

# Manoj Kumar Paul

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6453770/publications.pdf>

Version: 2024-02-01

26  
papers

401  
citations

759233

12  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-ring achiral unsymmetrical bent core molecules forming strongly fluorescent smectic liquid crystals with spontaneous polar and chiral ordered B7 and B1 phases. <i>Journal of Materials Chemistry</i> , 2010, 20, 7332.	6.7	63
2	Hockey-stick-shaped mesogens based on 1,3,4-thiadiazole: synthesis, mesomorphism, photophysical and DFT studies. <i>Liquid Crystals</i> , 2017, 44, 2203-2221.	2.2	31
3	Emissive bis-salicylaldiminato Schiff base ligands and their zinc(II) complexes: Synthesis, photophysical properties, mesomorphism and DFT studies. <i>Journal of Molecular Structure</i> , 2015, 1081, 316-328.	3.6	29
4	A novel smectic liquid crystalline phase exhibited by W-shaped molecules. <i>Journal of Materials Chemistry</i> , 2003, 13, 2880.	6.7	25
5	Novel chiral filament in an achiral W-shaped liquid crystalline compound. <i>Journal of Materials Chemistry</i> , 2005, 15, 4688.	6.7	21
6	Fluorescent lanthanide complexes of Schiff base ligands possessing <i>N</i> -aryl moiety: influence of chain length on crossover (calamitic to discotic) phase behaviour. <i>Liquid Crystals</i> , 2010, 37, 1393-1410.	2.2	20
7	Synthesis and mesomorphic behaviour of achiral four-ring unsymmetrical bent-core liquid crystals: Nematic phases. <i>Journal of Molecular Structure</i> , 2013, 1049, 78-89.	3.6	20
8	The synthesis of liquid crystalline lanthanide complexes of Schiff's base ligands: <i>N</i> -(4- <i>n</i> )-Tj ETQq0 0 0 rgBT /Overlock,10 Tf 50,462 Td (-a	2.2	19
9	Molecular structure, chemical reactivity, nonlinear optical activity and vibrational spectroscopic density functional theory and experimental approach. <i>Journal of Molecular Structure</i> , 2018, 1160, 167-176.	3.6	19
10	Mesomorphic and photophysical behaviour of 1,3,4-oxadiazole based hockey stick reactive mesogens. <i>Liquid Crystals</i> , 2019, 46, 386-396.	2.2	19
11	Polar Switching and Cybotactic Nematic Ordering in 1,3,4-Thiadiazole-Based Short-Core Hockey Stick-Shaped Fluorescent Liquid Crystals. <i>ACS Omega</i> , 2019, 4, 7711-7722.	3.5	16
12	Effect of methoxy group instead of polar group in the nematic phase of four-ring bent-core liquid crystals. <i>RSC Advances</i> , 2015, 5, 7001-7006.	3.6	14
13	Bent shaped H-bonded mesogens derived from 1, 5-bis (4-hydroxyphenyl) penta-1, 4-dien-3-one: Synthesis, photophysical, mesomorphism and computational studies. <i>Journal of Molecular Liquids</i> , 2014, 197, 226-235.	4.9	13
14	Low-temperature nematic phase in asymmetrical 1,3,4-oxadiazole bent-core liquid crystals possessing lateral methoxy group. <i>Liquid Crystals</i> , 2017, 44, 1739-1750.	2.2	13
15	Mononuclear and binuclear complexes of salicylidene Schiff bases: synthesis and mesogenic properties. <i>Liquid Crystals</i> , 2009, 36, 409-423.	2.2	11
16	Mesomorphism of a banana mesogen: influence of a fluoro substituent in the central core. <i>Liquid Crystals</i> , 2009, 36, 977-987.	2.2	11
17	Electro-optic and molecular relaxation behaviour of fluoro substituted achiral unsymmetrical four-ring bent-core mesogen. <i>Liquid Crystals</i> , 2014, 41, 635-641.	2.2	10
18	Unsymmetrical achiral four ring hockey stick shaped mesogens based on 1,3,4-oxadiazole: Photophysical, mesogenic and DFT studies. <i>Journal of Molecular Liquids</i> , 2017, 241, 881-896.	4.9	9

#	ARTICLE	IF	CITATIONS
19	Layer thinning transition in an achiral four-ring hockey stick shaped liquid crystal. <i>Phase Transitions</i> , 2012, 85, 1070-1078.	1.3	8
20	Design, synthesis and mesomorphic behaviour of a four-ring achiral bent-core liquid crystal in the nematic phase. <i>RSC Advances</i> , 2016, 6, 43069-43079.	3.6	8
21	Synthesis, mesomorphic, photophysical and computational studies of new achiral four-ring unsymmetrical bent-core mesogens and their Copper(II) complexes. <i>Liquid Crystals</i> , 2014, 41, 1367-1381.	2.2	6
22	Synthesis and properties of copper (II), oxovanadium (IV) and gadolinium (III) complexes derived from polar Schiff's bases. <i>Journal of Molecular Structure</i> , 2011, 1002, 135-144.	3.6	4
23	Coumarin based emissive rod shaped new schiff base mesogens and their zinc(II) complexes: synthesis, photophysical, mesomorphism, gelation and DFT studies. <i>Liquid Crystals</i> , 0, , 1-18.	2.2	4
24	Low-temperature nematic phase in azo functionalised reactive hockey stick mesogens possessing lateral methyl group. <i>Dyes and Pigments</i> , 2020, 173, 107233.	3.7	4
25	Influence of polar substituent on central bending unit of bent core mesogens: Synthesis, photophysical, mesomorphism and DFT studies. <i>Journal of Molecular Structure</i> , 2016, 1119, 177-187.	3.6	3
26	Chiral domain formation and spontaneous de-racemization in the Dark Conglomerate phase of a bent-core liquid crystal. <i>Journal of Molecular Liquids</i> , 2020, 315, 113706.	4.9	1