

Sandhya K L

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29
papers

405
citations

11
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29
ext. papers

433
ext. citations

3.1
avg, IF

3.38
L-index

#	Paper	IF	Citations
29	Electrical conductivity and dielectric constant measurements of liquid crystal-gold nanoparticle composites. <i>Liquid Crystals</i> , 2006 , 33, 1121-1125	2.3	117
28	Photoinduced effects in nematic liquid crystals. <i>Phase Transitions</i> , 2005 , 78, 443-455	1.3	33
27	Degeneracy lifting near the frustration points due to long-range interlayer interaction forces and the resulting varieties of polar chiral tilted smectic phases. <i>Liquid Crystals</i> , 2009 , 36, 1101-1118	2.3	28
26	Comparative x-ray and dielectric measurements of smectic A-smectic-C* transition in bulk and confined geometries. <i>Physical Review E</i> , 2002 , 66, 031710	2.4	19
25	Photoluminescence and electrical conductivity measurement of liquid crystal doped with ZnO nanoparticles. <i>Liquid Crystals</i> , 2019 , 46, 666-673	2.3	19
24	Experimental study of de Vries properties in antiferroelectric smectic liquid crystals. <i>European Physical Journal E</i> , 2008 , 27, 397-405	1.5	17
23	Spacer parity dependence of photoinduced effects in liquid-crystalline dimers. <i>Journal of Applied Physics</i> , 2002 , 92, 838-841	2.5	17
22	Tuning the fluorescence behavior of liquid crystal molecules containing Schiff-base: Effect of solvent polarity. <i>Journal of Luminescence</i> , 2019 , 210, 371-375	3.8	17
21	Effect of graphene flakes, titanium dioxide and zinc oxide nanoparticles on the birefringence, Δn characteristics and photoluminescence properties of liquid crystal. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112571	6	12
20	Excited state intramolecular proton transfer emission in bent core liquid crystals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 358, 186-191	4.7	12
19	Degeneracy lifting due to thermal fluctuations around the frustration point between anticlinic antiferroelectric SmC(A)* and synclitic ferroelectric SmC*. <i>Physical Review E</i> , 2013 , 87, 012502	2.4	11
18	Superlattice structures observed in the extraordinary phase sequence and analyzed by the phenomenological Landau model and the partially molecular model. <i>Physical Review E</i> , 2013 , 87, 062506	2.4	11
17	Experimental study of high-temperature smectic-C _{F12} * phase in chiral smectic liquid crystals that exhibit phase-sequence reversal. <i>Physical Review E</i> , 2008 , 77, 051707	2.4	10
16	Time-resolved measurements of the dynamics of the photoinduced smectic-C* alpha-smectic-A transition. <i>Physical Review E</i> , 2003 , 67, 051701	2.4	10
15	Evolution of Subphases in a Prototype Binary Mixture System as Observed by Electric-Field-Induced Birefringence and Helical Pitch. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 511, 36/[1506]-49/[1519]	0.5	9
14	Enhanced dynamic response of the photoinduced nematic-isotropic transition in a polymer matrix. <i>Applied Physics Letters</i> , 2003 , 83, 2707-2709	3.4	9
13	Photoinduced nematic-isotropic phase transition: a case for the random-field Ising model. <i>Physical Review E</i> , 2001 , 64, 041702	2.4	9

12	Dielectric studies under high pressure on strongly polar liquid crystals exhibiting monolayer smectic A phase. <i>Thermochimica Acta</i> , 2007 , 452, 65-70	2.9	7
11	Dynamics of the two-dimensional melting transition of a liquid crystal confined in Anopore membranes. <i>Liquid Crystals</i> , 2001 , 28, 1847-1853	2.3	6
10	Photoinduced effects in the vicinity of the smectic-C*(α)-smectic-A transition. <i>Physical Review E</i> , 2002 , 65, 031718	2.4	6
9	Comment on "Optical and Resonant X-Ray Diffraction Studies Confirm a SmCFI2*-SmC* Liquid Crystal Phase Sequence Reversal". <i>Physical Review Letters</i> , 2007 , 98, 219801	7.4	5
8	Dielectric and electro optic studies in the vicinity of the transition between two tilted hexatic phases of a ZnO-liquid crystal nanocomposite. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112508	6	4
7	Photoluminescence study of liquid crystal-ZnO nanocomposites. <i>Journal of Molecular Liquids</i> , 2019 , 274, 724-729	6	4
6	Influence of ZnO nanoparticles on the polarization, dielectric and electro-optic behaviour in the smectic C* and hexatic I* phases. <i>Journal of Molecular Liquids</i> , 2019 , 275, 421-430	6	4
5	Photoinduced Phase Transitions in Liquid Crystalline Systems. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 436, 83/[1037]-105/[1059]	0.5	3
4	Anomalous increase of photocurrent anisotropy in a liquid crystalline binary mixture. <i>Journal of Applied Physics</i> , 2002 , 92, 6987-6989	2.5	3
3	Effect of pressure on liquid crystal dimers. <i>Liquid Crystals</i> , 2003 , 30, 1351-1355	2.3	2
2	Photoconductivity Measurements in the Discotic Columnar Phase of a few Anthraquinone Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 396, 113-119	0.5	1
1	Influence of ZnO Nanoparticles on the Electric Field Induced Birefringence of the Blue Phase. <i>Journal of Molecular Liquids</i> , 2022 , 119378	6	0