Wan Ahmad Kamil Mahmood

List of Publications by Year
in descending order

72 papers	1,527 citations	304743 22 h-index	345221 36 g-index
73 all docs	73 docs citations	73 times ranked	1385 citing authors

#	Article	IF	Citations
1	Liquid crystal dimers containing Cholesteryl and Triazole-containing mesogenic units. Liquid Crystals, 2020, 47, 219-230.	2.2	18
2	Inâ€šsitu solâ€“gel synthesis of zirconia networks in flexible and conductive composite films. Journal of Applied Polymer Science, 2020, 137, 49506.	2.6	4
3	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
4	Effects of CaO on the Yield and Thermal Properties of PANI Nanofibers. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	0
5	Synthesis, characterization and spectroscopic studies of nickel (II) complexes with some tridentate ONN donor Schiff bases and their electrocatalytic application for oxidation of methanol. Journal of Molecular Liquids, 2018, 249, 117-125.	4.9	20
6	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
7	Nanoencapsulation of intercalated montmorilloniteâ€urea within PVA nanofibers: Hydrogel fertilizer nanocomposite. Journal of Applied Polymer Science, 2018, 135, 45957.	2.6	14
8	Production and Characterization of Gelatin Spherical Particles Formed via Electrospraying and Encapsulated with Polyphenolic Antioxidants from Momordica charantia. Food and Bioprocess Technology, 2018, 11, 1943-1954.	4.7	12
9	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 144-153.	3.9	20
10	Optimisation of pressurised liquid extraction for antioxidative polyphenolic compound from Momordica charantia using response surface methodology. International Journal of Food Science and Technology, 2017, 52, 480-493.	2.7	15
11	Synthesis and electronic structure of novel Schiff bases Ni/Cu (II) complexes: Evaluation of DNA/serum protein binding by spectroscopic studies. Polyhedron, 2017, 129, 1-8.	2.2	41
12	Nanoencapsulation of montmorillonite clay within poly(ethylene glycol) nanobeads by electrospraying. Journal of Applied Polymer Science, 2017, 134, 45048.	2.6	7
13	Epoxidation of alkenes by an oxidovanadium(IV) tetradentate Schiff base complex as an efficient catalyst with tert-butyl hydroperoxide. Inorganica Chimica Acta, 2017, 457, 116-121.	2.4	41
14	Novel Fluorometric Turn On Detection of Aluminum by Chalcone-Based Chemosensor in Aqueous Phase. Journal of Fluorescence, 2017, 27, 2017-2022.	2.5	11
15	Synthesis and salient chemosensing properties of a new thiazole-azo derivative. Tetrahedron, 2017, 73, 5517-5521.	1.9	5
16	The effects of ultrasound assisted extraction on antioxidative activity of polyphenolics obtained from Momordica charantia fruit using response surface approach. Food Bioscience, 2017, 17, 7-16.	4.4	28
17	A New Emissive Chalcone-Based Chemosensor Armed by Coumarin and Naphthol with Fluorescence â€œTurn-onâ€•Properties for Selective Detection of Fâ^' Ions. Journal of Fluorescence, 2017, 27, 105-110.	2.5	27
18	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

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19	Sol-gel synthesis of polyaniline/zirconia composite conducting materials. Journal of Polymer Research, 2016, 23, 1.	2.4	9
20	Characterisation of gelatin nanoparticles encapsulated with Moringa oleifera bioactive extract. International Journal of Food Science and Technology, 2016, 51, 2327-2337.	2.7	26
21	Polyaniline Nanofibers: Synthesis, Properties, and Applications. , 2016, , 6101-6111.		0
22	Thermal, surface, nanomechanical and electrical properties of epoxidized natural rubber (ENR-50)/ polyaniline composite films. Current Applied Physics, 2015, 15, 599-607.	2.4	19
23	Synthesis of PANIâ€CaO composite nanofibers with controllable diameter and electrical conductivity. Polymer Composites, 2015, 36, 359-366.	4.6	5
24	New heterocyclic metallomesogens: synthesis, mesomorphic and thermal behaviours of Cu(II) complexes with 1,2,3-triazole-based Schiff bases ligands. Liquid Crystals, 2015, 42, 204-215.	2.2	9
25	Non-symmetrical liquid crystal dimers armed with azobenzene and 1,2,3-triazole-cholesterol. Liquid Crystals, 2015, 42, 1337-1349.	2.2	13
26	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
27	Synthesis, characterization and molecular organization for induced smectic phase of triazole ring in non-symmetric liquid crystalline dimer. Tetrahedron, 2015, 71, 3939-3945.	1.9	19
28	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
29	Immobilization of cobalt(III) Schiff base complexes onto Montmorillonite-K10: Synthesis, experimental and theoretical structural determination. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1582-1592.	3.9	16
30	An unprecedented DDQâ€“nickel(II)Salen complex interaction and X-ray crystal structure of nickel(II)Salen.DDH co-crystal. Polyhedron, 2015, 85, 488-492.	2.2	6
31	Effect of CuO on the Thermal Stability of Polyaniline Nanofibers. International Journal of Chemical Reactor Engineering, 2014, 12, 215-221.	1.1	2
32	Alkyl chain self ordering, induction and suppression of mesophase by Cu(II) containing [1,2,3]-triazole-based bidentate salicylaldimine ligands: synthesis, characterisation and X-ray diffraction studies. Liquid Crystals, 2014, 41, 1897-1910.	2.2	13
33	Thermal and photo reversible gelâ€“sol transition of azobenzene based liquid crystalline organogel. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 278, 19-24.	3.9	10
34	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
35	Novel nanohybrids of cobalt(III) Schiff base complexes and clay: Synthesis and structural determinations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 422-428.	3.9	39
36	Calamitic liquid crystals of 1,2,3-triazole connected to azobenzene: synthesis, characterisation and anisotropic properties. Liquid Crystals, 2014, 41, 776-783.	2.2	25

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37	Sol-gel synthesis and morphology, thermal and optical properties of epoxidized natural rubber/zirconia hybrid films. Journal of Non-Crystalline Solids, 2013, 378, 152-157.	3.1	26
38	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
39	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
40	Cholesteryl-based liquid crystal dimers containing a sulfurâ€“sulfur link in the flexible spacer. Liquid Crystals, 2012, 39, 259-268.	2.2	127
41	Effects of CuO on the morphology and conducting properties of PANI nanofibers. Synthetic Metals, 2012, 162, 1065-1072.	3.9	41
42	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
43	Synthesis and Anisotropic Properties of Azo-Bridged Benzothiazole-Phenyl Esters. Molecular Crystals and Liquid Crystals, 2012, 557, 126-133.	0.9	13
44	Synthesis and phase transition studies on non-symmetric liquid crystal dimers: N-(4-(n-(4-(benzothiazol-2-yl)phenoxy)alkyloxy)-benzylidene)-4-chloroanilines. Phase Transitions, 2012, 85, 483-496.	1.3	13
45	Synthesis, thermal and optical behaviour of non-symmetric liquid crystal dimers Î±-(4-benzylidene-substituted-aniline-4â€²-oxy)-Ï‰-[pentyl-4-(4â€²-phenyl)benzoateoxy]hexane. Phase Transitions, 2011, 84, 29-37.	1.3	78
46	Non-Symmetric Liquid Crystal Dimers: High Thermal Stability in Nematic Phase Enhanced by Thiophene-2-Carboxylate Moiety. Molecular Crystals and Liquid Crystals, 2009, 506, 134-149.	0.9	26
47	Synthesis, mesomorphic properties and X-ray diffraction studies on		

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55	Synthesis and mesomorphic properties of 7â€acyloxyâ€3â€(4â€acyloxyphenyl)â€4Hâ€1â€benzopyranâ€4â€one. Liquid Crystals, 2007, 34, 649-654.	2.2	28
56	Preparation of polyaniline-Al2O3 composites nanofibers with controllable conductivity. Materials Letters, 2007, 61, 4947-4949.	2.6	38
57	Synthesis and characterization of solâ€“gel alumina nanofibers. Journal of Sol-Gel Science and Technology, 2007, 44, 177-186.	2.4	59
58	Synthesis and Mesomorphic Properties of Symmetrical Dimers N,Nâ€²-Bis(3-Methoxy-4-Alkoxybenzylidene)-1,4-Phenylenediamine. Molecular Crystals and Liquid Crystals, 2006, 452, 49-61.	0.9	11
59	Synthesis and Characterization of Some New Mesogenic Schief Base Esters N-[4-(4-n-Hexadecanoyloxybenzoyloxy)-Benzylidene]-4-Substituted Anilines. Molecular Crystals and Liquid Crystals, 2006, 452, 73-90.	0.9	46
60	Smectogenic properties of N,Nâ€²â€bis[(2â€hydroxyâ€4â€alkoxyphenyl)methylene]benzeneâ€1,4â€diamine liquid crystals with double lateral Hâ€bonds. Liquid Crystals, 2006, 33, 979-986.	2.2	6
61	Synthesis and Phase Transition in New Chalcone Derivatives: Crystal Structure of 1-Phenyl-3-(4â€²-undecylcarbonyloxyphenyl)-2-propen-1-one. Molecular Crystals and Liquid Crystals, 2005, 442, 133-146.	0.9	25
62	Synthesis, Fourier transform infrared, 1D and 2D NMR spectral studies on the conformation of two new cholesteryl 4-alkoxyphenyl-4â€² benzoates. Journal of Molecular Structure, 2004, 687, 57-64.	3.6	10
63	Fourier Transform Infrared and Conformational Analysis of Cholesteryl 4â€nâ€Alkoxybenzoates in Solution. Spectroscopy Letters, 2004, 37, 319-336.	1.0	4
64	SYNTHESIS AND MESOMORPHIC PROPERTIES OF SCHIFF BASE ESTERS ORTHO-HYDROXY-PARA-ALKYLOXYBENZYLIDENE-PARA-SUBSTITUTED ANILINES. Molecular Crystals and Liquid Crystals, 2004, 423, 73-84.	0.9	65
65	Synthesis, crystal structure and spectroscopic study of para substituted 2-hydroxy-3-methoxybenzalideneanilines. Journal of Molecular Structure, 2003, 658, 87-99.	3.6	102
66	Activity and selectivity of noble metal colloids for the hydrogenation of polyunsaturated soybean oil. Journal of Molecular Catalysis A, 2003, 191, 113-121.	4.8	26
67	Morphology and crystalline structure of polymer stabilized Pd nanoparticles. Journal of Materials Chemistry, 2001, 11, 2906-2908.	6.7	19
68	Syntheses and structural characteristics of new highly fluorinated di-tert-butyl-1,3,2,4-diazadiphosphetidines. Inorganic Chemistry, 1987, 26, 2829-2833.	4.0	21
69	Synthesis and reactions of substituted alkyl trifluoromethyl ethers. Inorganic Chemistry, 1986, 25, 376-380.	4.0	16
70	(Trifluoromethyl)sulfenyl, (trifluoromethyl)sulfinyl, and (trifluoromethyl)sulfonyl derivatives of heterocyclic amines. Inorganic Chemistry, 1985, 24, 2126-2129.	4.0	18
71	Solvent nucleophilicity of 2,2,2-trifluoroethanol-ethanol mixtures. Journal of Organic Chemistry, 1982, 47, 3785-3787.	3.2	8
72	Nucleophilic participation in the solvolysis of the -butyldimethylsulfonium ion. Tetrahedron Letters, 1982, 23, 4635-4638.	1.4	27