

Pongali Sathya Prabu N

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Characterization of a new smectic ordering in supramolecular hydrogen bonded liquid crystals by X-ray, optical and dielectric studies. <i>Journal of Molecular Liquids</i> , 2013, 182, 79-90.	4.9	49
2	Thermal and dielectric studies of self-assembly systems formed by hydroquinone and alkyloxy benzoic acids. <i>Physica B: Condensed Matter</i> , 2011, 406, 1106-1113.	2.7	43
3	Characterization of a hydrogen bonded liquid crystal homologous series: Detailed FTIR studies in various mesophases. <i>Journal of Molecular Structure</i> , 2011, 994, 387-391.	3.6	38
4	Design, synthesis and characterization of a linear hydrogen bonded homologous series. <i>Physica B: Condensed Matter</i> , 2012, 407, 859-867.	2.7	34
5	Thermal analysis of hydrogen bonded benzoic acid liquid crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 113, 811-820.	3.6	28
6	Systematic studies on eight homologous series of supramolecular hydrogen bonded liquid crystals. <i>Phase Transitions</i> , 2013, 86, 339-360.	1.3	27
7	Characterization of Hydrogen Bonded Liquid Crystals Formed by Suberic Acid and Alkyl Benzoic Acids. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 587, 60-79.	0.9	27
8	Study and characterization of the smectic X* phase in binary mixtures of thermotropic double hydrogen bonded ferroelectric liquid crystals. <i>Phase Transitions</i> , 2015, 88, 907-928.	1.3	23
9	Thermal and Dielectric Investigations on Supramolecular Hydrogen Bonded Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 569, 72-91.	0.9	22
10	Study of optical shuttering action in supramolecular hydrogen bonded nematogens. <i>Phase Transitions</i> , 2012, 85, 973-994.	1.3	21
11	Double Hydrogen Bonded Liquid Crystals Formed by Glutaric Acid. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 574, 19-32.	0.9	20
12	Thermal, Optical, and Dielectric Analysis of Hydrogen-Bonded Liquid Crystals Formed by Adipic and Alkyloxy Benzoic Acids. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 592, 63-81.	0.9	19
13	Influence of Terminal Groups on the Mesogenic Properties of Self-Assembly Systems. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 548, 142-154.	0.9	17
14	Thermal analysis of hydrogen-bonded ferroelectric liquid crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 369-386.	3.6	17
15	Thermal Analysis of Supramolecular Hydrogen-Bonded Liquid Crystals Formed by Nonyloxy and Alkyl Benzoic Acids. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 574, 96-113.	0.9	16
16	Comparison of mesomorphic properties exhibited by linear hydrogen bonded thermotropic liquid crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 631, 74-91.	0.9	14
17	A detailed study of hydrogen bonded ferroelectric mesogens formed between alkyl and alkyloxy benzoic acids with carbamyl glutamic acid. <i>Liquid Crystals</i> , 2018, 45, 431-449.	2.2	14
18	Fabrication of Ferroelectric Liquid Crystal Thermistor. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 5063-5068.	3.0	14

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19	Analysis of hydrogen-bonded liquid crystals formed between nitro-substituted benzoic acid and p-n-alkyloxy benzoic acids. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 631, 47-63.	0.9	13
20	Thermal and optical characterization of a novel series of supramolecular liquid crystals. <i>Physica B: Condensed Matter</i> , 2012, 407, 3709-3716.	2.7	12
21	Thermal and Optical Properties of Self-Assembly Systems: Two Pairs of Distinct Structural Isomers. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 557, 144-160.	0.9	12
22	Comparison of supramolecular hydrogen bonded liquid crystals. <i>Phase Transitions</i> , 2012, 85, 149-158.	1.3	12
23	Optical shuttering action in nematic phase of SMHBLC: observation of a ribbon-like texture. <i>Phase Transitions</i> , 2012, 85, 592-607.	1.3	11
24	Spontaneous polarization analysis in hydrogen bonded ferroelectric liquid crystals. <i>Phase Transitions</i> , 2014, 87, 491-508.	1.3	11
25	Linear Double Hydrogen-bonded Thermotropic Liquid Crystals Formed Between Oxaloacetic Acid and p-n-Alkyloxy Benzoic Acids. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 626, 169-182.	0.9	11
26	Optical and thermal characterization of double hydrogen bonded liquid crystals: Binary mixtures. <i>Ferroelectrics</i> , 2018, 524, 102-137.	0.6	11
27	Optical Shuttering and Filtering Action in Nematogens of Supra Molecular Hydrogen-Bonded Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 557, 190-205.	0.9	10
28	Design, synthesis and characterization of hydrogen bonded liquid crystals formed between methyl malonic acid and p-n-alkyloxy/alkyl benzoic acids. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 652, 23-40.	0.9	10
29	Investigations on Hydrogen-Bonded Liquid Crystals Formed by P-N Alkyl Benzoic Acids and Dodecane Dicarboxylic Acids. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 626, 193-206.	0.9	9
30	Study of Optical and Dielectrical Properties in a Homologous Series of Bent Liquid Crystals Formed by Self Assembly Systems. <i>Ferroelectrics</i> , 2011, 425, 114-128.	0.6	8
31	A study on polymorphism of hydrogen-bonded thermotropic liquid crystals. <i>Phase Transitions</i> , 2016, 89, 928-943.	1.3	8
32	Study of Optical and Electrical Properties in Nematic Phase of Self Assembly Systems. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 548, 73-85.	0.9	7
33	Birefringence Study in Hydrogen Bonded Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 592, 163-180.	0.9	5
34	Dielectric and Optical Studies in Smectic C of A Novel Hydrogen Bonded Liquid Crystal Homologous Series. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 562, 177-190.	0.9	4
35	Analysis of optical and thermal properties of double hydrogen bonded liquid crystal binary mixtures. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 652, 111-125.	0.9	3
36	Design, Synthesis and Analysis of Chlorohydroquinone Derivatives' Liquid Crystalline Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 593, 78-92.	0.9	2

#	ARTICLE	IF	CITATIONS
37	Detection of phase transitions in liquid crystals through optical, thermal and electrical techniques. Optik, 2022, 258, 168951.	2.9	2