Chun-Hai Fan

List of Publications by Year in Descending Order

731 papers	56,000 citations	118 h-index	214 g-index
801 ext. papers	63,410 ext. citations	10.9 avg, IF	7.82 L-index

#	Paper	IF	Citations
731	Ionic Current Fluctuation and Orientation of Tetrahedral DNA Nanostructures in a Solid-State Nanopore.. *Small*, **2022**, e2107237	11	0
730	Programmable DNA Hydrogels as Artificial Extracellular Matrix.. *Small*, **2022**, e2107640	11	5
729	DNA-Based Concatenated Encoding System for High-Reliability and High-Density Data Storage.. *Small Methods*, **2022**, e2101335	12.8	1
728	Rapid and ultrasensitive electromechanical detection of ions, biomolecules and SARS-CoV-2 RNA in unamplified samples.. *Nature Biomedical Engineering*, **2022**,	19	22
727	Benzyl-rich ligand engineering of the photostability of atomically precise gold nanoclusters.. *Chemical Communications*, **2022**,	5.8	1
726	Pharmaceutical applications of framework nucleic acids.. *Acta Pharmaceutica Sinica B*, **2022**, 12, 76-91	15.5	4
725	Computer vision-aided bioprinting for bone research.. *Bone Research*, **2022**, 10, 21	13.3	0
724	Programmable design of isothermal nucleic acid diagnostic assays through abstraction-based models.. *Nature Communications*, **2022**, 13, 1635	17.4	0
723	Advances in aptamer-based nuclear imaging.. *European Journal of Nuclear Medicine and Molecular Imaging*, **2022**, 1	8.8	1
722	DNA Nanotechnology for Plasmonics **2022**, 271-323		
721	A smartphone-based three-in-one biosensor for co-detection of SARS-CoV-2 viral RNA, antigen and antibody.. *Chemical Communications*, **2022**, 58, 6108-6111	5.8	2
720	Engineering DNA-Guided Hydroxyapatite Bulk Materials with High Stiffness and Outstanding Antimicrobial Ability for Dental Inlay Applications.. *Advanced Materials*, **2022**, e2202180	24	0
719	Programming Receptor Clustering with DNA Probabilistic Circuits for Enhanced Natural Killer Cell Recognition.. *Angewandte Chemie - International Edition*, **2022**, e202203800	16.4	1
718	Gold-Nanoparticle-Mediated Assembly of High-Order DNA Nano-Architectures.. *Small*, **2022**, e2200824	11	1
717	Molecular Visualization of Early-Stage Acute Kidney Injury with a DNA Framework Nanodevice.. *Advanced Science*, **2022**, e2105947	13.6	2
716	Protein-Mimicking Nanoparticles in Biosystems.. *Advanced Materials*, **2022**, e2201562	24	2
715	Optically Controlled Ultrafast Terahertz Metadevices with Ultralow Pump Threshold (Small 44/2021). *Small*, **2021**, 17, 2170233	11	1

714	Recent Progress in the Transfer of Graphene Films and Nanostructures.. *Small Methods*, **2021**, 5, e2100771	11.8	3
713	Electrochemically driven assembly of framework nucleic acids. *Journal of Electroanalytical Chemistry*, **2021**, 905, 115901	4.1	
712	Controlling Water Flow through a Synthetic Nanopore with Permeable Cations.. *ACS Central Science*, **2021**, 7, 2092-2098	16.8	1
711	A DNA nanodevice boosts tumour immunity. *Nature Nanotechnology*, **2021**,	28.7	4
710	Aptamer-modified DNA tetrahedra-gated metal-organic framework nanoparticle carriers for enhanced chemotherapy or photodynamic therapy. *Chemical Science*, **2021**, 12, 14473-14483	9.4	10
709	Empowering single-molecule analysis with self-assembled DNA nanostructures. *Matter*, **2021**, 4, 3121-3145	12.7	3
708	Addition-Elimination Mechanism-Activated Nucleotide Transition Sequencing for RNA Dynamics Profiling. *Analytical Chemistry*, **2021**, 93, 13974-13980	7.8	0
707	Optically Controlled Ultrafast Terahertz Metadevices with Ultralow Pump Threshold. *Small*, **2021**, 17, e2104275	11	4
706	Nanomechanical Induction of Autophagy-Related Fluorescence in Single Cells with Atomic Force Microscopy. *Advanced Science*, **2021**, 8, e2102989	13.6	2
705	Programming CircLigase Catalysis for DNA Rings and Topologies. *Analytical Chemistry*, **2021**, 93, 1801-1810	7.8	3
704	Significantly Improving the Bioefficacy for Rheumatoid Arthritis with Supramolecular Nanoformulations. *Advanced Materials*, **2021**, 33, e2100098	24	18
703	pH- and miRNA-Responsive DNA-Tetrahedra/Metal-Organic Framework Conjugates: Functional Sense-and-Treat Carriers. *ACS Nano*, **2021**, 15, 6645-6657	16.7	21
702	Probing the Intracellular Dynamics of Nitric Oxide and Hydrogen Sulfide Using an Activatable NIR II Fluorescence Reporter. *Angewandte Chemie*, **2021**, 133, 8531-8535	3.6	4
701	X-ray-Based Techniques to Study the Nano-Bio Interface. *ACS Nano*, **2021**, 15, 3754-3807	16.7	18
700	Probing the Intracellular Dynamics of Nitric Oxide and Hydrogen Sulfide Using an Activatable NIR II Fluorescence Reporter. *Angewandte Chemie - International Edition*, **2021**, 60, 8450-8454	16.4	21
699	Probing the Formation Kinetics and Thermodynamics with Rationally Designed Analytical Tools Enables One-Pot Synthesis and Purification of a Tetrahedral DNA Nanostructure. *Analytical Chemistry*, **2021**, 93, 7045-7053	7.8	4
698	Dynamic regulation of DNA nanostructures by noncanonical nucleic acids. *NPG Asia Materials*, **2021**, 13,	10.3	3
697	General Synthesis of Ultrafine Monodispersed Hybrid Nanoparticles from Highly Stable Monomicelles. *Advanced Materials*, **2021**, 33, e2100820	24	11

696	Precisely Controlled Vertical Alignment in Mesostructured Carbon Thin Films for Efficient Electrochemical Sensing. *ACS Nano*, **2021**, 15, 7713-7721	16.7	7
695	Proteomic Exploration of Endocytosis of Framework Nucleic Acids. *Small*, **2021**, 17, e2100837	11	5
694	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. *Angewandte Chemie*, **2021**, 133, 11801-11807	3.6	0
693	DNA Origami-Based Nanoprinting for the Assembly of Plasmonic Nanostructures with Single-Molecule Surface-Enhanced Raman Scattering. *Angewandte Chemie - International Edition*, **2021**, 60, 11695-11701	16.4	22
692	Epigenetic Remodeling Hydrogel Patches for Multidrug-Resistant Triple-Negative Breast Cancer. *Advanced Materials*, **2021**, 33, e2100949	24	23
691	DNA Assembly-Based Stimuli-Responsive Systems. *Advanced Science*, **2021**, 8, 2100328	13.6	11
690	An Oligonucleotide-Distortion-Responsive Organic Transistor for Platinum-Drug-Induced DNA-Damage Detection. *Advanced Materials*, **2021**, 33, e2100489	24	4
689	Catalytic DNA Origami-based Chiral Plasmonic Biosensor. *Chemical Research in Chinese Universities*, **2021**, 37, 914-918	2.2	2
688	Poly-Adenine-Based Spherical Nucleic Acids for Efficient Live-Cell MicroRNA Capture. *Angewandte Chemie - International Edition*, **2021**, 60, 14438-14445	16.4	3
687	Poly-Adenine-Based Spherical Nucleic Acids for Efficient Live-Cell MicroRNA Capture. *Angewandte Chemie*, **2021**, 133, 14559-14566	3.6	
686	Metal-Bridged Graphene-Protein Supraparticles for Analog and Digital Nitric Oxide Sensing. *Advanced Materials*, **2021**, 33, e2007900	24	3
685	DNA origami single crystals with Wulff shapes. *Nature Communications*, **2021**, 12, 3011	17.4	7
684	Sequential Therapy of Acute Kidney Injury with a DNA Nanodevice. *Nano Letters*, **2021**, 21, 4394-4402	11.5	13
683	Biocomputing Based on DNA Strand Displacement Reactions. *ChemPhysChem*, **2021**, 22, 1151-1166	3.2	7
682	Multi-Mode Reconfigurable DNA-Based Chemical Reaction Circuits for Soft Matter Computing and Control. *Angewandte Chemie*, **2021**, 133, 15140-15146	3.6	3
681	Prescribing Silver Chirality with DNA Origami. *Journal of the American Chemical Society*, **2021**, 143, 8639-8646	16.4	12
680	Nanobooster-encapsulated hybrid RNA as anti-tumor viral mimicry. *Nano Today*, **2021**, 38, 101211	17.9	8
679	Multi-Mode Reconfigurable DNA-Based Chemical Reaction Circuits for Soft Matter Computing and Control. *Angewandte Chemie - International Edition*, **2021**, 60, 15013-15019	16.4	9

678	DNA Framework-Engineered Long-Range Electrostatic Interactions for DNA Hybridization Reactions. *Angewandte Chemie*, **2021**, 133, 16829-16835	3.6	
677	A library of thermotropic liquid crystals of inorganic nanoparticles and extraordinary performances based on their collective ordering. *Nano Today*, **2021**, 38, 101115	17.9	6
676	Responsive optical probes for deep-tissue imaging: Photoacoustics and second near-infrared fluorescence. *Advanced Drug Delivery Reviews*, **2021**, 173, 141-163	18.5	12
675	DNA Framework-Engineered Long-Range Electrostatic Interactions for DNA Hybridization Reactions. *Angewandte Chemie - International Edition*, **2021**, 60, 16693-16699	16.4	7
674	Remote Photothermal Control of DNA Origami Assembly in Cellular Environments. *Nano Letters*, **2021**, 21, 5834-5841	11.5	3
673	Encoding Fluorescence Anisotropic Barcodes with DNA Fameworks. *Journal of the American Chemical Society*, **2021**, 143, 10735-10742	16.4	6
672	Asymmetric reconstruction of mammalian reovirus reveals interactions among RNA, transcriptional factor μ2 and capsid proteins. *Nature Communications*, **2021**, 12, 4176	17.4	1
671	Nucleic Acid Tests for Clinical Translation. *Chemical Reviews*, **2021**, 121, 10469-10558	68.1	23
670	Pairwise Proximity-Differentiated Visualization of Single-Cell DNA Epigenetic Marks. *Angewandte Chemie*, **2021**, 133, 3470-3474	3.6	2
669	Probing of coupling effect induced plasmonic charge accumulation for water oxidation. *National Science Review*, **2021**, 8, nwaa151	10.8	16
668	Biosensors based on DNA logic gates. *View*, **2021**, 2, 20200038	7.8	4
667	Designer DNA nanostructures for therapeutics. *CheM*, **2021**, 7, 1156-1179	16.2	27
666	Probing Transient DNA Conformation Changes with an Intercalative Fluorescent Excimer. *Angewandte Chemie - International Edition*, **2021**, 60, 6624-6630	16.4	2
665	Near-Field Nanoscopic Terahertz Imaging of Single Proteins. *Small*, **2021**, 17, e2005814	11	12
664	Tracking endocytosis and intracellular distribution of spherical nucleic acids with correlative single-cell imaging. *Nature Protocols*, **2021**, 16, 383-404	18.8	5
663	Fine Customization of Calcium Phosphate Nanostructures with Site-Specific Modification by DNA Templated Mineralization. *ACS Nano*, **2021**, 15, 1555-1565	16.7	10
662	Optochemical Control of DNA-Switching Circuits for Logic and Probabilistic Computation. *Angewandte Chemie - International Edition*, **2021**, 60, 3397-3401	16.4	19
661	Novel aptasensor-based assay of sonic hedgehog ligand for detection of portal vein invasion of hepatocellular carcinoma. *Biosensors and Bioelectronics*, **2021**, 174, 112738	11.8	4

660	Pairwise Proximity-Differentiated Visualization of Single-Cell DNA Epigenetic Marks. *Angewandte Chemie - International Edition*, **2021**, 60, 3428-3432	16.4	8
659	Optochemical Control of DNA-Switching Circuits for Logic and Probabilistic Computation. *Angewandte Chemie*, **2021**, 133, 3439-3443	3.6	3
658	DNA nanotechnology-empowered nanoscopic imaging of biomolecules. *Chemical Society Reviews*, **2021**, 50, 5650-5667	58.5	24
657	DNA origami. *Nature Reviews Methods Primers*, **2021**, 1,		96
656	A nano-integrated microfluidic biochip for enzyme-based point-of-care detection of creatinine. *Chemical Communications*, **2021**, 57, 4726-4729	5.8	4
655	Encoding DNA Frameworks for Amplified Multiplexed Imaging of Intracellular microRNAs. *Analytical Chemistry*, **2021**, 93, 2226-2234	7.8	18
654	Electric Fano resonance-based terahertz metasensors. *Nanoscale*, **2021**, 13, 18467-18472	7.7	8
653	Assembly Pathway Selection with DNA Reaction Circuits for Programming Multiple Cell-Cell Interactions. *Journal of the American Chemical Society*, **2021**, 143, 3448-3454	16.4	22
652	Probing Transient DNA Conformation Changes with an Intercalative Fluorescent Excimer. *Angewandte Chemie*, **2021**, 133, 6698-6704	3.6	
651	Titelbild: Optochemical Control of DNA-Switching Circuits for Logic and Probabilistic Computation (Angew. Chem. 7/2021). *Angewandte Chemie*, **2021**, 133, 3353-3353	3.6	
650	Engineering Allosteric Ribozymes to Detect Thiamine Pyrophosphate in Whole Blood. *Analytical Chemistry*, **2021**, 93, 4277-4284	7.8	3
649	Advances in Whole-Cell Photobiological Hydrogen Production. *Advanced NanoBiomed Research*, **2021**, 1, 2000051	0	1
648	Terahertz Wave Enhances Permeability of the Voltage-Gated Calcium Channel. *Journal of the American Chemical Society*, **2021**, 143, 4311-4318	16.4	30
647	Cryogenic Electron Microscopy for Resolving DNA Nanostructures and Their Complexes. *Small Structures*, **2021**, 2, 2100053	8.7	1
646	Protein-Mimicking Nanoparticles for a Cellular Regulation of Homeostasis. *ACS Applied Materials & Interfaces*, **2021**, 13, 31331-31336	9.5	8
645	Reconstructing Soma-Soma Synapse-like Vesicular Exocytosis with DNA Origami. *ACS Central Science*, **2021**, 7, 1400-1407	16.8	6
644	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. *Exploration*, **2021**, 1, 9-20		13
643	Modular DNA Circuits for Point-of-Care Colorimetric Assay of Infectious Pathogens. *Analytical Chemistry*, **2021**, 93, 13861-13869	7.8	2

642	Programming Molecular Circuitry and Intracellular Computing with Framework Nucleic Acids **2021**, 77-103		
641	Hydrophobic collapse-driven nanoparticle coating with poly-adenine adhesives. *Chemical Communications*, **2021**, 57, 3801-3804	5.8	5
640	Recent Advances of DNA Nanostructure-Based Cell Membrane Engineering. *Advanced Healthcare Materials*, **2021**, 10, e2001718	10.1	12
639	Data Storage Based on DNA. *Small Structures*, **2021**, 2, 2000046	8.7	10
638	Driving DNA Origami Assembly with a Terahertz Wave.. *Nano Letters*, **2021**,	11.5	5
637	Encoding quantized fluorescence states with fractal DNA frameworks. *Nature Communications*, **2020**, 11, 2185	17.4	15
636	Intracellular Entropy-Driven Multi-Bit DNA Computing for Tumor Progression Discrimination. *Angewandte Chemie - International Edition*, **2020**, 59, 13267-13272	16.4	28
635	Ultrafast DNA Sensors with DNA Framework-Bridged Hybridization Reactions. *Journal of the American Chemical Society*, **2020**, 142, 9975-9981	16.4	17
634	Programming PAM antennae for efficient CRISPR-Cas9 DNA editing. *Science Advances*, **2020**, 6, eaay9948	14.3	6
633	DNA-Edited Ligand Positioning on Red Blood Cells to Enable Optimized T Cell Activation for Adoptive Immunotherapy. *Angewandte Chemie - International Edition*, **2020**, 59, 14842-14853	16.4	30
632	Intracellular Entropy-Driven Multi-Bit DNA Computing for Tumor Progression Discrimination. *Angewandte Chemie*, **2020**, 132, 13369-13374	3.6	8
631	Programming Biomimetically Confined Aptamers with DNA Frameworks. *ACS Nano*, **2020**, 14, 8776-8783	16.7	9
630	DNA-Edited Ligand Positioning on Red Blood Cells to Enable Optimized T Cell Activation for Adoptive Immunotherapy. *Angewandte Chemie*, **2020**, 132, 14952-14963	3.6	1
629	Information stored in nanoscale: Encoding data in a single DNA strand with Base64. *Nano Today*, **2020**, 33, 100871	17.9	9
628	Direct DNA Methylation Profiling with an Electric Biosensor. *ACS Nano*, **2020**, 14, 6743-6751	16.7	9
627	Programming Switchable Transcription of Topologically Constrained DNA. *Journal of the American Chemical Society*, **2020**, 142, 10739-10746	16.4	20
626	Genetically encoded X-ray cellular imaging for nanoscale protein localization. *National Science Review*, **2020**, 7, 1218-1227	10.8	8
625	Engineering a chemoenzymatic cascade for sustainable photobiological hydrogen production with green algae. *Energy and Environmental Science*, **2020**, 13, 2064-2068	35.4	8

624	Encapsulation and release of living tumor cells using hydrogels with the hybridization chain reaction. *Nature Protocols*, **2020**, 15, 2163-2185	18.8	25
623	Capturing transient antibody conformations with DNA origami epitopes. *Nature Communications*, **2020**, 11, 3114	17.4	26
622	Unraveling Cell-Type-Specific Targeted Delivery of Membrane-Camouflaged Nanoparticles with Plasmonic Imaging. *Nano Letters*, **2020**, 20, 5228-5235	11.5	18
621	DNA Framework-Based Topological Cell Sorters. *Angewandte Chemie - International Edition*, **2020**, 59, 10406-10410	16.4	20
620	DNA Origami-Enabled Engineering of Ligand-Drug Conjugates for Targeted Drug Delivery. *Small*, **2020**, 16, e1904857	11	25
619	DNA Framework-Based Topological Cell Sorters. *Angewandte Chemie*, **2020**, 132, 10492-10496	3.6	2
618	Classifying Cell Types with DNA-Encoded Ligand-Receptor Interactions on the Cell Membrane. *Nano Letters*, **2020**, 20, 3521-3527	11.5	11
617	Near-IR emissive rare-earth nanoparticles for guided surgery. *Theranostics*, **2020**, 10, 2631-2644	12.1	20
616	Shaping Functional Materials with DNA Frameworks. *Trends in Chemistry*, **2020**, 2, 137-147	14.8	8
615	Ultrasensitive analysis of microRNAs with gold nanoparticle-decorated molybdenum disulfide nanohybrid-based multilayer nanoprobes. *Chemical Communications*, **2020**, 56, 9012-9015	5.8	8
614	Engineered Anisotropic Fluids of Rare-Earth Nanomaterials. *Angewandte Chemie*, **2020**, 132, 18370-18374	3.6	4
613	PolyA-based DNA bonds with programmable bond length and bond energy. *NPG Asia Materials*, **2020**, 12,	10.3	5
612	Engineered Anisotropic Fluids of Rare-Earth Nanomaterials. *Angewandte Chemie - International Edition*, **2020**, 59, 18213-18217	16.4	12
611	DNA-based artificial molecular signaling system that mimics basic elements of reception and response. *Nature Communications*, **2020**, 11, 978	17.4	35
610	Programming bulk enzyme heterojunctions for biosensor development with tetrahedral DNA framework. *Nature Communications*, **2020**, 11, 838	17.4	44
609	Treating Acute Kidney Injury with Antioxidative Black Phosphorus Nanosheets. *Nano Letters*, **2020**, 20, 1447-1454	11.5	54
608	Near-Atomic Fabrication with Nucleic Acids. *ACS Nano*, **2020**, 14, 1319-1337	16.7	13
607	Mechanically Strong Globular-Protein-Based Fibers Obtained Using a Microfluidic Spinning Technique. *Angewandte Chemie*, **2020**, 132, 4374-4378	3.6	10

606	Differentiated Visualization of Single-Cell 5-Hydroxymethylpyrimidines with Microfluidic Hydrogel Encoding. *Journal of the American Chemical Society*, **2020**, 142, 2889-2896	16.4	18
605	Nanoparticle-Assisted Alignment of Carbon Nanotubes on DNA Origami. *Angewandte Chemie*, **2020**, 132, 4922-4926	3.6	3
604	A Chemical Approach for Real-time Monitoring Neuronal Activities. *Chemical Research in Chinese Universities*, **2020**, 36, 729-730	2.2	
603	DNA Nanoribbon-Templated Self-Assembly of Ultrasmall Fluorescent Copper Nanoclusters with Enhanced Luminescence. *Angewandte Chemie - International Edition*, **2020**, 59, 11836-11844	16.4	25
602	Prescribing DNA Origami Patterns via Scaffold Decoration. *Small*, **2020**, 16, e2000793	11	7
601	COVID-19: A Call for Physical Scientists and Engineers. *ACS Nano*, **2020**, 14, 3747-3754	16.7	129
600	Functional DNA Structures and Their Biomedical Applications. *CCS Chemistry*, **2020**, 2, 707-728	7.2	18
599	Framework Nucleic Acids for Cell Imaging and Therapy. *Chemical Research in Chinese Universities*, **2020**, 36, 1-9	2.2	7
598	Nanoparticle-Assisted Alignment of Carbon Nanotubes on DNA Origami. *Angewandte Chemie - International Edition*, **2020**, 59, 4892-4896	16.4	16
597	Implementing digital computing with DNA-based switching circuits. *Nature Communications*, **2020**, 11, 121	17.4	50
596	Metal-Organic Framework Nanoparticles for Ameliorating Breast Cancer-Associated Osteolysis. *Nano Letters*, **2020**, 20, 829-840	11.5	34
595	DNA Framework-Encoded Mineralization of Calcium Phosphate. *CheM*, **2020**, 6, 472-485	16.2	31
594	Programming nanoparticle valence bonds with single-stranded DNA encoders. *Nature Materials*, **2020**, 19, 781-788	27	88
593	Mechanically Strong Globular-Protein-Based Fibers Obtained Using a Microfluidic Spinning Technique. *Angewandte Chemie - International Edition*, **2020**, 59, 4344-4348	16.4	34
592	Automated Nanoplasmonic Analysis of Spherical Nucleic Acids Clusters in Single Cells. *Analytical Chemistry*, **2020**, 92, 1333-1339	7.8	6
591	Size-Independent Transmembrane Transporting of Single Tetrahedral DNA Nanostructures. *Global Challenges*, **2020**, 4, 1900075	4.3	12
590	Catalytic Nucleic Acids for Bioanalysis.. *ACS Applied Bio Materials*, **2020**, 3, 2674-2685	4.1	7
589	An Organelle-Specific Nanozyme for Diabetes Care in Genetically or Diet-Induced Models. *Advanced Materials*, **2020**, 32, e2003708	24	35

588	Blood exposure to graphene oxide may cause anaphylactic death in non-human primates. *Nano Today*, **2020**, 35, 100922	17.9	16
587	Programmable Live-Cell CRISPR Imaging with Toehold-Switch-Mediated Strand Displacement. *Angewandte Chemie*, **2020**, 132, 20793-20799	3.6	5
586	Bioinspired DNA Nanointerface with Anisotropic Aptamers for Accurate Capture of Circulating Tumor Cells. *Advanced Science*, **2020**, 7, 2000647	13.6	15
585	A protein-independent fluorescent RNA aptamer reporter system for plant genetic engineering. *Nature Communications*, **2020**, 11, 3847	17.4	10
584	Programmable Live-Cell CRISPR Imaging with Toehold-Switch-Mediated Strand Displacement. *Angewandte Chemie - International Edition*, **2020**, 59, 20612-20618	16.4	19
583	DNA-Based Fabrication for Nanoelectronics. *Nano Letters*, **2020**, 20, 5604-5615	11.5	13
582	Label-Free and Three-Dimensional Visualization Reveals the Dynamics of Plasma Membrane-Derived Extracellular Vesicles. *Nano Letters*, **2020**, 20, 6313-6319	11.5	9
581	Expanding detection windows for discriminating single nucleotide variants using rationally designed DNA equalizer probes. *Nature Communications*, **2020**, 11, 5473	17.4	3
580	DNA Origami Nanostructures with Scaffolds Obtained from Rolling Circle Amplification **2020**, 2, 1322-1327		2
579	Circularized blocker-displacement amplification for multiplex detection of rare DNA variants. *Chemical Communications*, **2020**, 56, 12331-12334	5.8	4
578	DNA Framework-Supported Electrochemical Analysis of DNA Methylation for Prostate Cancers. *Nano Letters*, **2020**, 20, 7028-7035	11.5	9
577	Meta-DNA structures. *Nature Chemistry*, **2020**, 12, 1067-1075	17.6	41
576	Engineering DNA nanostructures for siRNA delivery in plants. *Nature Protocols*, **2020**, 15, 3064-3087	18.8	13
575	Extracellular vesicles engineered with valency-controlled DNA nanostructures deliver CRISPR/Cas9 system for gene therapy. *Nucleic Acids Research*, **2020**, 48, 8870-8882	20.1	39
574	DNA-Guided Room-Temperature Synthesis of Single-Crystalline Gold Nanostructures on Graphdiyne Substrates. *ACS Central Science*, **2020**, 6, 779-786	16.8	7
573	DNA Origami Radiometers for Measuring Ultraviolet Exposure. *Journal of the American Chemical Society*, **2020**, 142, 8782-8789	16.4	13
572	Programming Cell-Cell Communications with Engineered Cell Origami Clusters. *Journal of the American Chemical Society*, **2020**, 142, 8800-8808	16.4	50
571	DNA Nanoribbon-Templated Self-Assembly of Ultrasmall Fluorescent Copper Nanoclusters with Enhanced Luminescence. *Angewandte Chemie*, **2020**, 132, 11934-11942	3.6	5

570	DNA framework-engineered electrochemical biosensors. *Science China Life Sciences*, **2020**, 63, 1130-1141	8.5	8
569	Nucleic Acids Analysis. *Science China Chemistry*, **2020**, 64, 1-33	7.9	33
568	DNA nanostructure-encoded fluorescent barcodes. *Aggregate*, **2020**, 1, 107-116	22.9	4
567	Robust Biological Fibers Based on Widely Available Proteins: Facile Fabrication and Suturing Application. *Small*, **2020**, 16, e1907598	11	21
566	Theranostic Nanoplatform with Hydrogen Sulfide Activatable NIR Responsiveness for Imaging-Guided On-Demand Drug Release. *Angewandte Chemie*, **2019**, 131, 16982-16986	3.6	9
565	Nonlinear Regulation of Enzyme-Free DNA Circuitry with Ultrasensitive Switches. *ACS Synthetic Biology*, **2019**, 8, 2106-2112	5.7	9
564	Imaging Chladni Figure of Plasmonic Charge Density Wave in Real Space. *ACS Photonics*, **2019**, 6, 2685-2693	6.3	2
563	Quantizing single-molecule surface-enhanced Raman scattering with DNA origami metamolecules. *Science Advances*, **2019**, 5, eaau4506	14.3	67
562	Engineered Bacillus subtilis biofilms as living glues. *Materials Today*, **2019**, 28, 40-48	21.8	41
561	Quantitative Measurement of Spatial Effects of DNA Origami on Molecular Binding Reactions Detected using Atomic Force Microscopy. *ACS Applied Materials & Interfaces*, **2019**, 11, 21973-21981	9.5	5
560	An Intelligent DNA Nanorobot with Enhanced Protein Lysosomal Degradation of HER2. *Nano Letters*, **2019**, 19, 4505-4517	11.5	91
559	In situ terminus-regulated DNA hydrogelation for ultrasensitive on-chip microRNA assay. *Biosensors and Bioelectronics*, **2019**, 137, 263-270	11.8	17
558	Citrate-assisted efficient local delivery of naked oligonucleotide into live mouse brain cells. *Cell Proliferation*, **2019**, 52, e12622	7.9	2
557	Reprogramming of cancer invasiveness and macrophage education via a nanostructured antagonist of the TGF receptor. *Materials Horizons*, **2019**, 6, 1675-1681	14.4	11
556	Forum on Translational DNA Nanotechnology. *ACS Applied Materials & Interfaces*, **2019**, 11, 13833-13834	9.5	2
555	Programming Motions of DNA Origami Nanomachines. *Small*, **2019**, 15, e1900013	11	20
554	DNA nanostructures coordinate gene silencing in mature plants. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7543-7548	11.5	103
553	Visualizing mRNA in live mammalian cells. *Methods*, **2019**, 161, 16-23	4.6	6

552	Mechanical Stress-Dependent Autophagy Component Release via Extracellular Nanovesicles in Tumor Cells. *ACS Nano*, **2019**, 13, 4589-4602	16.7	22
551	Translocation of tetrahedral DNA nanostructures through a solid-state nanopore. *Nanoscale*, **2019**, 11, 6263-6269	7.7	10
550	Framework nucleic acids as programmable carrier for transdermal drug delivery. *Nature Communications*, **2019**, 10, 1147	17.4	106
549	Directing curli polymerization with DNA origami nucleators. *Nature Communications*, **2019**, 10, 1395	17.4	14
548	Virus-Mimicking Cell Capture Using Heterovalency Magnetic DNA Nanoclaws. *ACS Applied Materials & Interfaces*, **2019**, 11, 12244-12252	9.5	21
547	Chiral Metamolecules with Active Plasmonic Transition. *ACS Nano*, **2019**, 13, 4826-4833	16.7	39
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