

# Yubing Guo

## List of Publications by Year in descending order

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29  
papers

1,299  
citations

430874

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477307

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30  
all docs

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docs citations

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times ranked

1197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-Dimensional Printing of Liquid Crystal Elastomers and Their Applications. ACS Applied Polymer Materials, 2022, 4, 3153-3168.	4.4	20
2	Liquid Crystal Elastomer-Based Magnetic Composite Films for Reconfigurable Shape-Morphing Soft Miniature Machines. Advanced Materials, 2021, 33, e2006191.	21.0	101
3	Wirelessly Actuated Thermo- and Magneto-Responsive Soft Bimorph Materials with Programmable Shape-Morphing. Advanced Materials, 2021, 33, e2100336.	21.0	60
4	Photopatterned Designer Disclination Networks in Nematic Liquid Crystals. Advanced Optical Materials, 2021, 9, 2100181.	7.3	21
5	Liquid-Crystal-Elastomer-Actuated Reconfigurable Microscale Kirigami Metastructures. Advanced Materials, 2021, 33, e2008605.	21.0	48
6	3D Microstructures of Liquid Crystal Networks with Programmed Voxelated Director Fields. Advanced Materials, 2020, 32, e2002753.	21.0	58
7	Controlled Dynamics of Neural Tumor Cells by Templated Liquid Crystalline Polymer Networks. Advanced Healthcare Materials, 2020, 9, e2000487.	7.6	17
8	Microscale Polarization Color Pixels from Liquid Crystal Elastomers. Advanced Optical Materials, 2020, 8, 1902098.	7.3	29
9	Self-Assembly of Aqueous Soft Matter Patterned by Liquid-Crystal Polymer Networks for Controlling the Dynamics of Bacteria. ACS Applied Materials & Interfaces, 2020, 12, 13680-13685.	8.0	20
10	Photopatterning DNA Structures with Topological Defects and Arbitrary Patterns Through Multiple Length Scales. Physical Review Applied, 2020, 13, .	3.8	8
11	Plasmonic Metasurfaces with High UV-Vis Transmittance for Photopatterning of Designer Molecular Orientations. Advanced Optical Materials, 2019, 7, 1900117.	7.3	17
12	Low-Order Diffraction-Limited Pancharatnam-Berry Microlenses Enabled by Plasmonic Photopatterning of Liquid Crystal Polymers. Advanced Materials, 2019, 31, e1808028.	21.0	42
13	Monolithic shape-programmable dielectric liquid crystal elastomer actuators. Science Advances, 2019, 5, eaay0855.	10.3	126
14	Liquid crystal Pancharatnam-Berry optical elements. , 2019, , .		4
15	Liquid crystal elastomer coatings with programmed response of surface profile. Nature Communications, 2018, 9, 456.	12.8	114
16	Liquid Crystal Pancharatnam-Berry Micro-Optical Elements for Laser Beam Shaping. Advanced Optical Materials, 2018, 6, 1800961.	7.3	36
17	Sorting and separation of microparticles by surface properties using liquid crystal-enabled electro-osmosis. Liquid Crystals, 2018, 45, 1936-1943.	2.2	22
18	Patterning of Lyotropic Chromonic Liquid Crystals by Photoalignment with Photonic Metamasks. Advanced Materials, 2017, 29, 1606112.	21.0	48

#	ARTICLE	IF	CITATIONS
19	Controlling placement of nonspherical (boomerang) colloids in nematic cells with photopatterned director. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 014005.	1.8	17
20	Designs of Plasmonic Metamasks for Photopatterning Molecular Orientations in Liquid Crystals. <i>Crystals</i> , 2017, 7, 8.	2.2	28
21	High-Resolution and High-Throughput Plasmonic Photopatterning of Complex Molecular Orientations in Liquid Crystals. <i>Advanced Materials</i> , 2016, 28, 2353-2358.	21.0	132
22	Plasmonic Photopatterning: High-Resolution and High-Throughput Plasmonic Photopatterning of Complex Molecular Orientations in Liquid Crystals (Adv. Mater. 12/2016). <i>Advanced Materials</i> , 2016, 28, 2352-2352.	21.0	3
23	Correction: Cholesteric liquid crystals in rectangular microchannels: skyrmions and stripes. <i>Soft Matter</i> , 2016, 12, 6496-6496.	2.7	3
24	Command of active matter by topological defects and patterns. <i>Science</i> , 2016, 354, 882-885.	12.6	172
25	Control of colloidal placement by modulated molecular orientation in nematic cells. <i>Science Advances</i> , 2016, 2, e1600932.	10.3	53
26	Cholesteric liquid crystals in rectangular microchannels: skyrmions and stripes. <i>Soft Matter</i> , 2016, 12, 6312-6320.	2.7	47
27	Liquid crystals with patterned molecular orientation as an electrolytic active medium. <i>Physical Review E</i> , 2015, 92, 052502.	2.1	49
28	Photorefractive effects in ZnO nanorod doped liquid crystal cell. <i>Applied Optics</i> , 2011, 50, 1101.	2.1	1
29	Voltage threshold behaviors of ZnO nanorod doped liquid crystal cell. <i>Journal of Semiconductors</i> , 2011, 32, 102003.	3.7	2