

Gautam Singh

List of Publications by Year in descending order

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28
papers

1,177
citations

516710

16
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501196

28
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docs citations

28
times ranked

1169
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances and future perspectives on nanoparticles-controlled alignment of liquid crystals for displays and other photonic devices. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2023, 48, 57-92.	12.3	13
2	Recent advances on semiconducting nanomaterialsâ€“ferroelectric liquid crystals nanocomposites. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 013004.	1.8	15
3	Recent progress and future perspectives on carbon-nanomaterial-dispersed liquid crystal composites. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 083002.	2.8	39
4	Probing the impact of bismuth-titanate based nanocomposite on the dielectric and electro-optical features of a nematic liquid crystal material. <i>Journal of Molecular Liquids</i> , 2022, 347, 118389.	4.9	22
5	Impact of strontium titanate nanoparticles on the dielectric, electro-optical and electrical response of a nematic liquid crystal. <i>Journal of Molecular Liquids</i> , 2022, 354, 118907.	4.9	14
6	Impact of twisted alignment on the smectic layer structure of ferroelectric liquid crystal. <i>Journal of Molecular Liquids</i> , 2020, 302, 112332.	4.9	5
7	Recent advances on cadmium free quantum dots-liquid crystal nanocomposites. <i>Applied Materials Today</i> , 2020, 21, 100840.	4.3	36
8	Electro-optical and dielectric characteristics of ferroelectric liquid crystal dispersed with palladium nanoparticles. <i>Journal of Molecular Liquids</i> , 2020, 315, 113776.	4.9	17
9	Chiral and orientationally ordered fluid mesophases formed by oxadiazole bisaniline based achiral bent mesogens. <i>Liquid Crystals</i> , 2019, 46, 1373-1382.	2.2	10
10	Probing the impact of carbon quantum dots on partially unwound helical mode in ferroelectric liquid crystals. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	17
11	Electrically tunable photoluminescence of semiconducting quantum dots doped nematic liquid crystal nanocomposites. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
12	The oblique chiral nematic phase in calamitic Bimesogens. <i>Liquid Crystals</i> , 2017, , 1-13.	2.2	3
13	Stimuli-directed self-organized chiral superstructures for adaptive windows enabled by mesogen-functionalized graphene. <i>Materials Today</i> , 2017, 20, 230-237.	14.2	194
14	Tunable polarised fluorescence of quantum dot doped nematic liquid crystals. <i>Liquid Crystals</i> , 2017, 44, 444-452.	2.2	22
15	X-ray and Raman scattering study of orientational order in nematic and heliconical nematic liquid crystals. <i>Physical Review E</i> , 2016, 94, 060701.	2.1	21
16	Emissivity and electrooptical properties of semiconducting quantum dots/rods and liquid crystal composites: a review. <i>Reports on Progress in Physics</i> , 2016, 79, 056502.	20.1	58
17	Development of a scanning time of flight microscope and its application to the study of charge transport in phase separated structured organic semiconductors. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	3
18	Reversible Isothermal Twistâ€“Bend Nematicâ€“Nematic Phase Transition Driven by the Photoisomerization of an Azobenzene-Based Nonsymmetric Liquid Crystal Dimer. <i>Journal of the American Chemical Society</i> , 2016, 138, 5283-5289.	13.7	159

#	ARTICLE	IF	CITATIONS
19	Near infrared light-driven liquid crystal phase transition enabled by hydrophobic mesogen grafted plasmonic gold nanorods. <i>Chemical Communications</i> , 2015, 51, 9845-9848.	4.1	60
20	Room temperature heliconical twist-bend nematic liquid crystal. <i>CrystEngComm</i> , 2015, 17, 2778-2782.	2.6	135
21	NIR light-directing self-organized 3D photonic superstructures loaded with anisotropic plasmonic hybrid nanorods. <i>Chemical Communications</i> , 2015, 51, 15039-15042.	4.1	92
22	Columnar molecular aggregation in the aqueous solutions of disodium cromoglycate. <i>Physical Review E</i> , 2014, 89, 062504.	2.1	41
23	Advances in gold nanoparticle-liquid crystal composites. <i>Nanoscale</i> , 2014, 6, 7743-7756.	5.6	111
24	Board-like dibenzo[fg,op]naphthalenes: synthesis, characterization, self-assembly, and liquid crystallinity. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5833.	5.5	15
25	Electric field effect on the phase diagram of a bent-core liquid crystal. <i>Soft Matter</i> , 2013, 9, 6475.	2.7	29
26	Anomalous Low Frequency Dielectric Relaxation in Nanoparticles/Isotropic Fluid Mixed Ferroelectric Liquid Crystals. <i>Ferroelectrics</i> , 2012, 431, 6-12.	0.6	2
27	Investigation of dielectric behaviour in ferrofluid-ferroelectric liquid crystal nanocomposites. <i>Liquid Crystals</i> , 2012, 39, 927-932.	2.2	30
28	Reminiscence Shown by de Vries Electroclinic Liquid Crystal Material. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L559-L561.	1.5	11