Jie Sun

List of Publications by Year
in descending order

30 papers	862 citations	516710 16 h-index	552781 26 g-index
31 all docs	31 docs citations	31 times ranked	767 citing authors

#	Article	IF	Citations
1	A low voltage submillisecond-response polymer network liquid crystal spatial light modulator. Applied Physics Letters, 2014, 104, .	3.3	34
2	Pâ€124: Submillisecondâ€Response Polymer Network Liquid Crystal for Nextâ€Generation Spatial Light Modulators. Digest of Technical Papers SID International Symposium, 2014, 45, 1449-1452.	0.3	1
3	Recent advances in polymer network liquid crystal spatial light modulators. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 183-192.	2.1	82
4	Fast-Response Liquid Crystal Microlens. Micromachines, 2014, 5, 300-324.	2.9	67
5	Submillisecond-response IR spatial light modulators with polymer network liquid crystal. Proceedings of SPIE, 2013, , .	0.8	0
6	P.1:Distinguished Student Poster Paper: Submillisecond-response Polymer Network Liquid Crystal Cylindrical Microlens Array for 3D Displays. Digest of Technical Papers SID International Symposium, 2013, 44, 989-992.	0.3	1
7	Reconfigurable fabrication of scattering-free polymer network liquid crystal prism/grating/lens. Applied Physics Letters, 2013, 102, 161106.	3.3	50
8	SUB-MILLISECOND RESPONSE LIQUID CRYSTALS FOR DISPLAY AND PHOTONICS DEVICES. , 2013, , 509-527.		0
9	Polarization independent VOA based on dielectrically stretched liquid crystal droplet. Optics Express, 2012, 20, 17059.	3.4	21
10	Submillisecond-response and scattering-free infrared liquid crystal phase modulators. Optics Express, 2012, 20, 20124.	3.4	50
11	Submillisecond-Response Sheared Polymer Network Liquid Crystals for Display Applications. Journal of Display Technology, 2012, 8, 87-90.	1.2	22
12	4.3: Frequency Effects on Polymerâ€Stabilized Blueâ€Phase Liquid Crystals. Digest of Technical Papers SID International Symposium, 2012, 43, 22-24.	0.3	2
13	10.1: A Microsecondâ€Response Blue Phase Liquid Crystal Device. Digest of Technical Papers SID International Symposium, 2012, 43, 98-101.	0.3	1
14	High Birefringence Fluoro-Terphenyls for Thin-Cell-Gap TFT-LCDs. Journal of Display Technology, 2011, 7, 478-481.	1.2	16
15	Low absorption liquid crystals for mid-wave infrared applications. Optics Express, 2011, 19, 10843.	3.4	48
16	Pâ€153: High Birefringence Fluoroâ€terphenyls for Thinâ€cellâ€gap LCDs. Digest of Technical Papers SID International Symposium, 2011, 42, 1681-1683.	0.3	0
17	8.2: Submillisecond Response Sheared Polymer Network Liquid Crystals for 3D Displays. Digest of Technical Papers SID International Symposium, 2011, 42, 86-89.	0.3	0
18	A microsecond-response polymer-stabilized blue phase liquid crystal. Applied Physics Letters, 2011, 99, .	3.3	107

#	Article	IF	Citations
19	Submillisecond-response polymer network liquid crystal phase modulators at 1.06-Î¼m wavelength. Applied Physics Letters, 2011, 99, .	3.3	32
20	Dielectric dispersion on the Kerr constant of blue phase liquid crystals. Applied Physics Letters, 2011, 99, .	3.3	34
21	Pâ€132: High Birefringence Dualâ€frequency Liquid Crystals. Digest of Technical Papers SID International Symposium, 2010, 41, 1758-1761.	0.3	1
22	Fabrication of Centimeter-Sized Single-Domain Two-Dimensional Colloidal Crystals in a Wedge-Shaped Cell under Capillary Forces. Langmuir, 2010, 26, 7859-7864.	3.5	79
23	High performance dual frequency liquid crystal compounds and mixture for operation at elevated temperature. Liquid Crystals, 2010, 37, 1493-1499.	2.2	14
24	Diluters' effects on high Î”n and low-viscosity negative Î”Îµ terphenyl liquid crystals. Liquid Crystals, 2009, 36, 865-872.	2.2	8
25	High birefringence phenyl tolane positive compounds for dual frequency liquid crystals. Liquid Crystals, 2009, 36, 1401-1408.	2.2	31
26	66.2: Effects of Diluters on High Î”n and Low Viscosity Negative Î”Îµ Liquid Crystals. Digest of Technical Papers SID International Symposium, 2009, 40, 996-999.	0.3	1
27	Surface plasmon sensor with gold film deposited on a two-dimensional colloidal crystal. Applied Physics A: Materials Science and Processing, 2008, 92, 291-294.	2.3	25
28	Fabrication and Lightâ€Transmission Properties of Monolayer Square Symmetric Colloidal Crystals via Controlled Convective Selfâ€assembly on 1D Grooves. Advanced Materials, 2008, 20, 123-128.	21.0	28
29	Controlled Strain on a Double-Templated Textured Polymer Film:â€‰ a New Approach to Patterned Surfaces with Bravais Lattices and Chains. Langmuir, 2006, 22, 7248-7253.	3.5	11
30	The Anomalous Infrared Transmission of Gold Films on Two-Dimensional Colloidal Crystals. Advanced Materials, 2006, 18, 1612-1616.	21.0	96