Zhongqiang Yang

List of Publications by Citations

56 papers	1,520 citations	21 h-index	38 g-index
59 ext. papers	1,783 ext. citations	8.3 avg, IF	4.56 L-index

#	Paper	IF	Citations
56	Self-assembled DNA hydrogels with designable thermal and enzymatic responsiveness. *Advanced Materials*, **2011**, 23, 1117-21	24	284
55	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Host-Guest Supramolecular Systems. *Advanced Materials*, **2015**, 27, 3298-304	24	163
54	Shape-memory nanoparticles from inherently non-spherical polymer colloids. *Nature Materials*, **2005**, 4, 486-90	27	122
53	DNA-based switchable devices and materials. *NPG Asia Materials*, **2011**, 3, 109-114	10.3	96
52	Cuboid Vesicles Formed by Frame-Guided Assembly on DNA Origami Scaffolds. *Angewandte Chemie - International Edition*, **2017**, 56, 1586-1589	16.4	62
51	Reversibly tuning the mechanical properties of a DNA hydrogel by a DNA nanomotor. *Chemical Communications*, **2016**, 52, 10668-71	5.8	49
50	Thermal and UV shape shifting of surface topography. *Journal of the American Chemical Society*, **2006**, 128, 1074-5	16.4	49
49	Amphiphilic DNA-dendron hybrid: a new building block for functional assemblies. *Soft Matter*, **2011**, 7, 7187	3.6	46
48	Rapid Formation of a Supramolecular Polypeptide–DNA Hydrogel for In Situ Three-Dimensional Multilayer Bioprinting. *Angewandte Chemie*, **2015**, 127, 4029-4033	3.6	42
47	Remote Controlling DNA Hydrogel by Magnetic Field. *ACS Applied Materials & Interfaces*, **2017**, 9, 1995-2000	9.5	38
46	Spatiotemporally Controlled Release of Rho-Inhibiting C3 Toxin from a Protein-DNA Hybrid Hydrogel for Targeted Inhibition of Osteoclast Formation and Activity. *Advanced Healthcare Materials*, **2017**, 6, 1700392	10.1	38
45	Terminal PEGylated DNA-Gold Nanoparticle Conjugates Offering High Resistance to Nuclease Degradation and Efficient Intracellular Delivery of DNA Binding Agents. *ACS Applied Materials & Interfaces*, **2015**, 7, 18707-16	9.5	30
44	Heterogeneous nucleants for crystallogenesis and bioseparation. *Current Opinion in Chemical Engineering*, **2015**, 8, 69-75	5.4	29
43	A supramolecular hydrogel with identical cross-linking point density but distinctive rheological properties. *Materials Chemistry Frontiers*, **2017**, 1, 654-659	7.8	28
42	Design of Biomolecular Interfaces using Liquid Crystals Containing Oligomeric Ethylene Glycol. *Advanced Functional Materials*, **2010**, 20, 2098-2106	15.6	28
41	Folding DNA into a Lipid-Conjugated Nanobarrel for Controlled Reconstitution of Membrane Proteins. *Angewandte Chemie - International Edition*, **2018**, 57, 2072-2076	16.4	27
40	Stability study of tubular DNA origami in the presence of protein crystallisation buffer. *RSC Advances*, **2015**, 5, 58734-58737	3.7	24

39	A novel, label-free liquid crystal biosensor for Parkinson's disease related alpha-synuclein. *Chemical Communications*, **2020**, 56, 5441-5444	5.8	24
38	Using Small Molecules to Prepare Vesicles with Designable Shapes and Sizes via Frame-Guided Assembly Strategy. *Small*, **2015**, 11, 3768-71	11	24
37	Spontaneous formation of water droplets at oil-solid interfaces. *Langmuir*, **2010**, 26, 13797-804	4	23
36	A switchable DNA origami nanochannel for regulating molecular transport at the nanometer scale. *Nanoscale*, **2016**, 8, 3944-8	7.7	21
35	A brief review of methods for terminal functionalization of DNA. *Methods*, **2014**, 67, 116-22	4.6	20
34	Spatial regulation of synthetic and biological nanoparticles by DNA nanotechnology. *NPG Asia Materials*, **2015**, 7, e161-e161	10.3	18
33	DNA Origami as Seeds for Promoting Protein Crystallization. *ACS Applied Materials & Interfaces* , **2018**, 10, 44240-44246	9.5	17
32	Ultrafast, High-Contractile Electrothermal-Driven Liquid Crystal Elastomer Fibers towards Artificial Muscles. *Small*, **2021**, 17, e2103700	11	17
31	Preparation and Self-Assembly of Supramolecular Coil□Rod□Coil Triblock Copolymer PPO□dsDNA□PPO. *Macromolecules*, **2015**, 48, 7550-7556	5.5	15
30	Beyond displays: The recent progress of liquid crystals for bio/chemical detections. *Science Bulletin*, **2013**, 58, 2557-2562		15
29	Influence of Tetra(ethylene glycol) (EG4) Substitution at the Loop Region on the Intramolecular DNA i-Motif. *Macromolecules*, **2012**, 45, 2643-2647	5.5	15
28	Tetrahedron DNA dendrimers and their encapsulation of gold nanoparticles. *Bioorganic and Medicinal Chemistry*, **2014**, 22, 4391-4	3.4	14
27	The Assembly of DNA Amphiphiles at Liquid Crystal-Aqueous Interface. *Nanomaterials*, **2016**, 6,	5.4	13
26	Investigation of the Assembly Behavior of an Amphiphilic Lipopeptide at the Liquid Crystal-Aqueous Interface. *Langmuir*, **2019**, 35, 2490-2497	4	12
25	Folding DNA into a Lipid-Conjugated Nanobarrel for Controlled Reconstitution of Membrane Proteins. *Angewandte Chemie*, **2018**, 130, 2094-2098	3.6	11
24	Cuboid Vesicles Formed by Frame-Guided Assembly on DNA Origami Scaffolds. *Angewandte Chemie* , **2017**, 129, 1608-1611	3.6	10
23	Crystallisation via novel 3D nanotemplates as a tool for protein purification and bio-separation. *Journal of Crystal Growth*, **2017**, 469, 42-47	1.6	10
22	Liquid Crystal Elastomer Twist Fibers towards Rotating Microengines.. *Advanced Materials*, **2021**, e2107840	24	10

21	Bioinspired Construction of Artificial Cardiac Muscles Based on Liquid Crystal Elastomer Fibers. *Advanced Materials Technologies*,2100934	6.8	9
20	Investigating the Role of Glass and Quartz Substrates on the Formation of Interfacial Droplets. *Journal of Physical Chemistry C*, **2019**, 123, 1151-1159	3.8	9
19	Simple, rapid and sensitive detection of Parkinson's disease related alpha-synuclein using a DNA aptamer assisted liquid crystal biosensor. *Soft Matter*, **2021**, 17, 4842-4847	3.6	7
18	Preparation of anisotropic conductive graphene aerogel/polydimethylsiloxane composites as LEGO® modulars. *European Polymer Journal*, **2019**, 112, 487-492	5.2	6
17	Controlling the Accumulation of Water at Oil-Solid Interfaces with Gradient Coating. *Journal of Physical Chemistry B*, **2017**, 121, 6766-6772	3.4	6
16	Synergistic Effect of Graphene Oxide and Different Valence of Cations on Promoting Catalase Crystallization. *Crystal Growth and Design*, **2019**, 19, 2838-2844	3.5	5
15	Enhancement of Lysozyme Crystallization Using DNA as a Polymeric Additive. *Crystals*, **2019**, 9, 186	2.3	5
14	Improving the sensitivity for DNA sensing based on double-anchored DNA modified gold nanoparticles. *Science China Chemistry*, **2016**, 59, 765-769	7.9	5
13	A facile method for preparation of emulsion using the high gravity technique. *Journal of Colloid and Interface Science*, **2017**, 506, 120-125	9.3	4
12	Gravity on Crystallization of Lysozyme: Slower or Faster?. *Crystal Growth and Design*, **2019**, 19, 7402-7410	3.5	3
11	An Overview of Self-Assembly and Morphological Regulation of Amphiphilic DNA Organic Hybrids. *Chinese Journal of Chemistry*, **2015**, 33, 511-516	4.9	3
10	Spatially arranging interfacial droplets at the oil-solid interface. *Soft Matter*, **2020**, 16, 107-113	3.6	3
9	Protein crystal occurrence domains in selective protein crystallisation for bio-separation. *CrystEngComm*, **2020**, 22, 4566-4572	3.3	3
8	The Integration of Sensing and Actuating based on a Simple Design Fiber Actuator towards Intelligent Soft Robots. *Advanced Materials Technologies*,2101260	6.8	2
7	The growth and shrinkage of water droplets at the oil-solid interface. *Journal of Colloid and Interface Science*, **2021**, 584, 738-748	9.3	2
6	Simple and Rapid Detection of Ibuprofen-A Typical Pharmaceuticals and Personal Care Products-by a Liquid Crystal Aptasensor.. *Langmuir*, **2021**,	4	2
5	Modified Voronoi Analysis of Spontaneous Formation of Interfacial Droplets on Immersed Oil-Solid Substrates. *Langmuir*, **2020**, 36, 5400-5407	4	1
4	Drug Delivery: Efficient, pH-Triggered Drug Delivery Using a pH-Responsive DNA-Conjugated Gold Nanoparticle (Adv. Healthcare Mater. 2/2013). *Advanced Healthcare Materials*, **2013**, 2, 380-380	10.1	1

3	DNA-Modified Liquid Crystal Droplets. *Biosensors*, **2022**, 12, 275	5.9	0
2	DNA Hydrogels: A Writable Polypeptide–DNA Hydrogel with Rationally Designed Multi-modification Sites (Small 9-10/2015). *Small*, **2015**, 11, 1224-1224	11	
1	DNA HYDROGELS: Self-Assembled DNA Hydrogels with Designable Thermal and Enzymatic Responsiveness (Adv. Mater. 9/2011). *Advanced Materials*, **2011**, 23, 1116-1116	24	