

Yubing Guo

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,299
citations

430874

18
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Command of active matter by topological defects and patterns. <i>Science</i> , 2016, 354, 882-885.	12.6	172
2	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
3	Monolithic shape-programmable dielectric liquid crystal elastomer actuators. <i>Science Advances</i> , 2019, 5, eaay0855.	10.3	126
4	Liquid crystal elastomer coatings with programmed response of surface profile. <i>Nature Communications</i> , 2018, 9, 456.	12.8	114
5	Liquid Crystal Elastomer-Based Magnetic Composite Films for Reconfigurable Shape-Morphing Soft Miniature Machines. <i>Advanced Materials</i> , 2021, 33, e2006191.	21.0	101
6	Wirelessly Actuated Thermo- and Magneto-Responsive Soft Bimorph Materials with Programmable Shape-Morphing. <i>Advanced Materials</i> , 2021, 33, e2100336.	21.0	60
7	3D Microstructures of Liquid Crystal Networks with Programmed Voxelated Director Fields. <i>Advanced Materials</i> , 2020, 32, e2002753.	21.0	58
8	Control of colloidal placement by modulated molecular orientation in nematic cells. <i>Science Advances</i> , 2016, 2, e1600932.	10.3	53
9	Liquid crystals with patterned molecular orientation as an electrolytic active medium. <i>Physical Review E</i> , 2015, 92, 052502.	2.1	49
10	Patterning of Lyotropic Chromonic Liquid Crystals by Photoalignment with Photonic Metamasks. <i>Advanced Materials</i> , 2017, 29, 1606112.	21.0	48
11	Liquid-Crystal-Elastomer-Actuated Reconfigurable Microscale Kirigami Metastructures. <i>Advanced Materials</i> , 2021, 33, e2008605.	21.0	48
12	Cholesteric liquid crystals in rectangular microchannels: skyrmions and stripes. <i>Soft Matter</i> , 2016, 12, 6312-6320.	2.7	47
13	Low-Number Diffraction-Limited Pancharatnam-Berry Microlenses Enabled by Plasmonic Photopatterning of Liquid Crystal Polymers. <i>Advanced Materials</i> , 2019, 31, e1808028.	21.0	42
14	Liquid Crystal Pancharatnam-Berry Micro-Optical Elements for Laser Beam Shaping. <i>Advanced Optical Materials</i> , 2018, 6, 1800961.	7.3	36
15	Microscale Polarization Color Pixels from Liquid Crystal Elastomers. <i>Advanced Optical Materials</i> , 2020, 8, 1902098.	7.3	29
16	Designs of Plasmonic Metamasks for Photopatterning Molecular Orientations in Liquid Crystals. <i>Crystals</i> , 2017, 7, 8.	2.2	28
17	Sorting and separation of microparticles by surface properties using liquid crystal-enabled electro-osmosis. <i>Liquid Crystals</i> , 2018, 45, 1936-1943.	2.2	22
18	Photopatterned Designer Disclination Networks in Nematic Liquid Crystals. <i>Advanced Optical Materials</i> , 2021, 9, 2100181.	7.3	21

#	ARTICLE	IF	CITATIONS
19	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
20	Three-Dimensional Printing of Liquid Crystal Elastomers and Their Applications. ACS Applied Polymer Materials, 2022, 4, 3153-3168.	4.4	20
21	Controlling placement of nonspherical (boomerang) colloids in nematic cells with photopatterned director. Journal of Physics Condensed Matter, 2017, 29, 014005.	1.8	17
22	Plasmonic Metasurfaces with High UV-Vis Transmittance for Photopatterning of Designer Molecular Orientations. Advanced Optical Materials, 2019, 7, 1900117.	7.3	17
23	Controlled Dynamics of Neural Tumor Cells by Templated Liquid Crystalline Polymer Networks. Advanced Healthcare Materials, 2020, 9, e2000487.	7.6	17
24	Photopatterning DNA Structures with Topological Defects and Arbitrary Patterns Through Multiple Length Scales. Physical Review Applied, 2020, 13, .	3.8	8
25	Liquid crystal Pancharatnam-Berry optical elements. , 2019, , .		4
26	Plasmonic Photopatterning: High-Resolution and High-Throughput Plasmonic Photopatterning of Complex Molecular Orientations in Liquid Crystals (Adv. Mater. 12/2016). Advanced Materials, 2016, 28, 2352-2352.	21.0	3
27	Correction: Cholesteric liquid crystals in rectangular microchannels: skyrmions and stripes. Soft Matter, 2016, 12, 6496-6496.	2.7	3
28	Voltage threshold behaviors of ZnO nanorod doped liquid crystal cell. Journal of Semiconductors, 2011, 32, 102003.	3.7	2
29	Photorefractive effects in ZnO nanorod doped liquid crystal cell. Applied Optics, 2011, 50, 1101.	2.1	1