*, **2018**, 18, 579-585	11.5	31
789	An Allosterically Regulated, Four-State Macrocycle. *Inorganic Chemistry*, **2018**, 57, 3568-3578	5.1	13
788	DNA-Mediated Size-Selective Nanoparticle Assembly for Multiplexed Surface Encoding. *Nano Letters*, **2018**, 18, 2645-2649	11.5	27
787	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	11.5	28
786	Defining the Structure of a Protein-Spherical Nucleic Acid Conjugate and Its Counterionic Cloud. *ACS Central Science*, **2018**, 4, 378-386	16.8	19
785	Electrostatic Purification of Mixed-Phase Metal□Organic Framework Nanoparticles. *Chemistry of Materials*, **2018**, 30, 4877-4881	9.6	8
784	DNA enters a new phase. *Nature Nanotechnology*, **2018**, 13, 624-625	28.7	2
783	DNA-Encoded Protein Janus Nanoparticles. *Journal of the American Chemical Society*, **2018**, 140, 9269-9274	14	38
782	Density-Gradient Control over Nanoparticle Supercrystal Formation. *Nano Letters*, **2018**, 18, 6022-6029	11.5	6
781	Metal-Organic Framework Nanoparticles. *Advanced Materials*, **2018**, 30, e1800202	24	338
780	Smaller CpG-Conjugated Gold Nanoconstructs Achieve Higher Targeting Specificity of Immune Activation. *ACS Applied Materials & Interfaces*, **2018**, 10, 21920-21926	9.5	35
779	Spherical Nucleic Acids: Adding a New Dimension to Nucleic Acids and Clinical Chemistry. *Clinical Chemistry*, **2018**, 64, 971-972	5.5	11
778	Enhancing the Stability and Immunomodulatory Activity of Liposomal Spherical Nucleic Acids through Lipid-Tail DNA Modifications. *Small*, **2018**, 14, 1702909	11	31
777	Direct Observation of Plasmon-Induced Interfacial Charge Separation in Metal/Semiconductor Hybrid Nanostructures by Measuring Surface Potentials. *Nano Letters*, **2018**, 18, 109-116	11.5	40
776	A four-state fluorescent molecular switch. *Chemical Communications*, **2018**, 54, 12041-12044	5.8	1
775	Non-equilibrium anisotropic colloidal single crystal growth with DNA. *Nature Communications*, **2018**, 9, 4558	17.4	28

774	Programming Protein Polymerization with DNA. *Journal of the American Chemical Society*, **2018**, 140, 15950-15956	16.4	16
773	Design Rules for Template-Confined DNA-Mediated Nanoparticle Assembly. *Small*, **2018**, 14, e1802742	11	9
772	A Redox-Switchable, Allosteric Coordination Complex. *Journal of the American Chemical Society*, **2018**, 140, 14590-14594	16.4	13
771	RNA-Based Immunostimulatory Liposomal Spherical Nucleic Acids as Potent TLR7/8 Modulators. *Small*, **2018**, 14, e1803284	11	39
770	DNA-Functionalized, Bivalent Proteins. *Journal of the American Chemical Society*, **2018**, 140, 6776-6779	16.4	29
769	Windowless Observation of Evaporation-Induced Coarsening of Au-Pt Nanoparticles in Polymer Nanoreactors. *Journal of the American Chemical Society*, **2018**, 140, 7213-7221	16.4	8
768	The Role of Structural Enthalpy in Spherical Nucleic Acid Hybridization. *Journal of the American Chemical Society*, **2018**, 140, 6226-6230	16.4	31
767	Fast Charge Extraction in Perovskite-Based Core-Shell Nanowires. *ACS Nano*, **2018**, 12, 7206-7212	16.7	7
766	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	11.5	34
765	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	11.5	9
764	Understanding nanoparticle-mediated nucleation pathways of anisotropic nanoparticles. *Chemical Physics Letters*, **2017**, 683, 389-392	2.5	11
763	Reversible and Selective Encapsulation of Dextromethorphan and β-Estradiol Using an Asymmetric Molecular Capsule Assembled via the Weak-Link Approach. *Journal of the American Chemical Society*, **2017**, 139, 1368-1371	16.4	48
762	Nanopatterned Extracellular Matrices Enable Cell-Based Assays with a Mass Spectrometric Readout. *Nano Letters*, **2017**, 17, 1373-1377	11.5	19
761	Modulating Nanoparticle Superlattice Structure Using Proteins with Tunable Bond Distributions. *Journal of the American Chemical Society*, **2017**, 139, 1754-1757	16.4	41
760	Cross-Linked Micellar Spherical Nucleic Acids from Thermoresponsive Templates. *Journal of the American Chemical Society*, **2017**, 139, 4278-4281	16.4	53
759	Clathrate colloidal crystals. *Science*, **2017**, 355, 931-935	33.3	121
758	The Impact of Protein Corona Formation on the Macrophage Cellular Uptake and Biodistribution of Spherical Nucleic Acids. *Small*, **2017**, 13, 1603847	11	62
757	Polymer-Pen Chemical Lift-Off Lithography. *Nano Letters*, **2017**, 17, 3302-3311	11.5	30

756	Orthogonal Chemical Modification of Template-Synthesized Nanostructures with DNA. *Journal of the American Chemical Society*, **2017**, 139, 6831-6834	16.4	4
755	The Structural Fate of Individual Multicomponent Metal-Oxide Nanoparticles in Polymer Nanoreactors. *Angewandte Chemie*, **2017**, 129, 7733-7737	3.6	3
754	The Structural Fate of Individual Multicomponent Metal-Oxide Nanoparticles in Polymer Nanoreactors. *Angewandte Chemie - International Edition*, **2017**, 56, 7625-7629	16.4	14
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