Hoda A Ahmed

List of Publications by Year in descending order

96 papers	2,188 citations	185998 28 h-index	315357 38 g-index
97 all docs	97 docs citations	97 times ranked	662 citing authors

#	Article	IF	Citations
1	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. Polycyclic Aromatic Compounds, 2022, 42, 3736-3747.	1.4	10
2	2-(Alkylthio)-3-(Naphthalen-1-yl)Quinazolin-4(3H)-Ones: Ultrasonic Synthesis, DFT and Molecular Docking Aspects. Polycyclic Aromatic Compounds, 2022, 42, 4034-4048.	1.4	15
3	New Self-Organizing Optical Materials and Induced Polymorphic Phases of Their Mixtures Targeted for Energy Investigations. Polymers, 2022, 14, 456.	2.0	11
4	Synthesis and mesomorphic study of new phenylthiophene liquid crystals. Liquid Crystals, 2022, 49, 804-811.	0.9	13
5	Mesophase behavior of four ring ester/azomethine/ester liquid crystals in pure and mixed states. Liquid Crystals, 2022, 49, 1395-1402.	0.9	14
6	New Advanced Liquid Crystalline Materials Bearing Bis-Azomethine as Central Spacer. Polymers, 2022, 14, 1256.	2.0	11
7	Experimental and Theoretical Investigations of Three-Ring Ester/Azomethine Materials. Materials, 2022, 15, 2312.	1.3	6
8	New Liquid Crystals Based on Terminal Fatty Chains and Polymorphic Phase Formation from Their Mixtures. Crystals, 2022, 12, 350.	1.0	9
9	Optical, Structural, Electrical Characterization of (Polyvinyl Alcoholâ€“Carboxymethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42 Organometallic Polymers and Materials, 2022, 32, 2863-2872.	1.9	9
10	Multifunctional leather surface embedded with zinc oxide nanoparticles by pulsed laser ablation method. Microscopy Research and Technique, 2022, 85, 1611-1617.	1.2	7
11	Catalytic performance of NiO nanoparticles decorated carbon nanotubes via one-pot laser ablation method against methyl orange dye. Journal of Materials Research and Technology, 2022, 18, 3336-3346.	2.6	27
12	Modification and development of the optical, structural, thermal and electrical characterization of Chitosan incorporated with Au/Bi2O3/Mo NPs fabricated by laser ablation. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2729-2736.	1.9	5
13	Wide Nematogenic Azomethine/Ester Liquid Crystals Based on New Biphenyl Derivatives: Mesomorphic and Computational Studies. Molecules, 2022, 27, 4150.	1.7	18
14	Removal of Ni(II) Ions by Poly(Vinyl Alcohol)/Al2O3 Nanocomposite Film via Laser Ablation in Liquid. Membranes, 2022, 12, 660.	1.4	8
15	Experimental and computational simulations of nematogenic liquid crystals based on cinnamic acid in pure and mixed state. Liquid Crystals, 2021, 48, 1493-1504.	0.9	21
16	New Nitro-Laterally Substituted Azomethine Derivatives; Synthesis, Mesomorphic and Computational Characterizations. Molecules, 2021, 26, 1927.	1.7	27
17	Synthesis, Mesomorphic and Computational Characterizations of Nematogenic Schiff Base Derivatives in Pure and Mixed State. Molecules, 2021, 26, 2038.	1.7	19
18	Synthetic, Mesomorphic, and DFT Investigations of New Nematogenic Polar Naphthyl Benzoate Ester Derivatives. Materials, 2021, 14, 2587.	1.3	21

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19	Hybrid Nanofibrous Membranes as a Promising Functional Layer for Personal Protection Equipment: Manufacturing and Antiviral/Antibacterial Assessments. Polymers, 2021, 13, 1776.	2.0	15
20	Synthesis, mesomorphic and geometrical approaches of new non-symmetrical system based on central naphthalene moiety. Liquid Crystals, 2021, 48, 1940-1952.	0.9	25
21	Optical and Thermal Investigations of New Schiff Base/Ester Systems in Pure and Mixed States. Polymers, 2021, 13, 1687.	2.0	18
22	Synthesis, Thermal and Optical Characterizations of New Lateral Organic Systems. Crystals, 2021, 11, 551.	1.0	9
23	New Liquid Crystal Assemblies Based on Cyano-Hydrogen Bonding Interactions. Frontiers in Chemistry, 2021, 9, 679885.	1.8	14
24	Synthesis, Optical and DFT Characterizations of Laterally Fluorinated Phenyl Cinnamate Liquid Crystal Non-Symmetric System. Symmetry, 2021, 13, 1145.	1.1	20
25	Experimental and geometrical structure characterizations of new synthesized laterally fluorinated nematogenic system. Liquid Crystals, 2021, 48, 2106-2116.	0.9	22
26	Biodegradable Nanofibrous Membranes for Medical and Personal Protection Applications: Manufacturing, Anti-COVID-19 and Anti-Multidrug Resistant Bacteria Evaluation. Materials, 2021, 14, 3862.	1.3	11
27	Optical investigations and photoactive solar energy applications of new synthesized Schiff base liquid crystal derivatives. Scientific Reports, 2021, 11, 15046.	1.6	22
28	Induced Nematic Phase of New Synthesized Laterally Fluorinated Azo/Ester Derivatives. Molecules, 2021, 26, 4546.	1.7	17
29	Effect of the Relative Positions of Di-Laterally Substituted Schiff Base Derivatives: Phase Transition and Computational Investigations. Crystals, 2021, 11, 870.	1.0	7
30	Synthesis, Optical Characterizations and Solar Energy Applications of New Schiff Base Materials. Materials, 2021, 14, 3718.	1.3	23
31	Induced Smectic Phases from Supramolecular H-Bonded Complexes Based on Non-Mesomorphic Components. Crystals, 2021, 11, 940.	1.0	4
32	Synthesis of Ag Nanoparticles-Decorated CNTs via Laser Ablation Method for the Enhancement the Photocatalytic Removal of Naphthalene from Water. Nanomaterials, 2021, 11, 2142.	1.9	44
33	New nematogenic conical-shaped supramolecular H-bonded complexes for solar energy investigations. Scientific Reports, 2021, 11, 17622.	1.6	10
34	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. Optik, 2021, 241, 167217.	1.4	42
35	Synthesis, Mesomorphic, and Solar Energy Characterizations of New Non-Symmetrical Schiff Base Systems. Frontiers in Chemistry, 2021, 9, 686788.	1.8	6
36	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. Symmetry, 2021, 13, 1785.	1.1	10

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37	Synthesis and Mesomorphic and Electrical Investigations of New Furan Liquid Crystal Derivatives. Frontiers in Chemistry, 2021, 9, 711862.	1.8	6
38	Zinc oxide/carbon nanotubes nanocomposite: Synthesis, characterization and catalytic reduction of 4-nitrophenol via laser assistant method. Surfaces and Interfaces, 2021, 26, 101406.	1.5	19
39	Novel sulphonic acid liquid crystal derivatives: experimental, computational and optoelectrical characterizations. RSC Advances, 2021, 11, 27937-27949.	1.7	8
40	Synthesis, Phase Behavior and Computational Simulations of a Pyridyl-Based Liquid Crystal System. Molecules, 2021, 26, 6416.	1.7	13
41	Three-Component Synthesis of Some New Coumarin Derivatives as Anticancer Agents. Frontiers in Chemistry, 2021, 9, 762248.	1.8	25
42	Polymorphic Phases of Supramolecular Liquid Crystal Complexes Laterally Substituted with Chlorine. Polymers, 2021, 13, 4292.	2.0	7
43	New calamitic thermotropic liquid crystals of 2-hydroxypyridine ester mesogenic core: mesophase behaviour and DFT calculations. Liquid Crystals, 2020, 47, 114-124.	0.9	20
44	N-alkyl 2-pyridone versus O-alkyl 2-pyridol: Ultrasonic synthesis, DFT, docking studies and their antimicrobial evaluation. Journal of Molecular Structure, 2020, 1199, 126926.	1.8	21
45	Mesomorphic and geometrical orientation study of the relative position of fluorine atom in some thermotropic liquid crystal systems. Liquid Crystals, 2020, 47, 404-413.	0.9	34
46	New two rings Schiff base liquid crystals; ball mill synthesis, mesomorphic, Hammett and DFT studies. Journal of Molecular Liquids, 2020, 299, 112161.	2.3	42
47	Theoretical, experimental and optical study of new thiophene-based liquid crystals and their positional isomers. Liquid Crystals, 2020, 47, 1291-1302.	0.9	29
48	A new chiral boron-dipyrromethene (BODIPY)-based fluorescent probe: molecular docking, DFT, antibacterial and antioxidant approaches. Journal of Biomolecular Structure and Dynamics, 2020, 38, 5429-5442.	2.0	34
49	New Rod-Like H-Bonded Assembly Systems: Mesomorphic and Geometrical Aspects. Crystals, 2020, 10, 795.	1.0	7
50	Mesomorphic study and DFT simulation of calamitic Schiff base liquid crystals with electronically different terminal groups and their binary mixtures. Liquid Crystals, 2020, 47, 2292-2304.	0.9	26
51	Mesomorphic, Optical and DFT Aspects of Near to Room-Temperature Calamitic Liquid Crystal. Crystals, 2020, 10, 1044.	1.0	12
52	Synthesis, Molecular Docking, and DFT Calculation of a Halfâ€Strapped BODIPY as Potential EGFR Inhibitor**. ChemistrySelect, 2020, 5, 13163-13173.	0.7	5
53	Nematic Phase Induced from Symmetrical Supramolecular H-Bonded Systems Based on Flexible Acid Core. Crystals, 2020, 10, 801.	1.0	13
54	Optical and Geometrical Characterizations of Non-Linear Supramolecular Liquid Crystal Complexes. Crystals, 2020, 10, 701.	1.0	10

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55	Experimental and Computational Approaches of Newly Polymorphic Supramolecular H-Bonded Liquid Crystal Complexes. Frontiers in Chemistry, 2020, 8, 571120.	1.8	10
56	Nematogenic Laterally Substituted Supramolecular H-Bonded Complexes Based on Flexible Core. Crystals, 2020, 10, 878.	1.0	11
57	Mesomorphic and DFT diversity of Schiff base derivatives bearing protruded methoxy groups. Liquid Crystals, 2020, 47, 2222-2233.	0.9	16
58	Binary Liquid Crystal Mixtures Based on Schiff Base Derivatives with Oriented Lateral Substituents. Crystals, 2020, 10, 319.	1.0	14
59	Investigation of Some Antiviral N-Heterocycles as COVID 19 Drug: Molecular Docking and DFT Calculations. International Journal of Molecular Sciences, 2020, 21, 3922.	1.8	148
60	New architectures of supramolecular H-bonded liquid crystal complexes based on dipyridine derivatives. Liquid Crystals, 2020, 47, 1811-1824.	0.9	29
61	New wide-stability four-ring azo/ester/Schiff base liquid crystals: synthesis, mesomorphic, photophysical, and DFT approaches. RSC Advances, 2020, 10, 9643-9656.	1.7	53
62	Thermal and Photophysical Studies of Binary Mixtures of Liquid Crystal with Different Geometrical Mesogens. Crystals, 2020, 10, 223.	1.0	16
63	Characterization of New H-Bonded Liquid Crystalline Complexes Based on Iminophenyl Nicotinate. Crystals, 2020, 10, 499.	1.0	6
64	Experimental and Theoretical Approaches of New Nematogenic Chair Architectures of Supramolecular H-Bonded Liquid Crystals. Molecules, 2020, 25, 365.	1.7	31
65	Computational and molecular docking approaches of a New axially chiral BODIPY fluorescent dye. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 395, 112508.	2.0	15
66	New Symmetrical U- and Wavy-Shaped Supramolecular H-Bonded Systems; Geometrical and Mesomorphic Approaches. Molecules, 2020, 25, 1420.	1.7	19
67	Chair- and V-Shaped of H-bonded Supramolecular Complexes of Azophenyl Nicotinate Derivatives; Mesomorphic and DFT Molecular Geometry Aspects. Molecules, 2020, 25, 1510.	1.7	14
68	Induced Phases of New H-bonded Supramolecular Liquid Crystal Complexes; Mesomorphic and Geometrical Estimation. Molecules, 2020, 25, 1549.	1.7	18
69	Induced Wide Nematic Phase by Seven-Ring Supramolecular H-Bonded Systems: Experimental and Computational Evaluation. Molecules, 2020, 25, 1694.	1.7	8
70	The Synthesis of New Thermal Stable Schiff Base/Ester Liquid Crystals: A Computational, Mesomorphic, and Optical Study. Molecules, 2019, 24, 3032.	1.7	42
71	New chair shaped supramolecular complexes-based aryl nicotinate derivative; mesomorphic properties and DFT molecular geometry. RSC Advances, 2019, 9, 16366-16374.	1.7	31
72	New azobenzene-based natural fatty acid liquid crystals with low melting point: synthesis, DFT calculations and binary mixtures. Liquid Crystals, 2019, 46, 2223-2234.	0.9	32

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73	Mesophase behavior and DFT conformational analysis of new symmetrical diester chalcone liquid crystals. Journal of Molecular Liquids, 2019, 285, 96-105.	2.3	57
74	Schiff base/ester liquid crystals with different lateral substituents: mesophase behaviour and DFT calculations. Liquid Crystals, 2019, 46, 1-11.	0.9	59
75	Experimental and theoretical approaches of molecular geometry and mesophase behaviour relationship of laterally substituted azopyridines. Liquid Crystals, 2019, 46, 1440-1451.	0.9	39
76	Impact of the proportionation of dialkoxy chain length on the mesophase behaviour of Schiff base/ester liquid crystals; experimental and theoretical study. Liquid Crystals, 2019, 46, 1611-1620.	0.9	40
77	Phase Behavior and DFT Calculations of Laterally Methyl Supramolecular Hydrogen-Bonding Complexes. Crystals, 2019, 9, 133.	1.0	30
78	Synthesis, Optical, and Geometrical Approaches of New Natural Fatty Acidsâ€™ Esters/Schiff Base Liquid Crystals. Molecules, 2019, 24, 4293.	1.7	34
79	Wide nematic phases induced by hydrogen-bonding. Liquid Crystals, 2019, 46, 550-559.	0.9	37
80	Synthesis and mesophase behaviour of Schiff base/ester 4-(arylideneamino)phenyl-4â€³-alkoxy benzoates and their binary mixtures. Journal of Molecular Liquids, 2019, 273, 266-273.	2.3	51
81	Mesophase stability of new Schiff base ester liquid crystals with different polar substituents. Liquid Crystals, 2018, 45, 1324-1332.	0.9	51
82	Mesophase behavior of new linear supramolecular hydrogen-bonding complexes. RSC Advances, 2018, 8, 34937-34946.	1.7	31
83	DFT Calculations and Mesophase Study of Coumarin Esters and Its Azoesters. Crystals, 2018, 8, 359.	1.0	40
84	Impact of fluorine orientation on the optical properties of difluorophenylazophenyl benzoates liquid crystal. Materials Chemistry and Physics, 2018, 216, 316-324.	2.0	24
85	Thermal behavior of binary mixtures of isomers of different molecular structures and different lateral substituent positions. Journal of Thermal Analysis and Calorimetry, 2016, 125, 823-830.	2.0	11
86	Mesophase behaviour of 1:1 mixtures of 4-n-alkoxyphenylazo benzoic acids bearing terminal alkoxy groups of different chain lengths. Liquid Crystals, 2016, 43, 1259-1267.	0.9	32
87	Mesophase behaviour of azobenzene-based angular supramolecular hydrogen-bonded liquid crystals. Liquid Crystals, 2016, 43, 222-234.	0.9	30
88	Mesophase stability in binary mixtures of monotropic nematogens. Liquid Crystals, 2015, 42, 70-80.	0.9	12
89	Polarity and steric effect of the lateral substituent on the mesophase behaviour of some newly prepared liquid crystals. Liquid Crystals, 2015, 42, 1351-1369.	0.9	50
90	Mesophase behaviour of laterally di-fluoro-substituted four-ring compounds. Liquid Crystals, 2015, 42, 1765-1772.	0.9	27

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91	Mesophase behavior of binary and ternary mixtures of benzoic acids bearing terminal substituents of different polarity and chain-lengths. Thermochimica Acta, 2014, 575, 122-128.	1.2	24
92	Effect of alkoxy-chain length proportionation on the mesophase behaviour of terminally di-substituted phenylazo phenyl benzoates. Liquid Crystals, 2013, 40, 914-921.	0.9	22
93	Effect of the Relative Orientation of the Two Fluoro-Substituents on the Mesophase Behavior of Phenylazophenyl Benzoates. Molecular Crystals and Liquid Crystals, 2012, 562, 43-65.	0.4	13
94	Effect of dipole moment and conformation on the mesophase behavior of di-laterally substituted phenylazophenyl benzoate liquid crystals. Thermochimica Acta, 2011, 521, 202-210.	1.2	10
95	Liquid crystalline behaviour of model compounds di-laterally substituted with different polar groups. Liquid Crystals, 2011, 38, 511-519.	0.9	19
96	Lateral protrusion and mesophase behaviour in pure and mixed states of model compounds of the type 4-(4â€²-substituted phenylazo)-2-(or 3-)methyl phenyl-4'-alkoxy benzoates. Liquid Crystals, 2010, 37, 1245-1257.	0.9	31