

Wan Ahmad Kamil Mahmood

List of Publications by Year in descending order

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72
papers

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304743

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docs citations

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times ranked

1385
citing authors

#	ARTICLE	IF	CITATIONS
1	Cholesteryl-based liquid crystal dimers containing a sulfur-sulfur link in the flexible spacer. <i>Liquid Crystals</i> , 2012, 39, 259-268.	2.2	127
2	Why do non-symmetric dimers intercalate? The synthesis and characterisation of the \pm -(4-benzylidene-substituted-aniline-4-oxo)-(2-methylbutyl-4-(4-phenyl)benzoateoxy)alkanes. <i>Liquid Crystals</i> , 2009, 36, 1431-1441.	2.2	117
3	Synthesis, crystal structure and spectroscopic study of para substituted 2-hydroxy-3-methoxybenzalideneanilines. <i>Journal of Molecular Structure</i> , 2003, 658, 87-99.	3.6	102
4	Synthesis, thermal and optical behaviour of non-symmetric liquid crystal dimers \pm -(4-benzylidene-substituted-aniline-4-oxo)-[pentyl-4-(4-phenyl)benzoateoxy]hexane. <i>Phase Transitions</i> , 2011, 84, 29-37.	1.3	78
5	SYNTHESIS AND MESOMORPHIC PROPERTIES OF SCHIFF BASE ESTERS ORTHO-HYDROXY-PARA-ALKYLOXYBENZYLIDENE-PARA-SUBSTITUTED ANILINES. <i>Molecular Crystals and Liquid Crystals</i> , 2004, 423, 73-84.	0.9	65
6	Synthesis and characterization of sol-gel alumina nanofibers. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 44, 177-186.	2.4	59
7	Synthesis and Characterization of Some New Mesogenic Schiff Base Esters N-[4-(4-n-Hexadecanoyloxybenzoyloxy)-Benzylidene]-4-Substituted Anilines. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 452, 73-90.	0.9	46
8	Effects of CuO on the morphology and conducting properties of PANI nanofibers. <i>Synthetic Metals</i> , 2012, 162, 1065-1072.	3.9	41
9	Synthesis and electronic structure of novel Schiff bases Ni/Cu (II) complexes: Evaluation of DNA/serum protein binding by spectroscopic studies. <i>Polyhedron</i> , 2017, 129, 1-8.	2.2	41
10	Epoxidation of alkenes by an oxidovanadium(IV) tetradentate Schiff base complex as an efficient catalyst with tert-butyl hydroperoxide. <i>Inorganica Chimica Acta</i> , 2017, 457, 116-121.	2.4	41
11	Novel nanohybrids of cobalt(III) Schiff base complexes and clay: Synthesis and structural determinations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 422-428.	3.9	39
12	Preparation of polyaniline-Al ₂ O ₃ composites nanofibers with controllable conductivity. <i>Materials Letters</i> , 2007, 61, 4947-4949.	2.6	38
13	Synthesis and mesomorphic properties of 7-acyloxy-(4-acyloxyphenyl)-4-hydroxy-1-benzopyran-4-one. <i>Liquid Crystals</i> , 2007, 34, 649-654.	2.2	28
14	The effects of ultrasound assisted extraction on antioxidative activity of polyphenolics obtained from <i>Momordica charantia</i> fruit using response surface approach. <i>Food Bioscience</i> , 2017, 17, 7-16.	4.4	28
15	Nucleophilic participation in the solvolysis of the -butyldimethylsulfonium ion. <i>Tetrahedron Letters</i> , 1982, 23, 4635-4638.	1.4	27
16	A New Emissive Chalcone-Based Chemosensor Armed by Coumarin and Naphthol with Fluorescence Turn-on Properties for Selective Detection of Fe ³⁺ Ions. <i>Journal of Fluorescence</i> , 2017, 27, 105-110.	2.5	27
17	Activity and selectivity of noble metal colloids for the hydrogenation of polyunsaturated soybean oil. <i>Journal of Molecular Catalysis A</i> , 2003, 191, 113-121.	4.8	26
18	Non-Symmetric Liquid Crystal Dimers: High Thermal Stability in Nematic Phase Enhanced by Thiophene-2-Carboxylate Moiety. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 506, 134-149.	0.9	26

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19	Sol-gel synthesis and morphology, thermal and optical properties of epoxidized natural rubber/zirconia hybrid films. <i>Journal of Non-Crystalline Solids</i> , 2013, 378, 152-157.	3.1	26
20	Characterisation of gelatin nanoparticles encapsulated with <i>Moringa oleifera</i> bioactive extract. <i>International Journal of Food Science and Technology</i> , 2016, 51, 2327-2337.	2.7	26
21	Synthesis and Phase Transition in New Chalcone Derivatives: Crystal Structure of 1-Phenyl-3-(4-undecylcarbonyloxyphenyl)-2-propen-1-one. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 442, 133-146.	0.9	25
22	Calamitic liquid crystals of 1,2,3-triazole connected to azobenzene: synthesis, characterisation and anisotropic properties. <i>Liquid Crystals</i> , 2014, 41, 776-783.	2.2	25
23	Syntheses and structural characteristics of new highly fluorinated di-tert-butyl-1,3,2,4-diazadiphosphetidines. <i>Inorganic Chemistry</i> , 1987, 26, 2829-2833.	4.0	21
24	An experimental and theoretical study on the interaction of DNA and BSA with novel Ni ²⁺ , Cu ²⁺ and VO ²⁺ complexes derived from vanillin bidentate Schiff base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 180, 144-153.	3.9	20
25	Synthesis, characterization and spectroscopic studies of nickel (II) complexes with some tridentate ONN donor Schiff bases and their electrocatalytic application for oxidation of methanol. <i>Journal of Molecular Liquids</i> , 2018, 249, 117-125.	4.9	20
26	Morphology and crystalline structure of polymer stabilized Pd nanoparticles. <i>Journal of Materials Chemistry</i> , 2001, 11, 2906-2908.	6.7	19
27	Thermal, surface, nanomechanical and electrical properties of epoxidized natural rubber (ENR-50)/ polyaniline composite films. <i>Current Applied Physics</i> , 2015, 15, 599-607.	2.4	19
28	Synthesis, characterization and molecular organization for induced smectic phase of triazole ring in non-symmetric liquid crystalline dimer. <i>Tetrahedron</i> , 2015, 71, 3939-3945.	1.9	19
29	(Trifluoromethyl)sulfonyl, (trifluoromethyl)sulfinyl, and (trifluoromethyl)sulfonyl derivatives of heterocyclic amines. <i>Inorganic Chemistry</i> , 1985, 24, 2126-2129.	4.0	18
30	Liquid crystal dimers containing Cholesteryl and Triazole-containing mesogenic units. <i>Liquid Crystals</i> , 2020, 47, 219-230.	2.2	18
31	Synthesis and reactions of substituted alkyl trifluoromethyl ethers. <i>Inorganic Chemistry</i> , 1986, 25, 376-380.	4.0	16
32	Immobilization of cobalt(III) Schiff base complexes onto Montmorillonite-K10: Synthesis, experimental and theoretical structural determination. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1582-1592.	3.9	16
33	Synthesis, thermal stabilities, and anisotropic properties of some new isoflavone-based esters 7-decanoyloxy-(4-substitutedphenyl)-1-benzopyranones. <i>Liquid Crystals</i> , 2008, 35, 315-323.	2.2	15
34	Optimisation of pressurised liquid extraction for antioxidative polyphenolic compound from <i>Momordica charantia</i> using response surface methodology. <i>International Journal of Food Science and Technology</i> , 2017, 52, 480-493.	2.7	15
35	Novel Nonsymmetric Trimeric Liquid Crystals Exhibiting Glassy Nematic State at Low Temperatures. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 487, 135-152.	0.9	14
36	Nanoencapsulation of intercalated montmorillonite-urea within PVA nanofibers: Hydrogel fertilizer nanocomposite. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45957.	2.6	14

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37	Synthesis and Anisotropic Properties of Azo-Bridged Benzothiazole-Phenyl Esters. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 557, 126-133.	0.9	13
38	Synthesis and phase transition studies on non-symmetric liquid crystal dimers: N-(4-(n-(4-(benzothiazol-2-yl)phenoxy)alkoxy)-benzylidene)-4-chloroanilines. <i>Phase Transitions</i> , 2012, 85, 483-496.	1.3	13
39	Alkyl chain self ordering, induction and suppression of mesophase by Cu(II) containing [1,2,3]-triazole-based bidentate salicylaldehyde ligands: synthesis, characterisation and X-ray diffraction studies. <i>Liquid Crystals</i> , 2014, 41, 1897-1910.	2.2	13
40	Non-symmetrical liquid crystal dimers armed with azobenzene and 1,2,3-triazole-cholesterol. <i>Liquid Crystals</i> , 2015, 42, 1337-1349.	2.2	13
41	Production and Characterization of Gelatin Spherical Particles Formed via Electrospraying and Encapsulated with Polyphenolic Antioxidants from <i>Momordica charantia</i> . <i>Food and Bioprocess Technology</i> , 2018, 11, 1943-1954.	4.7	12
42	Synthesis and Mesomorphic Properties of Symmetrical Dimers N,N'-Bis(3-Methoxy-4-Alkoxybenzylidene)-1,4-Phenylenediamine. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 452, 49-61.	0.9	11
43	Novel Fluorometric Turn On Detection of Aluminum by Chalcone-Based Chemosensor in Aqueous Phase. <i>Journal of Fluorescence</i> , 2017, 27, 2017-2022.	2.5	11
44	Synthesis, Fourier transform infrared, 1D and 2D NMR spectral studies on the conformation of two new cholesteryl 4-alkoxyphenyl-4-oxobenzoates. <i>Journal of Molecular Structure</i> , 2004, 687, 57-64.	3.6	10
45	Thermal and photo reversible gel-sol transition of azobenzene based liquid crystalline organogel. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 278, 19-24.	3.9	10
46	Synthesis, mesomorphic properties and X-ray diffraction studies on		

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55	Synthesis and molecular structure of asymmetric 2,2â€²-(4-(alkyloxy)-1,3-phenylene)bis(1-(4-substitutedphenyl)diazene): Crystal structure of 2,2â€²-(4-(octyloxy)-1,3-phenylene)bis(1-(4-chlorophenyl)diazene). Journal of Molecular Structure, 2008, 882, 1-8.	3.6	5
56	Molecular structureâ€™thermal behaviour relationship of dimers consisting of different terminal substituents and sulphurâ€™sulphur linking group. Journal of Molecular Structure, 2014, 1074, 666-672.	3.6	5
57	Synthesis of PANIâ€™CaO composite nanofibers with controllable diameter and electrical conductivity. Polymer Composites, 2015, 36, 359-366.	4.6	5
58	Twin effects of induction and stabilization of the SmA* phase by Cu(ii) using 4,4â€²-disubstituted salicylideneimine containing [1,2,3]-triazole and cholesterol arms. New Journal of Chemistry, 2015, 39, 6864-6873.	2.8	5
59	Synthesis and salient chemosensing properties of a new thiazole-azo derivative. Tetrahedron, 2017, 73, 5517-5521.	1.9	5
60	Experimental and theoretical structural determination, spectroscopy and electrochemistry of cobalt (III) Schiff base complexes: immobilization of complexes onto Montmorillonite-K10 nanoclay. Journal of the Iranian Chemical Society, 2018, 15, 369-380.	2.2	5
61	Fourier Transform Infrared and Conformational Analysis of Cholesteryl 4â€™Alkoxybenzoates in Solution. Spectroscopy Letters, 2004, 37, 319-336.	1.0	4
62	Inâ€™situ solâ€™gel synthesis of zirconia networks in flexible and conductive composite films. Journal of Applied Polymer Science, 2020, 137, 49506.	2.6	4
63	Synthesis and Phase Behaviour of Some New Isoflavone Derivatives. Ferroelectrics, 2008, 365, 65-77.	0.6	3
64	Effect of CuO on the Thermal Stability of Polyaniline Nanofibers. International Journal of Chemical Reactor Engineering, 2014, 12, 215-221.	1.1	2
65	Fabrication of Polyanilineâ€™La2O3 Composite Nanofibers Showing Effective Control of Morphology, Electrical Conductivity, and Thermal Stability. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1019-1028.	3.7	2
66	Molecular, spectroscopic and thermal studies on catechol, 4,5-dibromocatechol, resorcinol, hydroquinone and 4,4â€²-dihydroxybiphenyl derivatives armed with benzothiazole moieties. Journal of Molecular Structure, 2013, 1039, 189-196.	3.6	1
67	Inorganic-Organic Composite Materials from Liquid Natural Rubber and Epoxidised Natural Rubber Derivatives. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 128-140.	0.4	1
68	Effects of Preparation Approaches and Oxidizing agents on the Yield, Morphology and Thermal stability of Polyaniline. International Journal of Chemical Reactor Engineering, 2012, 10, .	1.1	0
69	Synthesis and Mesomorphic Properties of Uncoordinated Liquid Crystal Dimers Bis[4-[(4â€²-Decyloxyphenyl)Carboxylate]Salicylideneimino] Alkanes and Their Copper(II) Complexes. Molecular Crystals and Liquid Crystals, 2013, 587, 92-102.	0.9	0
70	A Comparative Study of Metal Oxides (CaO, CuO and CaO/CuO) Effects on the Morphology and Thermal Stability of PANI Nanofibers. Materials Science Forum, 2015, 819, 262-267.	0.3	0
71	Polyaniline Nanofibers: Synthesis, Properties, and Applications. , 2016, , 6101-6111.		0
72	Effects of CaO on the Yield and Thermal Properties of PANI Nanofibers. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	0