Anshul Sharma

List of Publications by Year
in descending order

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14	541	759233 12	1125743 13
papers	citations	h-index	g-index

14	14	14	790
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-electronic gas sensors from electrospun mats of liquid crystal core fibres for detecting volatile organic compounds at room temperature. Liquid Crystals, 2016, 43, 1986-2001.	2.2	73
2	Significant Enhancement of the Chiral Correlation Length in Nematic Liquid Crystals by Gold Nanoparticle Surfaces Featuring Axially Chiral Binaphthyl Ligands. ACS Nano, 2016, 10, 1552-1564.	14.6	73
3	Nanoparticles: complex and multifaceted additives for liquid crystals. Liquid Crystals, 2011, 38, 1495-1514.	2.2	63
4	Biocompatible, Biodegradable and Porous Liquid Crystal Elastomer Scaffolds for Spatial Cell Cultures. Macromolecular Bioscience, 2015, 15, 200-214.	4.1	60
5	Biocompatible 3D Liquid Crystal Elastomer Cell Scaffolds and Foams with Primary and Secondary Porous Architecture. ACS Macro Letters, 2016, 5, 4-9.	4.8	57
6	Detecting, Visualizing, and Measuring Gold Nanoparticle Chirality Using Helical Pitch Measurements in Nematic Liquid Crystal Phases. ACS Nano, 2014, 8, 11966-11976.	14.6	53
7	Electro-optic and dielectric properties of a ferroelectric liquid crystal doped with chemically and thermally stable emissive carbon dots. RSC Advances, 2015, 5, 34491-34496.	3.6	34
8	Effect of two different size chiral ligand-capped gold nanoparticle dopants on the electro-optic and dielectric dynamics of a ferroelectric liquid crystal mixture. Liquid Crystals, 2016, 43, 695-703.	2.2	34
9	Effects of Structural Variations on the Cellular Response and Mechanical Properties of Biocompatible, Biodegradable, and Porous Smectic Liquid Crystal Elastomers. Macromolecular Bioscience, 2017, 17, 1600278.	4.1	28
10	Electrospun Composite Liquid Crystal Elastomer Fibers. Materials, 2018, 11, 393.	2.9	22
11	Chemically and thermally stable, emissive carbon dots as viable alternatives to semiconductor quantum dots for emissive nematic liquid crystalâ€“nanoparticle mixtures with lower threshold voltage. Liquid Crystals, 2016, 43, 183-194.	2.2	21
12	Patterned alignment of nematic liquid crystals generated by inkjet printing of gold nanoparticles and emissive carbon dots on both flexible polymer and rigid glass substrates. Liquid Crystals, 2016, 43, 828-838.	2.2	13
13	Time Dependent Lyotropic Chromonic Textures in Microfluidic Confinements. Crystals, 2021, 11, 35.	2.2	10
14	New developments in nanoparticle-liquid crystal composites: from magic-sized semiconductor nanoclusters to alignment pattern formation via nanoparticle stenciling. , 2012, , .		0