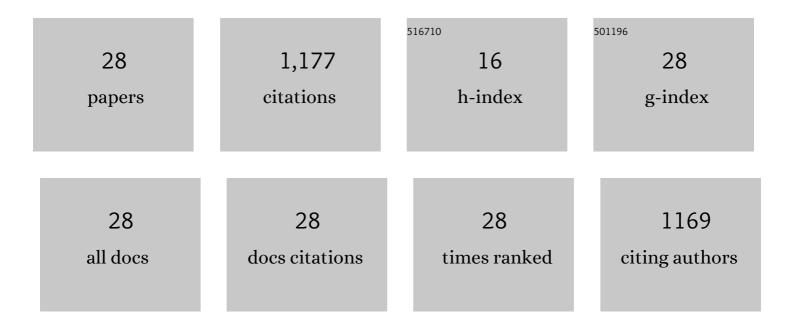
Gautam Singh

List of Publications by Year in descending order

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CALITAM SINCH

#	Article	IF	CITATIONS
1	Stimuli-directed self-organized chiral superstructures for adaptive windows enabled by mesogen-functionalized graphene. Materials Today, 2017, 20, 230-237.	14.2	194
2	Reversible Isothermal Twist–Bend Nematic–Nematic Phase Transition Driven by the Photoisomerization of an Azobenzene-Based Nonsymmetric Liquid Crystal Dimer. Journal of the American Chemical Society, 2016, 138, 5283-5289.	13.7	159
3	Room temperature heliconical twist-bend nematic liquid crystal. CrystEngComm, 2015, 17, 2778-2782.	2.6	135
4	Advances in gold nanoparticle–liquid crystal composites. Nanoscale, 2014, 6, 7743-7756.	5.6	111
5	NIR light-directing self-organized 3D photonic superstructures loaded with anisotropic plasmonic hybrid nanorods. Chemical Communications, 2015, 51, 15039-15042.	4.1	92
6	Near infrared light-driven liquid crystal phase transition enabled by hydrophobic mesogen grafted plasmonic gold nanorods. Chemical Communications, 2015, 51, 9845-9848.	4.1	60
7	Emissivity and electrooptical properties of semiconducting quantum dots/rods and liquid crystal composites: a review. Reports on Progress in Physics, 2016, 79, 056502.	20.1	58
8	Columnar molecular aggregation in the aqueous solutions of disodium cromoglycate. Physical Review E, 2014, 89, 062504.	2.1	41
9	Recent progress and future perspectives on carbon-nanomaterial-dispersed liquid crystal composites. Journal Physics D: Applied Physics, 2022, 55, 083002.	2.8	39
10	Recent advances on cadmium free quantum dots-liquid crystal nanocomposites. Applied Materials Today, 2020, 21, 100840.	4.3	36
11	Investigation of dielectric behaviour in ferrofluid–ferroelectric liquid crystal nanocomposites. Liquid Crystals, 2012, 39, 927-932.	2.2	30
12	Electric field effect on the phase diagram of a bent-core liquid crystal. Soft Matter, 2013, 9, 6475.	2.7	29
13	Tunable polarised fluorescence of quantum dot doped nematic liquid crystals. Liquid Crystals, 2017, 44, 444-452.	2.2	22
14	Probing the impact of bismuth-titanate based nanocomposite on the dielectric and electro-optical features of a nematic liquid crystal material. Journal of Molecular Liquids, 2022, 347, 118389.	4.9	22
15	X-ray and Raman scattering study of orientational order in nematic and heliconical nematic liquid crystals. Physical Review E, 2016, 94, 060701.	2.1	21
16	Probing the impact of carbon quantum dots on partially unwound helical mode in ferroelectric liquid crystals. Journal of Applied Physics, 2019, 125, .	2.5	17
17	Electro-optical and dielectric characteristics of ferroelectric liquid crystal dispersed with palladium nanoparticles. Journal of Molecular Liquids, 2020, 315, 113776.	4.9	17
18	Board-like dibenzo[fg,op]naphthacenes: synthesis, characterization, self-assembly, and liquid crystallinity. Journal of Materials Chemistry C, 2013, 1, 5833.	5.5	15

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#	Article	IF	CITATIONS
19	Recent advances on semiconducting nanomaterials–ferroelectric liquid crystals nanocomposites. Journal of Physics Condensed Matter, 2022, 34, 013004.	1.8	15
20	Impact of strontium titanate nanoparticles on the dielectric, electro-optical and electrical response of a nematic liquid crystal. Journal of Molecular Liquids, 2022, 354, 118907.	4.9	14
21	Recent advances and future perspectives on nanoparticles-controlled alignment of liquid crystals for displays and other photonic devices. Critical Reviews in Solid State and Materials Sciences, 2023, 48, 57-92.	12.3	13
22	Reminiscence Shown by de Vries Electroclinic Liquid Crystal Material. Japanese Journal of Applied Physics, 2007, 46, L559-L561.	1.5	11
23	Chiral and orientationally ordered fluid mesophases formed by oxadiazole bisaniline based achiral bent mesogens. Liquid Crystals, 2019, 46, 1373-1382.	2.2	10
24	Impact of twisted alignment on the smectic layer structure of ferroelectric liquid crystal. Journal of Molecular Liquids, 2020, 302, 112332.	4.9	5
25	Development of a scanning time of flight microscope and its application to the study of charge transport in phase separated structured organic semiconductors. Journal of Applied Physics, 2016, 119, .	2.5	3
26	The oblique chiral nematic phase in calamitic Bimesogens. Liquid Crystals, 2017, , 1-13.	2.2	3
27	Electrically tunable photoluminescence of semiconducting quantum dots doped nematic liquid crystal nanocomposites. AIP Conference Proceedings, 2018, , .	0.4	3
28	Anomalous Low Frequency Dielectric Relaxation in Nanoparticles/Isotropic Fluid Mixed Ferroelectric Liquid Crystals. Ferroelectrics, 2012, 431, 6-12.	0.6	2