

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. <i>Liquid Crystals</i> , 2000, 27, 1525-1532.	0.9	41
2	Synthesis and ¹³ C CP/MAS NMR Characterization of Novel Thiophene-Based Nematogens. <i>Chemistry of Materials</i> , 2005, 17, 2013-2018.	3.2	40
3	A 2D Solid-State NMR Experiment To Resolve Overlapping Aromatic Resonances of Thiophene-Based Nematogens. <i>Journal of the American Chemical Society</i> , 2005, 127, 6958-6959.	6.6	36
4	Phase Characterization and Study of Molecular Order of a Three-Ring Mesogen by ¹³ C NMR in Smectic C and Nematic Phases. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11554-11565.	1.2	35
5	Solid-State NMR Characterization and Determination of the Orientational Order of a Nematogen. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19696-19703.	1.2	27
6	Synthesis and characterization of novel thermotropic liquid crystals containing a dimethylamino group. <i>Liquid Crystals</i> , 2004, 31, 1457-1462.	0.9	25
7	Solid-State NMR Characterization of a Novel Thiophene-Based Three Phenyl Ring Mesogen. <i>Chemistry of Materials</i> , 2005, 17, 4567-4569.	3.2	25
8	Determination of ¹³ C Chemical Shift Anisotropy Tensors and Molecular Order of 4-Hexyloxybenzoic Acid. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7508-7515.	1.1	25
9	Structural Characterization and Molecular Order of Rodlike Mesogens with Three- and Four-Ring Core by XRD and ¹³ C NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5718-5729.	1.2	22
10	Molecular topology of three ring nematogens from ¹³ C- ¹ H dipolar couplings. <i>RSC Advances</i> , 2014, 4, 33383-33390.	1.7	22
11	High-Resolution Solid State ¹³ C NMR Studies of Bent-Core Mesogens of Benzene and Thiophene. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15044-15053.	1.5	22
12	¹³ C- ¹ H dipolar couplings for probing rod-like hydrogen bonded mesogens. <i>New Journal of Chemistry</i> , 2013, 37, 3195.	1.4	21
13	Phenyl acrylates and divinyl benzene cross-linked copolymers as basic novel supports: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 1991, 43, 1645-1657.	1.3	20
14	Synthesis and Characterization of Two Phenyl Ring Core-Based Thiophene Mesogens. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 582, 1-14.	0.4	20
15	¹³ C NMR Studies, Molecular Order, and Mesophase Properties of Thiophene Mesogens. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15063-15074.	1.2	18
16	Monolayer to Interdigitated Partial Bilayer Smectic C Transition in Thiophene-Based Spacer Mesogens: X-ray Diffraction and ¹³ C Nuclear Magnetic Resonance Studies. <i>Langmuir</i> , 2015, 31, 10831-10842.	1.6	17
17	2-Octyl thiophene based three ring mesogens: solid state ¹³ C NMR and XRD investigations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19936-19947.	1.3	16
18	Three-Ring-Based Thermotropic Mesogens with a Dimethylamino Group: Structural Characterization, Photophysical Properties, and Molecular Order. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9477-9487.	1.5	14

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19	Phenyl methacrylate-glycidyl methacrylate copolymers: synthesis, characterization and reactivity ratios by spectroscopic methods. <i>Polymer</i> , 1991, 32, 3426-3432.	1.8	13
20	4-acetylphenyl acrylate-glycidyl methacrylate copolymers: synthesis, characterization and reactivity ratios. <i>European Polymer Journal</i> , 1991, 27, 255-261.	2.6	13
21	Chemical modification of crosslinked phenyl acrylate copolymers with monoethanolamine. <i>Polymer International</i> , 1992, 27, 75-80.	1.6	13
22	Morphology, Mesophase, and Molecular Order of 3-Hexyl Thiophene-Based π -Conjugated Mesogens. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17960-17971.	1.5	13
23	Isothermal and non-isothermal cold crystallization of tetrabenzofluorene (TBF) molecules. <i>New Journal of Chemistry</i> , 2019, 43, 9500-9506.	1.4	13
24	Synthesis and mesophase characterization of novel methacrylate based thermotropic liquid crystalline monomers and their polymers. <i>New Journal of Chemistry</i> , 2014, 38, 4357.	1.4	12
25	Isophthalic acid based mesogenic dimers: Synthesis and structural effects on mesophase properties. <i>Journal of Molecular Structure</i> , 2013, 1038, 126-133.	1.8	11
26	Synthesis, Structural and Mesophase Characterization of Three Ring Based Thiophene Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 593, 1-24.	0.4	11
27	Structural investigation of resorcinol based symmetrical banana mesogens by XRD, NMR and polarization measurements. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5236-5247.	1.3	11
28	¹³ C NMR investigations of molecular order of rod-like, bent-core, and thiophene mesogens. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 988-1009.	1.1	11
29	Influence of Thiophenes on Molecular Order, Mesophase, and Optical Properties of π -Conjugated Mesogens. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22257-22269.	1.5	10
30	Molecular Order and Mesophase Investigation of Thiophene-Based Forked Mesogens. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6897-6909.	1.2	10
31	Structural assignment and molecular order of three-ring mesogen by ¹³ C NMR spectroscopy in mesophase. <i>Liquid Crystals</i> , 2016, 43, 896-909.	0.9	10
32	Effect of alkyl chain and linking units on mesophase transitions and molecular order of rod-like thiophene mesogens: ¹³ C NMR investigation. <i>New Journal of Chemistry</i> , 2018, 42, 598-612.	1.4	9
33	Structure-property studies and orientation effects of polythiophenes containing mesogenic side chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 1463-1477.	2.4	8
34	Trimesic Acid-Based Star Mesogens with Flexible Spacer: Synthesis and Mesophase Characterization. <i>Australian Journal of Chemistry</i> , 2012, 65, 1426.	0.5	7
35	A New Series of Two-Ring-Based Side Chain Liquid Crystalline Polymers: Synthesis and Mesophase Characterization. <i>Australian Journal of Chemistry</i> , 2013, 66, 667.	0.5	7
36	¹³ C NMR Investigations of Hairy-Rod-Like π -Conjugated Mesogens. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5651-5664.	1.2	7

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37	3-Cyano thiophene-based π -conjugated mesogens: XRD and ^{13}C NMR investigations. <i>Liquid Crystals</i> , 2019, 46, 680-693.	0.9	7
38	Molecular Order of Topologically Variant Flexible Mesogens by ^{13}C Nuclear Magnetic Resonance. <i>Langmuir</i> , 2020, 36, 12620-12631.	1.6	7
39	2,4,6-Tribromophenyl acrylate-co-glycidyl methacrylate polymers: Synthesis, characterization, and reactivity ratios. <i>Journal of Polymer Science Part A</i> , 1992, 30, 2165-2172.	2.5	6
40	Novel metallomesogenic polyurethanes: Synthesis, characterization and properties. <i>Materials Science and Engineering C</i> , 2012, 32, 2258-2266.	3.8	6
41	^{13}C NMR investigations and the molecular order of 4-(trans-4-hexylcyclohexyl)-isothiocyanatobenzene (6CHBT). <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14713-14721.	1.3	6
42	Synthesis and characterization of phenyl acrylates crosslinked to hydroquinone diacrylate. <i>Macromolecules</i> , 1992, 25, 3338-3344.	2.2	5
43	Intramolecular charge transfer interactions and molecular order of rod like mesogens. <i>RSC Advances</i> , 2015, 5, 105066-105078.	1.7	5
44	^{13}C NMR investigations and molecular order of nematogens with biphenyl and bithiophene at terminus. <i>Liquid Crystals</i> , 2021, 48, 1477-1491.	0.9	4
45	^{13}C NMR investigations and order parameters of rod-like molecules with terminal phenyl and thiophene rings in mesogenic core. <i>Journal of Magnetic Resonance Open</i> , 2022, 10-11, 100055.	0.5	4
46	Star mesogens. Synthesis and structural characterization using 1D and 2D solution NMR techniques and mesophase characterization. <i>Canadian Journal of Chemistry</i> , 2013, 91, 196-205.	0.6	3
47	Novel macro metallomesogens derived from simple dihydroxy benzenes. <i>Inorganica Chimica Acta</i> , 2013, 397, 129-139.	1.2	3
48	Palladium (II) Catalyzed Arylation and Methylene Oxidation of 2,7-Dibromo Fluorenes with Heteroaryl Esters: Synthesis of Mesogenic 2-Heteroaryl and 2,7-Diheteroaryl Fluorenes. <i>ChemistrySelect</i> , 2019, 4, 1795-1799.	0.7	3
49	Novel Hydroxy- and Methyl-Terminated Triaromatic Schiff Base Compounds: Synthesis and Mesogenic Properties. <i>Australian Journal of Chemistry</i> , 2010, 63, 276.	0.5	2
50	Synthesis and mesophase characterization of methacrylate based three phenyl ring core side chain liquid crystalline copolymers. <i>Journal of Molecular Liquids</i> , 2018, 259, 416-423.	2.3	2
51	Strikingly different molecular organization and molecular order of tetracatenar mesogens in columnar mesophases revealed by XRD and ^{13}C NMR. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 23986-23997.	1.3	2
52	Structural Assignment of Side Chain Liquid Crystalline Monomer and Polymer by 1-D and 2-D Solution NMR Studies. <i>International Journal of Polymer Analysis and Characterization</i> , 2015, 20, 10-28.	0.9	1
53	(N1E,N2E)-N1,N2-Bis(4-hexyloxy-3-methoxybenzylidene)ethane-1,2-diamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1377-o1377.	0.2	0