Narasimhaswamy Tanneru

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	¹³ C NMR investigations and molecular order of nematogens with biphenyl and bithiophene at terminus. Liquid Crystals, 2021, 48, 1477-1491.	2.2	4
3	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
4	Molecular Order of Topologically Variant Flexible Mesogens by ¹³ C Nuclear Magnetic Resonance. Langmuir, 2020, 36, 12620-12631.	3.5	7
5	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
6	Isothermal and non-isothermal cold crystallization of tetrabenzofluorene (TBF) molecules. New Journal of Chemistry, 2019, 43, 9500-9506.	2.8	13
7	¹³ C NMR Investigations of Hairy-Rod-Like π-Conjugated Mesogens. Journal of Physical Chemistry B, 2019, 123, 5651-5664.	2.6	7
8	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
9	3-Cyano thiophene-based π-conjugated mesogens: XRD and ¹³ C NMR investigations. Liquid Crystals, 2019, 46, 680-693.	2.2	7
10	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
11	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
12	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
13	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
14	Molecular Order and Mesophase Investigation of Thiophene-Based Forked Mesogens. Journal of Physical Chemistry B, 2016, 120, 6897-6909.	2.6	10
15	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
16	Intramolecular charge transfer interactions and molecular order of rod like mesogens. RSC Advances, 2015, 5, 105066-105078.	3.6	5
17	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
18	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

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19	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
20	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
21	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
22	¹³ C NMR Studies, Molecular Order, and Mesophase Properties of Thiophene Mesogens. Journal of Physical Chemistry B, 2015, 119, 15063-15074.	2.6	18
23	Molecular topology of three ring nematogens from ¹³ C– ¹ H dipolar couplings. RSC Advances, 2014, 4, 33383-33390.	3.6	22
24	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
25	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
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	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
28	13C–1H dipolar couplings for probing rod-like hydrogen bonded mesogens. New Journal of Chemistry, 2013, 37, 3195.	2.8	21
29	Synthesis and Characterization of Two Phenyl Ring Core-Based Thiophene Mesogens. Molecular Crystals and Liquid Crystals, 2013, 582, 1-14.	0.9	20
30	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
31	Isophthalic acid based mesogenic dimers: Synthesis and structural effects on mesophase properties. Journal of Molecular Structure, 2013, 1038, 126-133.	3.6	11
32	Novel macro metallomesogens derived from simple dihydroxy benzenes. Inorganica Chimica Acta, 2013, 397, 129-139.	2.4	3
33	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
34	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
35	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
36	Trimesic Acid-Based Star Mesogens with Flexible Spacer: Synthesis and Mesophase Characterization. Australian Journal of Chemistry, 2012, 65, 1426.	0.9	7

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37	Novel metallomesogenic polyurethanes: Synthesis, characterization and properties. Materials Science and Engineering C, 2012, 32, 2258-2266.	7.3	6
38	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
39	(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
40	Novel Hydroxy- and Methyl-Terminated Triaromatic Schiff Base Compounds: Synthesis and Mesogenic Properties. Australian Journal of Chemistry, 2010, 63, 276.	0.9	2
41	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
42	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
43	Solid-State NMR Characterization of a Novel Thiophene-Based Three Phenyl Ring Mesogen. Chemistry of Materials, 2005, 17, 4567-4569.	6.7	25
44	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
45	Synthesis and13C CPMAS NMR Characterization of Novel Thiophene-Based Nematogens. Chemistry of Materials, 2005, 17, 2013-2018.	6.7	40
46	Synthesis and characterization of novel thermotropic liquid crystals containing a dimethylamino group. Liquid Crystals, 2004, 31, 1457-1462.	2.2	25
47	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
48	Synthesis and characterization of phenyl acrylates crosslinked to hydroquinone diacrylate. Macromolecules, 1992, 25, 3338-3344.	4.8	5
49	Chemical modification of crosslinked phenyl acrylate copolymers with monoethanolamine. Polymer International, 1992, 27, 75-80.	3.1	13
50	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
51	Phenyl methacrylate-glycidyl methacrylate copolymers: synthesis, characterization and reactivity ratios by spectroscopic methods. Polymer, 1991, 32, 3426-3432.	3.8	13
52	4-acetylphenyl acrylate-glycidyl methacrylate copolymers: synthesis, characterization and reactivity ratios. European Polymer Journal, 1991, 27, 255-261.	5.4	13
53	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