

Sandhya K L

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

384
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical conductivity and dielectric constant measurements of liquid crystal-gold nanoparticle composites. <i>Liquid Crystals</i> , 2006, 33, 1121-1125.	0.9	126
2	Photoinduced effects in nematic liquid crystals. <i>Phase Transitions</i> , 2005, 78, 443-455.	0.6	38
3	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.	0.9	29
4	Tuning the fluorescence behavior of liquid crystal molecules containing Schiff-base: Effect of solvent polarity. <i>Journal of Luminescence</i> , 2019, 210, 371-375.	1.5	27
5	Photoluminescence and electrical conductivity measurement of liquid crystal doped with ZnO nanoparticles. <i>Liquid Crystals</i> , 2019, 46, 666-673.	0.9	25
6	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.	2.3	21
7	Spacer parity dependence of photoinduced effects in liquid-crystalline dimers. <i>Journal of Applied Physics</i> , 2002, 92, 838-841.	1.1	20
8	Comparative x-ray and dielectric measurements of smectic-C* transition in bulk and confined geometries. <i>Physical Review E</i> , 2002, 66, 031710.	0.8	19
9	Experimental study of de Vries properties in antiferroelectric smectic liquid crystals. <i>European Physical Journal E</i> , 2008, 27, 397-405.	0.7	17
10	Excited state intramolecular proton transfer emission in bent core liquid crystals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 186-191.	2.0	13
11	Degeneracy lifting due to thermal fluctuations around the frustration point between anticlinic antiferroelectric SmCA* and synclinc ferroelectric SmC*. <i>Physical Review E</i> , 2013, 87, 012502.	0.8	12
12	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.	0.8	12
13	Time-resolved measurements of the dynamics of the photoinduced smectic-C ₁ *-A transition. <i>Physical Review E</i> , 2003, 67, 051701.	0.8	10
14	Enhanced dynamic response of the photoinduced nematic-isotropic transition in a polymer matrix. <i>Applied Physics Letters</i> , 2003, 83, 2707-2709.	1.5	10
15	Experimental study of high-temperature smectic-C ₁ * in chiral smectic liquid crystals that exhibit phase-sequence reversal. <i>Physical Review E</i> , 2008, 77, 051707.	0.8	10
16	Photoinduced nematic-isotropic phase transition: A case for the random-field Ising model. <i>Physical Review E</i> , 2001, 64, 041702.	0.8	9
17	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].	0.4	9
18	Dielectric studies under high pressure on strongly polar liquid crystals exhibiting monolayer smectic A phase. <i>Thermochimica Acta</i> , 2007, 452, 65-70.	1.2	8

#	ARTICLE	IF	CITATIONS
19	Dynamics of the two-dimensional melting transition of a liquid crystal confined in Anopore membranes. <i>Liquid Crystals</i> , 2001, 28, 1847-1853.	0.9	7
20	Photoluminescence study of liquid crystal-ZnO nanocomposites. <i>Journal of Molecular Liquids</i> , 2019, 274, 724-729.	2.3	7
21	Photoinduced effects in the vicinity of the smectic-C ₁ * \leftrightarrow smectic-A transition. <i>Physical Review E</i> , 2002, 65, 031718.	0.8	6
22	Comment on "Optical and Resonant X-Ray Diffraction Studies Confirm a SmCFI2* \leftrightarrow SmC* Liquid Crystal Phase Sequence Reversal". <i>Physical Review Letters</i> , 2007, 98, 219801.	2.9	5
23	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.	2.3	5
24	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.	2.3	5
25	Anomalous increase of photocurrent anisotropy in a liquid crystalline binary mixture. <i>Journal of Applied Physics</i> , 2002, 92, 6987-6989.	1.1	4
26	Effect of pressure on liquid crystal dimers. <i>Liquid Crystals</i> , 2003, 30, 1351-1355.	0.9	3
27	Photoinduced Phase Transitions in Liquid Crystalline Systems. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 436, 83/[1037]-105/[1059].	0.4	3
28	Influence of ZnO nanoparticles on the electric field induced birefringence of the Blue phase. <i>Journal of Molecular Liquids</i> , 2022, 359, 119378.	2.3	2
29	Photoconductivity Measurements in the Discotic Columnar Phase of a few Anthraquinone Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 396, 113-119.	0.4	1