

# Zhongqiang Yang

## 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.

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	DNA-Modified Liquid Crystal Droplets. <i>Biosensors</i> , <b>2022</b> , 12, 275	5.9	0
55	Liquid Crystal Elastomer Twist Fibers towards Rotating Microengines.. <i>Advanced Materials</i> , <b>2021</b> , e2107840	8.4	10
54	The growth and shrinkage of water droplets at the oil-solid interface. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 584, 738-748	9.3	2
53	Simple, rapid and sensitive detection of Parkinson's disease related alpha-synuclein using a DNA aptamer assisted liquid crystal biosensor. <i>Soft Matter</i> , <b>2021</b> , 17, 4842-4847	3.6	7
52	Ultrafast, High-Contractile Electrothermal-Driven Liquid Crystal Elastomer Fibers towards Artificial Muscles. <i>Small</i> , <b>2021</b> , 17, e2103700	11	17
51	Simple and Rapid Detection of Ibuprofen-A Typical Pharmaceuticals and Personal Care Products-by a Liquid Crystal Aptasensor.. <i>Langmuir</i> , <b>2021</b> ,	4	2
50	A novel, label-free liquid crystal biosensor for Parkinson's disease related alpha-synuclein. <i>Chemical Communications</i> , <b>2020</b> , 56, 5441-5444	5.8	24
49	Modified Voronoi Analysis of Spontaneous Formation of Interfacial Droplets on Immersed Oil-Solid Substrates. <i>Langmuir</i> , <b>2020</b> , 36, 5400-5407	4	1
48	Spatially arranging interfacial droplets at the oil-solid interface. <i>Soft Matter</i> , <b>2020</b> , 16, 107-113	3.6	3
47	Protein crystal occurrence domains in selective protein crystallisation for bio-separation. <i>CrystEngComm</i> , <b>2020</b> , 22, 4566-4572	3.3	3
46	Preparation of anisotropic conductive graphene aerogel/polydimethylsiloxane composites as LEGO <sup>®</sup> modulars. <i>European Polymer Journal</i> , <b>2019</b> , 112, 487-492	5.2	6
45	Investigation of the Assembly Behavior of an Amphiphilic Lipopeptide at the Liquid Crystal-Aqueous Interface. <i>Langmuir</i> , <b>2019</b> , 35, 2490-2497	4	12
44	Synergistic Effect of Graphene Oxide and Different Valence of Cations on Promoting Catalase Crystallization. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 2838-2844	3.5	5
43	Enhancement of Lysozyme Crystallization Using DNA as a Polymeric Additive. <i>Crystals</i> , <b>2019</b> , 9, 186	2.3	5
42	Gravity on Crystallization of Lysozyme: Slower or Faster?. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 7402-7410	3.5	3
41	Investigating the Role of Glass and Quartz Substrates on the Formation of Interfacial Droplets. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 1151-1159	3.8	9
40	Folding DNA into a Lipid-Conjugated Nanobarrel for Controlled Reconstitution of Membrane Proteins. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2094-2098	3.6	11

39	Folding DNA into a Lipid-Conjugated Nanobarrel for Controlled Reconstitution of Membrane Proteins. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2072-2076	16.4	27
38	DNA Origami as Seeds for Promoting Protein Crystallization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44240-44246	9.5	17
37	Remote Controlling DNA Hydrogel by Magnetic Field. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1995-2000	9.5	38
36	Cuboid Vesicles Formed by Frame-Guided Assembly on DNA Origami Scaffolds. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1586-1589	16.4	62
35	Cuboid Vesicles Formed by Frame-Guided Assembly on DNA Origami Scaffolds. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1608-1611	3.6	10
34	Spatiotemporally Controlled Release of Rho-Inhibiting C3 Toxin from a Protein-DNA Hybrid Hydrogel for Targeted Inhibition of Osteoclast Formation and Activity. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700392	10.1	38
33	Controlling the Accumulation of Water at Oil-Solid Interfaces with Gradient Coating. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6766-6772	3.4	6
32	A facile method for preparation of emulsion using the high gravity technique. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 506, 120-125	9.3	4
31	A supramolecular hydrogel with identical cross-linking point density but distinctive rheological properties. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 654-659	7.8	28
30	Crystallisation via novel 3D nanotemplates as a tool for protein purification and bio-separation. <i>Journal of Crystal Growth</i> , <b>2017</b> , 469, 42-47	1.6	10
29	Reversibly tuning the mechanical properties of a DNA hydrogel by a DNA nanomotor. <i>Chemical Communications</i> , <b>2016</b> , 52, 10668-71	5.8	49
28	Improving the sensitivity for DNA sensing based on double-anchored DNA modified gold nanoparticles. <i>Science China Chemistry</i> , <b>2016</b> , 59, 765-769	7.9	5
27	A switchable DNA origami nanochannel for regulating molecular transport at the nanometer scale. <i>Nanoscale</i> , <b>2016</b> , 8, 3944-8	7.7	21
26	The Assembly of DNA Amphiphiles at Liquid Crystal-Aqueous Interface. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	13
25	Terminal PEGylated DNA-Gold Nanoparticle Conjugates Offering High Resistance to Nuclease Degradation and Efficient Intracellular Delivery of DNA Binding Agents. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18707-16	9.5	30
24	Stability study of tubular DNA origami in the presence of protein crystallisation buffer. <i>RSC Advances</i> , <b>2015</b> , 5, 58734-58737	3.7	24
23	Preparation and Self-Assembly of Supramolecular Coil-Rod-Coil Triblock Copolymer PPO-b-DNA-b-PO. <i>Macromolecules</i> , <b>2015</b> , 48, 7550-7556	5.5	15
22	Heterogeneous nucleants for crystallogenesis and bioseparation. <i>Current Opinion in Chemical Engineering</i> , <b>2015</b> , 8, 69-75	5.4	29

21	Responsive Double Network Hydrogels of Interpenetrating DNA and CB[8] Host-Guest Supramolecular Systems. <i>Advanced Materials</i> , <b>2015</b> , 27, 3298-304	24	163
20	An Overview of Self-Assembly and Morphological Regulation of Amphiphilic DNA Organic Hybrids. <i>Chinese Journal of Chemistry</i> , <b>2015</b> , 33, 511-516	4-9	3
19	Rapid Formation of a Supramolecular Polypeptide-DNA Hydrogel for In Situ Three-Dimensional Multilayer Bioprinting. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4029-4033	3.6	42
18	Using Small Molecules to Prepare Vesicles with Designable Shapes and Sizes via Frame-Guided Assembly Strategy. <i>Small</i> , <b>2015</b> , 11, 3768-71	11	24
17	Spatial regulation of synthetic and biological nanoparticles by DNA nanotechnology. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e161-e161	10.3	18
16	DNA Hydrogels: A Writable Polypeptide-DNA Hydrogel with Rationally Designed Multi-modification Sites (Small 9-10/2015). <i>Small</i> , <b>2015</b> , 11, 1224-1224	11	
15	Tetrahedron DNA dendrimers and their encapsulation of gold nanoparticles. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 4391-4	3-4	14
14	A brief review of methods for terminal functionalization of DNA. <i>Methods</i> , <b>2014</b> , 67, 116-22	4.6	20
13	Beyond displays: The recent progress of liquid crystals for bio/chemical detections. <i>Science Bulletin</i> , <b>2013</b> , 58, 2557-2562		15
12	Drug Delivery: Efficient, pH-Triggered Drug Delivery Using a pH-Responsive DNA-Conjugated Gold Nanoparticle (Adv. Healthcare Mater. 2/2013). <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 380-380	10.1	1
11	Influence of Tetra(ethylene glycol) (EG4) Substitution at the Loop Region on the Intramolecular DNA i-Motif. <i>Macromolecules</i> , <b>2012</b> , 45, 2643-2647	5.5	15
10	Self-assembled DNA hydrogels with designable thermal and enzymatic responsiveness. <i>Advanced Materials</i> , <b>2011</b> , 23, 1117-21	24	284
9	DNA HYDROGELS: Self-Assembled DNA Hydrogels with Designable Thermal and Enzymatic Responsiveness (Adv. Mater. 9/2011). <i>Advanced Materials</i> , <b>2011</b> , 23, 1116-1116	24	
8	Amphiphilic DNA-dendron hybrid: a new building block for functional assemblies. <i>Soft Matter</i> , <b>2011</b> , 7, 7187	3.6	46
7	DNA-based switchable devices and materials. <i>NPG Asia Materials</i> , <b>2011</b> , 3, 109-114	10.3	96
6	Spontaneous formation of water droplets at oil-solid interfaces. <i>Langmuir</i> , <b>2010</b> , 26, 13797-804	4	23
5	Design of Biomolecular Interfaces using Liquid Crystals Containing Oligomeric Ethylene Glycol. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2098-2106	15.6	28
4	Thermal and UV shape shifting of surface topography. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1074-5	16.4	49

3	Shape-memory nanoparticles from inherently non-spherical polymer colloids. <i>Nature Materials</i> , <b>2005</b> , 4, 486-90	27	122
2	The Integration of Sensing and Actuating based on a Simple Design Fiber Actuator towards Intelligent Soft Robots. <i>Advanced Materials Technologies</i> ,2101260	6.8	2
1	Bioinspired Construction of Artificial Cardiac Muscles Based on Liquid Crystal Elastomer Fibers. <i>Advanced Materials Technologies</i> ,2100934	6.8	9