Narasimhaswamy Tanneru

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Synthesis, characterization and thermal properties of 4,4'-bis(4-n-alkoxybenzoyloxy)benzylideneanilines and bis(4-benzylidene-4'-n-alkoxyaniline) terephthalates. Liquid Crystals, 2000, 27, 1525-1532.	2.2	41
2	Synthesis and13C CPMAS NMR Characterization of Novel Thiophene-Based Nematogens. Chemistry of Materials, 2005, 17, 2013-2018.	6.7	40
3	A 2D Solid-State NMR Experiment To Resolve Overlapping Aromatic Resonances of Thiophene-Based Nematogens. Journal of the American Chemical Society, 2005, 127, 6958-6959.	13.7	36
4	Phase Characterization and Study of Molecular Order of a Three-Ring Mesogen by ¹³ C NMR in Smectic C and Nematic Phases. Journal of Physical Chemistry B, 2011, 115, 11554-11565.	2.6	35
5	Solid-State NMR Characterization and Determination of the Orientational Order of a Nematogen. Journal of Physical Chemistry B, 2005, 109, 19696-19703.	2.6	27
6	Synthesis and characterization of novel thermotropic liquid crystals containing a dimethylamino group. Liquid Crystals, 2004, 31, 1457-1462.	2.2	25
7	Solid-State NMR Characterization of a Novel Thiophene-Based Three Phenyl Ring Mesogen. Chemistry of Materials, 2005, 17, 4567-4569.	6.7	25
8	Determination of ¹³ C Chemical Shift Anisotropy Tensors and Molecular Order of 4-Hexyloxybenzoic Acid. Journal of Physical Chemistry A, 2012, 116, 7508-7515.	2.5	25
9	Structural Characterization and Molecular Order of Rodlike Mesogens with Three- and Four-Ring Core by XRD and ¹³ C NMR Spectroscopy. Journal of Physical Chemistry B, 2013, 117, 5718-5729.	2.6	22
10	Molecular topology of three ring nematogens from ¹³ C– ¹ H dipolar couplings. RSC Advances, 2014, 4, 33383-33390.	3.6	22
11	High-Resolution Solid State ¹³ C NMR Studies of Bent-Core Mesogens of Benzene and Thiophene. Journal of Physical Chemistry C, 2014, 118, 15044-15053.	3.1	22
12	13C–1H dipolar couplings for probing rod-like hydrogen bonded mesogens. New Journal of Chemistry, 2013, 37, 3195.	2.8	21
13	Phenyl acrylates and divinyl benzene cross-linked copolymers as basic novel supports: Synthesis and characterization. Journal of Applied Polymer Science, 1991, 43, 1645-1657.	2.6	20
14	Synthesis and Characterization of Two Phenyl Ring Core-Based Thiophene Mesogens. Molecular Crystals and Liquid Crystals, 2013, 582, 1-14.	0.9	20
15	¹³ C NMR Studies, Molecular Order, and Mesophase Properties of Thiophene Mesogens. Journal of Physical Chemistry B, 2015, 119, 15063-15074.	2.6	18
16	Monolayer to Interdigitated Partial Bilayer Smectic C Transition in Thiophene-Based Spacer Mesogens: X-ray Diffraction and 13C Nuclear Magnetic Resonance Studies. Langmuir, 2015, 31, 10831-10842.	3.5	17
17	2-Octyl thiophene based three ring mesogens: solid state ¹³ C NMR and XRD investigations. Physical Chemistry Chemical Physics, 2015, 17, 19936-19947.	2.8	16
18	Three-Ring-Based Thermotropic Mesogens with a Dimethylamino Group: Structural Characterization, Photophysical Properties, and Molecular Order. Journal of Physical Chemistry C, 2015, 119, 9477-9487.	3.1	14

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19	Phenyl methacrylate-glycidyl methacrylate copolymers: synthesis, characterization and reactivity ratios by spectroscopic methods. Polymer, 1991, 32, 3426-3432.	3.8	13
20	4-acetylphenyl acrylate-glycidyl methacrylate copolymers: synthesis, characterization and reactivity ratios. European Polymer Journal, 1991, 27, 255-261.	5.4	13
21	Chemical modification of crosslinked phenyl acrylate copolymers with monoethanolamine. Polymer International, 1992, 27, 75-80.	3.1	13
22	Morphology, Mesophase, and Molecular Order of 3-Hexyl Thiophene-Based π-Conjugated Mesogens. Journal of Physical Chemistry C, 2016, 120, 17960-17971.	3.1	13
23	Isothermal and non-isothermal cold crystallization of tetrabenzofluorene (TBF) molecules. New Journal of Chemistry, 2019, 43, 9500-9506.	2.8	13
24	Synthesis and mesophase characterization of novel methacrylate based thermotropic liquid crystalline monomers and their polymers. New Journal of Chemistry, 2014, 38, 4357.	2.8	12
25	Isophthalic acid based mesogenic dimers: Synthesis and structural effects on mesophase properties. Journal of Molecular Structure, 2013, 1038, 126-133.	3.6	11
26	Synthesis, Structural and Mesophase Characterization of Three Ring Based Thiophene Liquid Crystals. Molecular Crystals and Liquid Crystals, 2014, 593, 1-24.	0.9	11
27	Structural investigation of resorcinol based symmetrical banana mesogens by XRD, NMR and polarization measurements. Physical Chemistry Chemical Physics, 2015, 17, 5236-5247.	2.8	11
28	¹³ C NMR investigations of molecular order of rodâ€like, bentâ€core, and thiophene mesogens. Magnetic Resonance in Chemistry, 2020, 58, 988-1009.	1.9	11
29	Influence of Thiophenes on Molecular Order, Mesophase, and Optical Properties of π-Conjugated Mesogens. Journal of Physical Chemistry C, 2016, 120, 22257-22269.	3.1	10
30	Molecular Order and Mesophase Investigation of Thiophene-Based Forked Mesogens. Journal of Physical Chemistry B, 2016, 120, 6897-6909.	2.6	10
31	Structural assignment and molecular order of three-ring mesogen by ¹³ C NMR spectroscopy in mesophase. Liquid Crystals, 2016, 43, 896-909.	2.2	10
32	Effect of alkyl chain and linking units on mesophase transitions and molecular order of rod-like thiophene mesogens: ¹³ C NMR investigation. New Journal of Chemistry, 2018, 42, 598-612.	2.8	9
33	Structure–property studies and orientation effects of polythiophenes containing mesogenic side chains. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1463-1477.	2.1	8
34	Trimesic Acid-Based Star Mesogens with Flexible Spacer: Synthesis and Mesophase Characterization. Australian Journal of Chemistry, 2012, 65, 1426.	0.9	7
35	A New Series of Two-Ring-Based Side Chain Liquid Crystalline Polymers: Synthesis and Mesophase Characterization. Australian Journal of Chemistry, 2013, 66, 667.	0.9	7
36	¹³ C NMR Investigations of Hairy-Rod-Like π-Conjugated Mesogens. Journal of Physical Chemistry B, 2019, 123, 5651-5664.	2.6	7

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37	3-Cyano thiophene-based ï€-conjugated mesogens: XRD and ¹³ C NMR investigations. Liquid Crystals, 2019, 46, 680-693.	2.2	7
38	Molecular Order of Topologically Variant Flexible Mesogens by ¹³ C Nuclear Magnetic Resonance. Langmuir, 2020, 36, 12620-12631.	3.5	7
39	2,4,6-Tribromophenyl acrylate-co-glycidyl methacrylate polymers: Synthesis, characterization, and reactivity ratios. Journal of Polymer Science Part A, 1992, 30, 2165-2172.	2.3	6
40	Novel metallomesogenic polyurethanes: Synthesis, characterization and properties. Materials Science and Engineering C, 2012, 32, 2258-2266.	7.3	6
41	¹³ C NMR investigations and the molecular order of 4-(trans-4′-hexylcyclohexyl)-isothiocyanatobenzene (6CHBT). Physical Chemistry Chemical Physics, 2014, 16, 14713-14721.	2.8	6
42	Synthesis and characterization of phenyl acrylates crosslinked to hydroquinone diacrylate. Macromolecules, 1992, 25, 3338-3344.	4.8	5
43	Intramolecular charge transfer interactions and molecular order of rod like mesogens. RSC Advances, 2015, 5, 105066-105078.	3.6	5
44	¹³ C NMR investigations and molecular order of nematogens with biphenyl and bithiophene at terminus. Liquid Crystals, 2021, 48, 1477-1491.	2.2	4
45	13C NMR investigations and order parameters of rod-like molecules with terminal phenyl and thiophene rings in mesogenic core✰. Journal of Magnetic Resonance Open, 2022, 10-11, 100055.	1.1	4
46	Star mesogens — Synthesis and structural characterization using 1D and 2D solution NMR techniques and mesophase characterization. Canadian Journal of Chemistry, 2013, 91, 196-205.	1.1	3
47	Novel macro metallomesogens derived from simple dihydroxy benzenes. Inorganica Chimica Acta, 2013, 397, 129-139.	2.4	3
48	Palladium (II) Catalyzed Arylation and Methylene Oxidation of 2, 7â€Dibromo Fluorenes with Heteroaryl Esters: Synthesis of Mesogenic2â€Heteroaryl and 2, 7â€Diheteroarylâ€9â€fluorenones. ChemistrySelect, 2019, 4, 1795-1799.	1.5	3
49	Novel Hydroxy- and Methyl-Terminated Triaromatic Schiff Base Compounds: Synthesis and Mesogenic Properties. Australian Journal of Chemistry, 2010, 63, 276.	0.9	2
50	Synthesis and mesophase characterization of methacrylate based three phenyl ring core side chain liquid crystalline copolymers. Journal of Molecular Liquids, 2018, 259, 416-423.	4.9	2
51	Strikingly different molecular organization and molecular order of tetracatenar mesogens in columnar mesophases revealed by XRD and ¹³ C NMR. Physical Chemistry Chemical Physics, 2020, 22, 23986-23997.	2.8	2
52	Structural Assignment of Side Chain Liquid Crystalline Monomer and Polymer by 1-D and 2-D Solution NMR Studies. International Journal of Polymer Analysis and Characterization, 2015, 20, 10-28.	1.9	1
53	(N1E,N2E)-N1,N2-Bis(4-hexyloxy-3-methoxybenzylidene)ethane-1,2-diamine. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1377-o1377.	0.2	0