

# Sandhya K L

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

405  
citations

11  
h-index

19  
g-index

29  
ext. papers

433  
ext. citations

3.1  
avg, IF

3.38  
L-index

#	Paper	IF	Citations
29	Influence of ZnO Nanoparticles on the Electric Field Induced Birefringence of the Blue Phase. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 119378	6	0
28	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> , <b>2020</b> , 302, 112508	6	4
27	Effect of graphene flakes, titanium dioxide and zinc oxide nanoparticles on the birefringence, $\Delta n$ characteristics and photoluminescence properties of liquid crystal. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 302, 112571	6	12
26	Tuning the fluorescence behavior of liquid crystal molecules containing Schiff-base: Effect of solvent polarity. <i>Journal of Luminescence</i> , <b>2019</b> , 210, 371-375	3.8	17
25	Photoluminescence and electrical conductivity measurement of liquid crystal doped with ZnO nanoparticles. <i>Liquid Crystals</i> , <b>2019</b> , 46, 666-673	2.3	19
24	Photoluminescence study of liquid crystal-ZnO nanocomposites. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 274, 724-729	6	4
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> , <b>2019</b> , 275, 421-430	6	4
22	Excited state intramolecular proton transfer emission in bent core liquid crystals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 358, 186-191	4.7	12
21	Degeneracy lifting due to thermal fluctuations around the frustration point between anticlinic antiferroelectric SmC(A)* and synclitic ferroelectric SmC*. <i>Physical Review E</i> , <b>2013</b> , 87, 012502	2.4	11
20	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> , <b>2013</b> , 87, 062506	2.4	11
19	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> , <b>2009</b> , 36, 1101-1118	2.3	28
18	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> , <b>2009</b> , 511, 36/[1506]-49/[1519]	0.5	9
17	Experimental study of high-temperature smectic- $C_{\{F\}2\{*\}}$ phase in chiral smectic liquid crystals that exhibit phase-sequence reversal. <i>Physical Review E</i> , <b>2008</b> , 77, 051707	2.4	10
16	Experimental study of de Vries properties in antiferroelectric smectic liquid crystals. <i>European Physical Journal E</i> , <b>2008</b> , 27, 397-405	1.5	17
15	Dielectric studies under high pressure on strongly polar liquid crystals exhibiting monolayer smectic A phase. <i>Thermochimica Acta</i> , <b>2007</b> , 452, 65-70	2.9	7
14	Comment on "Optical and Resonant X-Ray Diffraction Studies Confirm a SmCFI2*-SmC* Liquid Crystal Phase Sequence Reversal". <i>Physical Review Letters</i> , <b>2007</b> , 98, 219801	7.4	5
13	Electrical conductivity and dielectric constant measurements of liquid crystal-gold nanoparticle composites. <i>Liquid Crystals</i> , <b>2006</b> , 33, 1121-1125	2.3	117

12	Photoinduced effects in nematic liquid crystals. <i>Phase Transitions</i> , <b>2005</b> , 78, 443-455	1.3	33
11	Photoinduced Phase Transitions in Liquid Crystalline Systems. <i>Molecular Crystals and Liquid Crystals</i> , <b>2005</b> , 436, 83/[1037]-105/[1059]	0.5	3
10	Photoconductivity Measurements in the Discotic Columnar Phase of a few Anthraquinone Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , <b>2003</b> , 396, 113-119	0.5	1
9	Effect of pressure on liquid crystal dimers. <i>Liquid Crystals</i> , <b>2003</b> , 30, 1351-1355	2.3	2
8	Time-resolved measurements of the dynamics of the photoinduced smectic-C* alpha-smectic-A transition. <i>Physical Review E</i> , <b>2003</b> , 67, 051701	2.4	10
7	Enhanced dynamic response of the photoinduced nematic-isotropic transition in a polymer matrix. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2707-2709	3.4	9
6	Photoinduced effects in the vicinity of the smectic-C*(alpha)-smectic-A transition. <i>Physical Review E</i> , <b>2002</b> , 65, 031718	2.4	6
5	Anomalous increase of photocurrent anisotropy in a liquid crystalline binary mixture. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 6987-6989	2.5	3
4	Spacer parity dependence of photoinduced effects in liquid-crystalline dimers. <i>Journal of Applied Physics</i> , <b>2002</b> , 92, 838-841	2.5	17
3	Comparative x-ray and dielectric measurements of smectic A-smectic-C* transition in bulk and confined geometries. <i>Physical Review E</i> , <b>2002</b> , 66, 031710	2.4	19
2	Dynamics of the two-dimensional melting transition of a liquid crystal confined in Anopore membranes. <i>Liquid Crystals</i> , <b>2001</b> , 28, 1847-1853	2.3	6
1	Photoinduced nematic-isotropic phase transition: a case for the random-field Ising model. <i>Physical Review E</i> , <b>2001</b> , 64, 041702	2.4	9