Xinyu Zhu

List of Publications by Year in descending order

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37	1,025	623734	454955
papers	citations	14 h-index	30 g-index

37	37	37	441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlations between liquid crystal director reorientation and optical response time of a homeotropic cell. Journal of Applied Physics, 2004, 95, 5502-5508.	2.5	125
2	Transflective Liquid Crystal Displays. Journal of Display Technology, 2005, 1, 15-29.	1.2	118
3	Analytical Solutions for Uniaxial-Film-Compensated Wide-View Liquid Crystal Displays. Journal of Display Technology, 2006, 2, 2-20.	1.2	118
4	Fast Switching Liquid Crystals for Color-Sequential LCDs. Journal of Display Technology, 2007, 3, 250-252.	1.2	114
5	Reflective liquid-crystal displays with asymmetric incident and exit angles. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 966.	1.5	69
6	Extraordinarily high-contrast and wide-view liquid-crystal displays. Applied Physics Letters, 2005, 86, 121107.	3.3	67
7	Ultrawide-View Liquid Crystal Displays. Journal of Display Technology, 2005, 1, 3-14.	1.2	64
8	High ambient-contrast-ratio display using tandem reflective liquid crystal display and organic light-emitting device. Optics Express, 2005, 13, 9431.	3.4	61
9	Novel Color-Sequential Transflective Liquid Crystal Displays. Journal of Display Technology, 2007, 3, 2-8.	1.2	50
10	High Transmittance In-Plane Switching Liquid Crystal Displays. Journal of Display Technology, 2006, 2, 114-120.	1.2	32
11	Comprehensive Three-Dimensional Dynamic Modeling of Liquid Crystal Devices Using Finite Element Method. Journal of Display Technology, 2005, 1, 194-206.	1.2	30
12	Optimal rubbing angle for reflective in-plane-switching liquid crystal displays. Applied Physics Letters, 2002, 81, 4907-4909.	3.3	27
13	Transflective liquid crystal display using commonly biased reflectors. Applied Physics Letters, 2007, 90, 221111.	3.3	27
14	28.2: Super Wide View In-Plane Switching LCD with Positive and Negative Uniaxial A-Films Compensation. Digest of Technical Papers SID International Symposium, 2005, 36, 1164.	0.3	21
15	Eigenmodes of a reflective twisted-nematic liquid-crystal cell. Journal of Applied Physics, 2003, 94, 2868-2873.	2.5	14
16	A Transflective Liquid Crystal Display Using an Internal Wire Grid Polarizer. Journal of Display Technology, 2006, 2, 102-105.	1.2	14
17	Reflective in-plane switching liquid crystal displays. Journal of Applied Physics, 2003, 93, 3920-3925.	2.5	11
18	High-transmittance in-plane-switching liquid-crystal displays using a positive-dielectric-anisotropy liquid crystal. Journal of the Society for Information Display, 2006, 14, 1031.	2.1	10

#	Article	IF	Citations
19	Switchable transmissive and reflective liquidâ€crystal display using a multiâ€domain vertical alignment. Journal of the Society for Information Display, 2009, 17, 561-566.	2.1	9
20	Twist angle effects on the dynamic response of in-plane-switching liquid crystal displays. Applied Physics Letters, 2006, 89, 041110.	3.3	8
21	Full-color transflective cholesteric LCD with image-enhanced reflector. Journal of the Society for Information Display, 2004, 12, 417.	2.1	7
22	A Single-Cell-Gap Transflective Liquid Crystal Display With Complementary Common Electrodes and Reflectors. Journal of Display Technology, 2007, 3, 247-249.	1.2	6
23	Normally black reflective twisted-nematic cell for microdisplay application. Journal of Applied Physics, 2004, 95, 7660-7664.	2.5	4
24	67.1:Invited Paper: Hybrid Transflective Displays using Vertically Integrated Transparent OLED and Reflective LCD. Digest of Technical Papers SID International Symposium, 2007, 38, 1810-1812.	0.3	4
25	7.2: Tandem OLED and Reflective LCD with a Microlens Array. Digest of Technical Papers SID International Symposium, 2006, 37, 68.	0.3	3
26	P-96: Design of Liquid Crystal Displays with 10000: 1 Contrast Ratio over Â±85Â° Viewing Cone. Digest of Technical Papers SID International Symposium, 2005, 36, 658.	0.3	2
27	35.1: Eliminating Fringing Field Effects of Vertically Aligned Liquid-Crystal-on-Silicon by Using Circularly Polarized Light. Digest of Technical Papers SID International Symposium, 2005, 36, 1290.	0.3	2
28	15.3: Analytical Solutions for the Wide-View LCDs with Uniaxial-Film Compensation. Digest of Technical Papers SID International Symposium, 2006, 37, 1071.	0.3	2
29	P-157: A Single Cell-Gap Transflective VA LCD using Positive Liquid Crystal Materials. Digest of Technical Papers SID International Symposium, 2006, 37, 802.	0.3	2
30	Pâ€104: Storage Lifetime of a Hybrid Transflective Display Using OLED and Polarizerâ€Free RLCD. Digest of Technical Papers SID International Symposium, 2008, 39, 1583-1585.	0.3	2
31	Overview on transilective liquid crystal displays. , 0, , .		1
32	12.1: High Birefringence LCs for Colorâ€Sequential LCDs. Digest of Technical Papers SID International Symposium, 2007, 38, 142-145.	0.3	1
33	Mathematical modeling of liquid crystal devices. , 0, , .		0
34	Optical simulation of reflective liquid crystal displays with asymmetric incident and exit angles. , 0, , .		0
35	Comprehensive Three-dimensional Dynamic Modeling of Liquid Crystal Devices using Finite Element Method. , 2006, , .		0
36	29.2: Switchable Transmissive and Reflective LCD for Mobile Displays. Digest of Technical Papers SID International Symposium, 2009, 40, 399-401.	0.3	0

#	Article	IF	Citations
37	Transflective Liquid Crystal Display Technologies. , 0, , 97-131.		0