

Hoda A Ahmed

List of Publications by Year in descending order

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papers

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185998

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#	ARTICLE	IF	CITATIONS
1	Investigation of Some Antiviral N-Heterocycles as COVID 19 Drug: Molecular Docking and DFT Calculations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3922.	1.8	148
2	Schiff base/ester liquid crystals with different lateral substituents: mesophase behaviour and DFT calculations. <i>Liquid Crystals</i> , 2019, 46, 1-11.	0.9	59
3	Mesophase behavior and DFT conformational analysis of new symmetrical diester chalcone liquid crystals. <i>Journal of Molecular Liquids</i> , 2019, 285, 96-105.	2.3	57
4	New wide-stability four-ring azo/ester/Schiff base liquid crystals: synthesis, mesomorphic, photophysical, and DFT approaches. <i>RSC Advances</i> , 2020, 10, 9643-9656.	1.7	53
5	Mesophase stability of new Schiff base ester liquid crystals with different polar substituents. <i>Liquid Crystals</i> , 2018, 45, 1324-1332.	0.9	51
6	Synthesis and mesophase behaviour of Schiff base/ester 4-(arylideneamino)phenyl-4-alkoxy benzoates and their binary mixtures. <i>Journal of Molecular Liquids</i> , 2019, 273, 266-273.	2.3	51
7	Polarity and steric effect of the lateral substituent on the mesophase behaviour of some newly prepared liquid crystals. <i>Liquid Crystals</i> , 2015, 42, 1351-1369.	0.9	50
8	Synthesis of Ag Nanoparticles-Decorated CNTs via Laser Ablation Method for the Enhancement the Photocatalytic Removal of Naphthalene from Water. <i>Nanomaterials</i> , 2021, 11, 2142.	1.9	44
9	The Synthesis of New Thermal Stable Schiff Base/Ester Liquid Crystals: A Computational, Mesomorphic, and Optical Study. <i>Molecules</i> , 2019, 24, 3032.	1.7	42
10	New two rings Schiff base liquid crystals; ball mill synthesis, mesomorphic, Hammett and DFT studies. <i>Journal of Molecular Liquids</i> , 2020, 299, 112161.	2.3	42
11	Effect of liquid media and laser energy on the preparation of Ag nanoparticles and their nanocomposites with Au nanoparticles via laser ablation for optoelectronic applications. <i>Optik</i> , 2021, 241, 167217.	1.4	42
12	DFT Calculations and Mesophase Study of Coumarin Esters and Its Azoesters. <i>Crystals</i> , 2018, 8, 359.	1.0	40
13	Impact of the proportionation of dialkoxy chain length on the mesophase behaviour of Schiff base/ester liquid crystals; experimental and theoretical study. <i>Liquid Crystals</i> , 2019, 46, 1611-1620.	0.9	40
14	Experimental and theoretical approaches of molecular geometry and mesophase behaviour relationship of laterally substituted azopyridines. <i>Liquid Crystals</i> , 2019, 46, 1440-1451.	0.9	39
15	Wide nematic phases induced by hydrogen-bonding. <i>Liquid Crystals</i> , 2019, 46, 550-559.	0.9	37
16	Synthesis, Optical, and Geometrical Approaches of New Natural Fatty Acids Esters/Schiff Base Liquid Crystals. <i>Molecules</i> , 2019, 24, 4293.	1.7	34
17	Mesomorphic and geometrical orientation study of the relative position of fluorine atom in some thermotropic liquid crystal systems. <i>Liquid Crystals</i> , 2020, 47, 404-413.	0.9	34
18	A new chiral boron-dipyromethene (BODIPY)-based fluorescent probe: molecular docking, DFT, antibacterial and antioxidant approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 5429-5442.	2.0	34

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19	Mesophase behaviour of 1:1 mixtures of 4- <i>n</i> -alkoxyphenylazo benzoic acids bearing terminal alkoxy groups of different chain lengths. <i>Liquid Crystals</i> , 2016, 43, 1259-1267.	0.9	32
20	New azobenzene-based natural fatty acid liquid crystals with low melting point: synthesis, DFT calculations and binary mixtures. <i>Liquid Crystals</i> , 2019, 46, 2223-2234.	0.9	32
21	Lateral protrusion and mesophase behaviour in pure and mixed states of model compounds of the type 4-(4- ϵ^2 -substituted phenylazo)-2-(or 3)-methyl phenyl-4'-alkoxy benzoates. <i>Liquid Crystals</i> , 2010, 37, 1245-1257.	0.9	31
22	Mesophase behavior of new linear supramolecular hydrogen-bonding complexes. <i>RSC Advances</i> , 2018, 8, 34937-34946.	1.7	31
23	New chair shaped supramolecular complexes-based aryl nicotinate derivative; mesomorphic properties and DFT molecular geometry. <i>RSC Advances</i> , 2019, 9, 16366-16374.	1.7	31
24	Experimental and Theoretical Approaches of New Nematogenic Chair Architectures of Supramolecular H-Bonded Liquid Crystals. <i>Molecules</i> , 2020, 25, 365.	1.7	31
25	Mesophase behaviour of azobenzene-based angular supramolecular hydrogen-bonded liquid crystals. <i>Liquid Crystals</i> , 2016, 43, 222-234.	0.9	30
26	Phase Behavior and DFT Calculations of Laterally Methyl Supramolecular Hydrogen-Bonding Complexes. <i>Crystals</i> , 2019, 9, 133.	1.0	30
27	Theoretical, experimental and optical study of new thiophene-based liquid crystals and their positional isomers. <i>Liquid Crystals</i> , 2020, 47, 1291-1302.	0.9	29
28	New architectures of supramolecular H-bonded liquid crystal complexes based on dipyrindine derivatives. <i>Liquid Crystals</i> , 2020, 47, 1811-1824.	0.9	29
29	Mesophase behaviour of laterally di-fluoro-substituted four-ring compounds. <i>Liquid Crystals</i> , 2015, 42, 1765-1772.	0.9	27
30	New Nitro-Laterally Substituted Azomethine Derivatives; Synthesis, Mesomorphic and Computational Characterizations. <i>Molecules</i> , 2021, 26, 1927.	1.7	27
31	Catalytic performance of NiO nanoparticles decorated carbon nanotubes via one-pot laser ablation method against methyl orange dye. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3336-3346.	2.6	27
32	Mesomorphic study and DFT simulation of calamitic Schiff base liquid crystals with electronically different terminal groups and their binary mixtures. <i>Liquid Crystals</i> , 2020, 47, 2292-2304.	0.9	26
33	Synthesis, mesomorphic and geometrical approaches of new non-symmetrical system based on central naphthalene moiety. <i>Liquid Crystals</i> , 2021, 48, 1940-1952.	0.9	25
34	Three-Component Synthesis of Some New Coumarin Derivatives as Anticancer Agents. <i>Frontiers in Chemistry</i> , 2021, 9, 762248.	1.8	25
35	Mesophase behavior of binary and ternary mixtures of benzoic acids bearing terminal substituents of different polarity and chain-lengths. <i>Thermochimica Acta</i> , 2014, 575, 122-128.	1.2	24
36	Impact of fluorine orientation on the optical properties of difluorophenylazophenyl benzoates liquid crystal. <i>Materials Chemistry and Physics</i> , 2018, 216, 316-324.	2.0	24

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37	Synthesis, Optical Characterizations and Solar Energy Applications of New Schiff Base Materials. <i>Materials</i> , 2021, 14, 3718.	1.3	23
38	Effect of alkoxy-chain length proportionation on the mesophase behaviour of terminally di-substituted phenylazo phenyl benzoates. <i>Liquid Crystals</i> , 2013, 40, 914-921.	0.9	22
39	Experimental and geometrical structure characterizations of new synthesized laterally fluorinated nematogenic system. <i>Liquid Crystals</i> , 2021, 48, 2106-2116.	0.9	22
40	Optical investigations and photoactive solar energy applications of new synthesized Schiff base liquid crystal derivatives. <i>Scientific Reports</i> , 2021, 11, 15046.	1.6	22
41	N-alkyl 2-pyridone versus O-alkyl 2-pyridol: Ultrasonic synthesis, DFT, docking studies and their antimicrobial evaluation. <i>Journal of Molecular Structure</i> , 2020, 1199, 126926.	1.8	21
42	Experimental and computational simulations of nematogenic liquid crystals based on cinnamic acid in pure and mixed state. <i>Liquid Crystals</i> , 2021, 48, 1493-1504.	0.9	21
43	Synthetic, Mesomorphic, and DFT Investigations of New Nematogenic Polar Naphthyl Benzoate Ester Derivatives. <i>Materials</i> , 2021, 14, 2587.	1.3	21
44	New calamitic thermotropic liquid crystals of 2-hydroxypyridine ester mesogenic core: mesophase behaviour and DFT calculations. <i>Liquid Crystals</i> , 2020, 47, 114-124.	0.9	20
45	Synthesis, Optical and DFT Characterizations of Laterally Fluorinated Phenyl Cinnamate Liquid Crystal Non-Symmetric System. <i>Symmetry</i> , 2021, 13, 1145.	1.1	20
46	Liquid crystalline behaviour of model compounds di-laterally substituted with different polar groups. <i>Liquid Crystals</i> , 2011, 38, 511-519.	0.9	19
47	New Symmetrical U- and Wavy-Shaped Supramolecular H-Bonded Systems; Geometrical and Mesomorphic Approaches. <i>Molecules</i> , 2020, 25, 1420.	1.7	19
48	Synthesis, Mesomorphic and Computational Characterizations of Nematogenic Schiff Base Derivatives in Pure and Mixed State. <i>Molecules</i> , 2021, 26, 2038.	1.7	19
49	Zinc oxide/carbon nanotubes nanocomposite: Synthesis, characterization and catalytic reduction of 4-nitrophenol via laser assistant method. <i>Surfaces and Interfaces</i> , 2021, 26, 101406.	1.5	19
50	Induced Phases of New H-bonded Supramolecular Liquid Crystal Complexes; Mesomorphic and Geometrical Estimation. <i>Molecules</i> , 2020, 25, 1549.	1.7	18
51	Optical and Thermal Investigations of New Schiff Base/Ester Systems in Pure and Mixed States. <i>Polymers</i> , 2021, 13, 1687.	2.0	18
52	Wide Nematogenic Azomethine/Ester Liquid Crystals Based on New Biphenyl Derivatives: Mesomorphic and Computational Studies. <i>Molecules</i> , 2022, 27, 4150.	1.7	18
53	Induced Nematic Phase of New Synthesized Laterally Fluorinated Azo/Ester Derivatives. <i>Molecules</i> , 2021, 26, 4546.	1.7	17
54	Mesomorphic and DFT diversity of Schiff base derivatives bearing protruded methoxy groups. <i>Liquid Crystals</i> , 2020, 47, 2222-2233.	0.9	16

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55	Thermal and Photophysical Studies of Binary Mixtures of Liquid Crystal with Different Geometrical Mesogens. <i>Crystals</i> , 2020, 10, 223.	1.0	16
56	Computational and molecular docking approaches of a New axially chiral BODIPY fluorescent dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 395, 112508.	2.0	15
57	2-(Alkylthio)-3-(Naphthalen-1-yl)Quinazolin-4(3 <i>H</i>)-Ones: Ultrasonic Synthesis, DFT and Molecular Docking Aspects. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 4034-4048.	1.4	15
58	Hybrid Nanofibrous Membranes as a Promising Functional Layer for Personal Protection Equipment: Manufacturing and Antiviral/Antibacterial Assessments. <i>Polymers</i> , 2021, 13, 1776.	2.0	15
59	Binary Liquid Crystal Mixtures Based on Schiff Base Derivatives with Oriented Lateral Substituents. <i>Crystals</i> , 2020, 10, 319.	1.0	14
60	Chair- and V-Shaped of H-bonded Supramolecular Complexes of Azophenyl Nicotinate Derivatives; Mesomorphic and DFT Molecular Geometry Aspects. <i>Molecules</i> , 2020, 25, 1510.	1.7	14
61	New Liquid Crystal Assemblies Based on Cyano-Hydrogen Bonding Interactions. <i>Frontiers in Chemistry</i> , 2021, 9, 679885.	1.8	14
62	Mesophase behavior of four ring ester/azomethine/ester liquid crystals in pure and mixed states. <i>Liquid Crystals</i> , 2022, 49, 1395-1402.	0.9	14
63	Effect of the Relative Orientation of the Two Fluoro-Substituents on the Mesophase Behavior of Phenylazophenyl Benzoates. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 562, 43-65.	0.4	13
64	Nematic Phase Induced from Symmetrical Supramolecular H-Bonded Systems Based on Flexible Acid Core. <i>Crystals</i> , 2020, 10, 801.	1.0	13
65	Synthesis, Phase Behavior and Computational Simulations of a Pyridyl-Based Liquid Crystal System. <i>Molecules</i> , 2021, 26, 6416.	1.7	13
66	Synthesis and mesomorphic study of new phenylthiophene liquid crystals. <i>Liquid Crystals</i> , 2022, 49, 804-811.	0.9	13
67	Mesophase stability in binary mixtures of monotropic nematogens. <i>Liquid Crystals</i> , 2015, 42, 70-80.	0.9	12
68	Mesomorphic, Optical and DFT Aspects of Near to Room-Temperature Calamitic Liquid Crystal. <i>Crystals</i> , 2020, 10, 1044.	1.0	12
69	Thermal behavior of binary mixtures of isomers of different molecular structures and different lateral substituent positions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 823-830.	2.0	11
70	Nematogenic Laterally Substituted Supramolecular H-Bonded Complexes Based on Flexible Core. <i>Crystals</i> , 2020, 10, 878.	1.0	11
71	Biodegradable Nanofibrous Membranes for Medical and Personal Protection Applications: Manufacturing, Anti-COVID-19 and Anti-Multidrug Resistant Bacteria Evaluation. <i>Materials</i> , 2021, 14, 3862.	1.3	11
72	New Self-Organizing Optical Materials and Induced Polymorphic Phases of Their Mixtures Targeted for Energy Investigations. <i>Polymers</i> , 2022, 14, 456.	2.0	11

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73	New Advanced Liquid Crystalline Materials Bearing Bis-Azomethine as Central Spacer. <i>Polymers</i> , 2022, 14, 1256.	2.0	11
74	Effect of dipole moment and conformation on the mesophase behavior of di-laterally substituted phenylazophenyl benzoate liquid crystals. <i>Thermochimica Acta</i> , 2011, 521, 202-210.	1.2	10
75	Optical and Geometrical Characterizations of Non-Linear Supramolecular Liquid Crystal Complexes. <i>Crystals</i> , 2020, 10, 701.	1.0	10
76	Experimental and Computational Approaches of Newly Polymorphic Supramolecular H-Bonded Liquid Crystal Complexes. <i>Frontiers in Chemistry</i> , 2020, 8, 571120.	1.8	10
77	Synthesis, Docking and Density Functional Theory Approaches on 1,3-Bis-3-(4-Chlorophenyl)-2,3-Dihydroquinazolin-4(1H)-on-2-Thioxopropane toward the Discovery of Dual Kinase Inhibitor. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 3736-3747.	1.4	10
78	New nematogenic conical-shaped supramolecular H-bonded complexes for solar energy investigations. <i>Scientific Reports</i> , 2021, 11, 17622.	1.6	10
79	Thermal and Mesomorphic Investigations of 1:1 Supramolecular Assemblies of 4-[(4-(n-Alkoxy)phenylimino)methyl]benzoic Acids Having Symmetrical and Un-Symmetrical Terminal Chain Lengths. <i>Symmetry</i> , 2021, 13, 1785.	1.1	10
80	Synthesis, Thermal and Optical Characterizations of New Lateral Organic Systems. <i>Crystals</i> , 2021, 11, 551.	1.0	9
81	New Liquid Crystals Based on Terminal Fatty Chains and Polymorphic Phase Formation from Their Mixtures. <i>Crystals</i> , 2022, 12, 350.	1.0	9
82	Optical, Structural, Electrical Characterization of (Polyvinyl Alcohol- α -Carboxymethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (Cellulose) Organometallic Polymers and Materials, 2022, 32, 2863-2872.	1.9	9
83	Induced Wide Nematic Phase by Seven-Ring Supramolecular H-Bonded Systems: Experimental and Computational Evaluation. <i>Molecules</i> , 2020, 25, 1694.	1.7	8
84	Novel sulphonic acid liquid crystal derivatives: experimental, computational and optoelectrical characterizations. <i>RSC Advances</i> , 2021, 11, 27937-27949.	1.7	8
85	Removal of Ni(II) Ions by Poly(Vinyl Alcohol)/Al ₂ O ₃ Nanocomposite Film via Laser Ablation in Liquid. <i>Membranes</i> , 2022, 12, 660.	1.4	8
86	New Rod-Like H-Bonded Assembly Systems: Mesomorphic and Geometrical Aspects. <i>Crystals</i> , 2020, 10, 795.	1.0	7
87	Effect of the Relative Positions of Di-Laterally Substituted Schiff Base Derivatives: Phase Transition and Computational Investigations. <i>Crystals</i> , 2021, 11, 870.	1.0	7
88	Polymorphic Phases of Supramolecular Liquid Crystal Complexes Laterally Substituted with Chlorine. <i>Polymers</i> , 2021, 13, 4292.	2.0	7
89	Multifunctional leather surface embedded with zinc oxide nanoparticles by pulsed laser ablation method. <i>Microscopy Research and Technique</i> , 2022, 85, 1611-1617.	1.2	7
90	Characterization of New H-Bonded Liquid Crystalline Complexes Based on Iminophenyl Nicotinate. <i>Crystals</i> , 2020, 10, 499.	1.0	6

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91	Synthesis, Mesomorphic, and Solar Energy Characterizations of New Non-Symmetrical Schiff Base Systems. <i>Frontiers in Chemistry</i> , 2021, 9, 686788.	1.8	6
92	Synthesis and Mesomorphic and Electrical Investigations of New Furan Liquid Crystal Derivatives. <i>Frontiers in Chemistry</i> , 2021, 9, 711862.	1.8	6
93	Experimental and Theoretical Investigations of Three-Ring Ester/Azomethine Materials. <i>Materials</i> , 2022, 15, 2312.	1.3	6
94	Synthesis, Molecular Docking, and DFT Calculation of a Half-Strapped BODIPY as Potential EGFR Inhibitor**. <i>ChemistrySelect</i> , 2020, 5, 13163-13173.	0.7	5
95	Modification and development of the optical, structural, thermal and electrical characterization of Chitosan incorporated with Au/Bi ₂ O ₃ /Mo NPs fabricated by laser ablation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 2729-2736.	1.9	5
96	Induced Smectic Phases from Supramolecular H-Bonded Complexes Based on Non-Mesomorphic Components. <i>Crystals</i> , 2021, 11, 940.	1.0	4