

# Veena Prasad

## List of Publications by Year in descending order

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23  
papers

682  
citations

623734

14  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

414  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermotropic Uniaxial and Biaxial Nematic and Smectic Phases in Bent-Core Mesogens. <i>Journal of the American Chemical Society</i> , 2005, 127, 17224-17227.	13.7	151
2	Liquid crystalline compounds with V-shaped molecular structures: synthesis and characterization of new azo compounds. <i>Liquid Crystals</i> , 2001, 28, 145-150.	2.2	70
3	Photo-responsive and electrically switchable mesophases in a novel class of achiral bent-core azo compounds. Electronic supplementary information (ESI) available: colour versions of Figs. 3, 4, 7 and 8. See <a href="http://www.rsc.org/suppdata/jm/b3/b314482h/">http://www.rsc.org/suppdata/jm/b3/b314482h/</a> . <i>Journal of Materials Chemistry</i> , 2004, 14, 1495.	6.7	64
4	Achiral bent-core azo compounds: effect of different types of linkage groups and their direction of linking on liquid crystalline properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 8948.	6.7	62
5	Novel examples of achiral bent-core azo compounds exhibiting B1 and antiferroelectric B2 mesophases. <i>Journal of Materials Chemistry</i> , 2003, 13, 1259-1264.	6.7	47
6	Achiral bent-core azo compounds: observation of photoinduced effects in an antiferroelectric tilted smectic mesophase. <i>Liquid Crystals</i> , 2004, 31, 473-479.	2.2	43
7	Role of Molecular Structure on X-ray Diffraction in Uniaxial and Biaxial Phases of Thermotropic Liquid Crystals. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3845-3852.	2.6	28
8	Hockey stick-shaped azo compounds: effect of linkage groups and their direction of linking on mesomorphic properties. <i>Liquid Crystals</i> , 2015, 42, 1490-1505.	2.2	25
9	Azo-functionalised liquid crystalline dimers composed of bent-core and rod-like moieties: synthesis and mesomorphic properties. <i>Liquid Crystals</i> , 2013, 40, 1001-1015.	2.2	22
10	Azo substituted V-shaped liquid crystalline compounds: synthesis and mesophase characterisation. <i>Phase Transitions</i> , 2013, 86, 1227-1240.	1.3	21
11	Azo-functionalised achiral bent-core liquid crystalline materials: effect of presence of "N=N" linkage at different locations in the molecular architecture. <i>Liquid Crystals</i> , 2013, 40, 1238-1254.	2.2	18
12	Octadecylamine-capped CdSe/ZnS quantum dot dispersed cholesteric liquid crystal for potential display application: Investigation on photoluminescence and UV absorbance. <i>Liquid Crystals</i> , 2021, 48, 579-587.	2.2	18
13	Ferroelectric Nematic and Ferrielectric Smectic Mesophases in an Achiral Bent-Core Azo Compound. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2998-3007.	2.6	17
14	Liquid crystalline dimeric compounds with an alkylene spacer. <i>Liquid Crystals</i> , 2001, 28, 761-767.	2.2	16
15	Thermally stable azo-substituted bent-core nematogens: observation of chiral domains in the nematic mesophases composed of smectic nano clusters. <i>Liquid Crystals</i> , 2018, 45, 666-679.	2.2	15
16	Azo functionalised achiral bent-core liquid crystals: observation of photo-induced effects in B <sub>7</sub> and B <sub>2</sub> mesophases. <i>Liquid Crystals</i> , 2013, 40, 1405-1416.	2.2	14
17	Quantum dots dispersed hockey stick nematic liquid crystal: Studies on dielectric permittivity, elastic constants and electrical conductivity. <i>Journal of Molecular Liquids</i> , 2018, 266, 10-18.	4.9	12
18	Influence of alkyl and alkoxy groups on photoresponsive behaviour of bent-core azo mesogens: Synthesis, mesomorphic and photoswitching properties. <i>Journal of Molecular Liquids</i> , 2020, 309, 113091.	4.9	11

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19	Smectic nanoclusters in the nematic mesophases of dimeric compounds composed of rod-like azo moieties with lateral substituents. <i>New Journal of Chemistry</i> , 2017, 41, 11576-11583.	2.8	7
20	The first examples of V-shaped compounds exhibiting a B5 mesophase and a direct transition from the isotropic to a polar biaxial smectic A mesophase. <i>Journal of Molecular Liquids</i> , 2018, 249, 97-105.	4.9	7
21	Achiral bent-core salicylaldimine compounds exhibiting dark conglomerate and B <sub>2</sub> mesophases: effect of linkage groups and lateral substituents. <i>Liquid Crystals</i> , 2019, 46, 1091-1107.	2.2	7
22	Porous carbon nanoparticles dispersed nematic liquid crystal: influence of the particle size on electro-optical and dielectric parameters. <i>Liquid Crystals</i> , 2022, 49, 1223-1234.	2.2	5
23	Evaluation of Photoswitching Properties for Hockey Stick-Shaped Mesogens Bearing Azo Benzene Moieties. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	2