

Jie Sun

List of Publications by Year in descending order

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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 microsecond-response polymer-stabilized blue phase liquid crystal. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	107
2	The Anomalous Infrared Transmission of Gold Films on Two-Dimensional Colloidal Crystals. <i>Advanced Materials</i> , 2006, 18, 1612-1616.	21.0	96
3	Recent advances in polymer network liquid crystal spatial light modulators. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 183-192.	2.1	82
4	Fabrication of Centimeter-Sized Single-Domain Two-Dimensional Colloidal Crystals in a Wedge-Shaped Cell under Capillary Forces. <i>Langmuir</i> , 2010, 26, 7859-7864.	3.5	79
5	Fast-Response Liquid Crystal Microlens. <i>Micromachines</i> , 2014, 5, 300-324.	2.9	67
6	Submillisecond-response and scattering-free infrared liquid crystal phase modulators. <i>Optics Express</i> , 2012, 20, 20124.	3.4	50
7	Reconfigurable fabrication of scattering-free polymer network liquid crystal prism/grating/lens. <i>Applied Physics Letters</i> , 2013, 102, 161106.	3.3	50
8	Low absorption liquid crystals for mid-wave infrared applications. <i>Optics Express</i> , 2011, 19, 10843.	3.4	48
9	Dielectric dispersion on the Kerr constant of blue phase liquid crystals. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	34
10	A low voltage submillisecond-response polymer network liquid crystal spatial light modulator. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	34
11	Submillisecond-response polymer network liquid crystal phase modulators at 1.06- μm wavelength. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	32
12	High birefringence phenyl tolane positive compounds for dual frequency liquid crystals. <i>Liquid Crystals</i> , 2009, 36, 1401-1408.	2.2	31
13	Fabrication and Light Transmission Properties of Monolayer Square Symmetric Colloidal Crystals via Controlled Convective Self-assembly on 1D Grooves. <i>Advanced Materials</i> , 2008, 20, 123-128.	21.0	28
14	Surface plasmon sensor with gold film deposited on a two-dimensional colloidal crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 291-294.	2.3	25
15	Submillisecond-Response Sheared Polymer Network Liquid Crystals for Display Applications. <i>Journal of Display Technology</i> , 2012, 8, 87-90.	1.2	22
16	Polarization independent VOA based on dielectrically stretched liquid crystal droplet. <i>Optics Express</i> , 2012, 20, 17059.	3.4	21
17	High Birefringence Fluoro-Terphenyls for Thin-Cell-Gap TFT-LCDs. <i>Journal of Display Technology</i> , 2011, 7, 478-481.	1.2	16
18	High performance dual frequency liquid crystal compounds and mixture for operation at elevated temperature. <i>Liquid Crystals</i> , 2010, 37, 1493-1499.	2.2	14

#	ARTICLE	IF	CITATIONS
19	Controlled Strain on a Double-Templated Textured Polymer Film: a New Approach to Patterned Surfaces with Bravais Lattices and Chains. <i>Langmuir</i> , 2006, 22, 7248-7253.	3.5	11
20	Diluters' effects on high \hat{n} and low-viscosity negative $\hat{\mu}$ terphenyl liquid crystals. <i>Liquid Crystals</i> , 2009, 36, 865-872.	2.2	8
21	4.3: Frequency Effects on Polymer-Stabilized Blue-Phase Liquid Crystals. <i>Digest of Technical Papers SID International Symposium</i> , 2012, 43, 22-24.	0.3	2
22	66.2: Effects of Diluters on High \hat{n} and Low Viscosity Negative $\hat{\mu}$ Liquid Crystals. <i>Digest of Technical Papers SID International Symposium</i> , 2009, 40, 996-999.	0.3	1
23	P432: High Birefringence Dual-Frequency Liquid Crystals. <i>Digest of Technical Papers SID International Symposium</i> , 2010, 41, 1758-1761.	0.3	1
24	10.1: A Microsecond-Response Blue Phase Liquid Crystal Device. <i>Digest of Technical Papers SID International Symposium</i> , 2012, 43, 98-101.	0.3	1
25	P.1: Distinguished Student Poster Paper: Submillisecond-response Polymer Network Liquid Crystal Cylindrical Microlens Array for 3D Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2013, 44, 989-992.	0.3	1
26	P424: Submillisecond-Response Polymer Network Liquid Crystal for Next-Generation Spatial Light Modulators. <i>Digest of Technical Papers SID International Symposium</i> , 2014, 45, 1449-1452.	0.3	1
27	P453: High Birefringence Fluoro-terphenyls for Thin-cell-gap LCDs. <i>Digest of Technical Papers SID International Symposium</i> , 2011, 42, 1681-1683.	0.3	0
28	8.2: Submillisecond Response Sheared Polymer Network Liquid Crystals for 3D Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2011, 42, 86-89.	0.3	0
29	Submillisecond-response IR spatial light modulators with polymer network liquid crystal. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
30	SUB-MILLISECOND RESPONSE LIQUID CRYSTALS FOR DISPLAY AND PHOTONICS DEVICES. , 2013, , 509-527.		0