

Solhe F Alshahateet

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Recent advances in natural polymer-based hydroxyapatite scaffolds: Properties and applications. <i>European Polymer Journal</i> , 2021, 148, 110360.	5.4	73
2	Effect of the Acid Activation Levels of Montmorillonite Clay on the Cetyltrimethylammonium Cations Adsorption. <i>Langmuir</i> , 2005, 21, 8717-8723.	3.5	58
3	Characterization and thermal stability properties of intercalated Na-magadiite with cetyltrimethylammonium (C16TMA) surfactants. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 926-931.	4.0	51
4	Role of Double C-H...N Weak Hydrogen Bonding Motifs in N-Heteroaromatic Inclusion Chemistry. <i>Crystal Growth and Design</i> , 2004, 4, 837-844.	3.0	44
5	Reaction of acid activated montmorillonites with hexadecyl trimethylammonium bromide solution. <i>Applied Clay Science</i> , 2009, 43, 357-363.	5.2	44
6	Effect of the acid-activated clays on the properties of porous clay heterostructures. <i>Journal of Porous Materials</i> , 2006, 13, 319-324.	2.6	41
7	Dimeric C-H...N interactions and the crystal engineering of new inclusion host molecules. <i>CrystEngComm</i> , 2001, 3, 225-229.	2.6	37
8	Synthesis and Supramolecularity of Hydrogen-Bonded Cocrystals of Pharmaceutical Model <i>rac</i> -Ibuprofen with Pyridine Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 533, 152-161.	0.9	35
9	The Pi...Halogen Dimer (PHD) Interaction: A Versatile New Construction Unit for Crystal Engineering. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 440, 173-186.	0.9	33
10	Functionalized graphene-based nanocomposites for smart optoelectronic applications. <i>Nanotechnology Reviews</i> , 2021, 10, 605-635.	5.8	28
11	Binding of Glycine and L-Cysteine on Si(111)-7x7. <i>Langmuir</i> , 2007, 23, 6218-6226.	3.5	27
12	A Dinitrodiphenyldiquinoline Host for Selective Inclusion of Polar Guests. <i>Crystal Growth and Design</i> , 2006, 6, 1676-1683.	3.0	25
13	An oxa-bridged tetrahalo aryl lattice inclusion host. <i>CrystEngComm</i> , 2003, 5, 417.	2.6	22
14	New edge...edge packing motifs present in the crystal structures of a thia-bridged tetrabromo aryl host. <i>CrystEngComm</i> , 2005, 7, 139-142.	2.6	22
15	Phenol removal from aqueous solution using synthetic V-shaped organic adsorbent: Kinetics, isotherm, and thermodynamics studies. <i>Chemical Physics Letters</i> , 2021, 781, 138959.	2.6	22
16	The Janus-like behaviour of sulfur in substituted diquinoline inclusion crystal structures. <i>CrystEngComm</i> , 2008, 10, 297-305.	2.6	21
17	Anomalous Inclusion Behavior Shown by a Thia-Bridged Diquinoline Derivative. <i>Crystal Growth and Design</i> , 2010, 10, 1842-1847.	3.0	21
18	The ether...1,3-peri aromatic hydrogen interaction. <i>CrystEngComm</i> , 2001, 3, 107-110.	2.6	20

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19	Interlocking molecular grid lattices involving weak assembly forces. <i>CrystEngComm</i> , 2002, 4, 585.	2.6	20
20	Exploring the thumbprints of Ag-hydroxyapatite composite as a surface coating bone material for the implants. <i>Journal of Materials Research and Technology</i> , 2020, 9, 12824-12833.	5.8	20
21	Photocatalytic Efficiency of Titanium Dioxide for Dyes and Heavy Metals Removal from Wastewater. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2022, 17, 430-450.	1.1	19
22	Photocatalytic activity and antibacterial efficacy of titanium dioxide nanoparticles mediated by <i>Myristica fragrans</i> seed extract. <i>Chemical Physics Letters</i> , 2021, 771, 138527.	2.6	18
23	Pseudopolymorphic Clathrate Structures Formed by an Alicyclic Dialcohol Inclusion Host. <i>Structural Chemistry</i> , 2001, 12, 251-257.	2.0	17
24	Binding Mechanisms of Methacrylic Acid and Methyl Methacrylate on Si(111)-7Å—7Effect of Substitution Groups. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19831-19838.	2.6	17
25	Clathrate inclusion behaviour of thia-substituted diquinoline host molecules. <i>CrystEngComm</i> , 2001, 3, 265.	2.6	16
26	Synthesis and X-ray Crystallographic Analysis of Pharmaceutical Model Rac-Ibuprofen Cocrystal. <i>Journal of Chemical Crystallography</i> , 2011, 41, 276-279.	1.1	16
27	Enhanced Guest Inclusion by a Sulfur-Containing Diquinoline Host. <i>Crystal Growth and Design</i> , 2011, 11, 4474-4483.	3.0	15
28	Co-crystalline hydrogen bonded solids based on the alcoholâ€“carboxylic acidâ€“alcohol supramolecular motif. <i>CrystEngComm</i> , 2004, 6, 5-10.	2.6	14
29	Synthesis of 4H-benzo[e]-1,2-selanzin-4-one derivatives: a new heterocyclic ring system. <i>Tetrahedron Letters</i> , 2007, 48, 7448-7451.	1.4	14
30	Synthesis, supramolecularity and in vitro antimicrobial activity of 3a,8a-dihydroxy-2-thioxo-1,3,3a,8a-tetrahydroindeno[1,2-d]imidazol-8(2H)-one. <i>Journal of Molecular Structure</i> , 2011, 1005, 152-155.	3.6	14
31	Enhanced photocatalytic degradation efficiency of graphitic carbon nitride-loaded CeO ₂ nanoparticles. <i>Chemical Physics Letters</i> , 2021, 769, 138441.	2.6	14
32	Synthesis and Supramolecularity of C-Phenylcalix[4] Pyrogallolarenes: Temperature Effect on the Formation of Different Isomers. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 474, 89-110.	0.9	12
33	Synthesis, Antimicrobial and Cholinesterase Enzymes Inhibitory Activities of Indeno Imidazoles and X-Ray Crystal Structure of 3a,8a-Dihydroxy-1,3-diphenyl-1,3,3a,8a-tetrahydro-indeno[1,2-d]imidazole-2,8-dione. <i>Journal of Chemical Crystallography</i> , 2012, 42, 783-789.	1.1	12
34	Bone tissue engineering potentials of 3D printed magnesiumâ€“hydroxyapatite in polylactic acid composite scaffolds. <i>Artificial Organs</i> , 2021, 45, 1501-1512.	1.9	12
35	Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO ₂ nanoparticles. <i>Chemical Physics Letters</i> , 2021, 780, 138897.	2.6	12
36	A [4+2]-like Cycloaddition of Methyl Methacrylate on Si(100)-2Å—1. <i>Langmuir</i> , 2005, 21, 11722-11728.	3.5	11

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37	Different solvents yield alternative crystal forms through aromatic, halogen bonding and hydrogen bonding competition. <i>CrystEngComm</i> , 2015, 17, 877-888.	2.6	10
38	Host pre-resolution versus self-resolution in the formation of helical tubulate inclusion compounds. <i>CrystEngComm</i> , 2002, 4, 42.	2.6	9
39	Effect of pillared clays on the hydroisomerization of n-heptane. <i>Catalysis Today</i> , 2008, 131, 244-249.	4.4	9
40	A facile synthesis of 3,5-dimethyl-4-hydroxybenzaldehyde via copper-mediated selective oxidation of 2,4,6-trimethylphenol. <i>Catalysis Today</i> , 2008, 131, 423-426.	4.4	9
41	Synthesis, Characterization, Crystal Structure, and Stability of ϵ -5,5-dimethyl- β -oxocyclohexan-1-yl Hydrazinocarbothioamide: A Combined Experimental and Theoretical Study. <i>ChemistrySelect</i> , 2017, 2, 6699-6709.	1.5	9
42	Kinetic, equilibrium and selectivity studies of heavy metal ions (Pb(II), Co(II), Cu(II), Mn(II), and Zn(II)) removal from water using synthesized C-4-methoxyphenylcalix[4]resorcinarene adsorbent. <i>Desalination and Water Treatment</i> , 0, , 1-11.	1.0	8
43	Coexistence of ketenimine species and tetra- β adduct at acetyl cyanide/Si(100)-2Å-1. <i>Chemical Physics Letters</i> , 2005, 411, 75-80.	2.6	7
44	Supramolecular Interactions Involved in the Solid State Structure of N,N'-[bis(pyridin-2-yl)formylidene]ethane-1,2-diamine. <i>Croatia Chemica Acta</i> , 2014, 87, 123-128.	0.4	6
45	Synthesis, growth, supramolecularity and antibacterial efficacy of 3,4-dimethoxybenzoic acid single crystals. <i>Chemical Physics Letters</i> , 2021, 764, 138269.	2.6	6
46	Facile fabrication of Au-loaded CdO nanoconstructs with tuned properties for photocatalytic and biomedical applications. <i>Journal of Nanostructure in Chemistry</i> , 2021, 11, 561-572.	9.1	6
47	Effect of Temperature, Syngas Space Velocity and Catalyst Stability of Co-Mn/CNT Bimetallic Catalyst on Fischer Tropsch Synthesis Performance. <i>Catalysts</i> , 2021, 11, 846.	3.5	6
48	Structural and Antimicrobial Activity Analyses of Different Forms of Sulfur-Nitrogen Containing Heterocyclic Supramolecule. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1807-1811.	1.1	5
49	Ternary Inclusion System of Chair Conformation of 4,6,10,12,16,18,22,24-Octahydroxy-2,8,14,20-tetraphenyl-resorcin[4]arene: Selective Green Synthesis, Supramolecular Behavior, and Biological Activity. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 605, 206-215.	0.9	5
50	Synthesis and characterization of polypyrrole-coated iron oxide nanoparticles. <i>Materials Research Express</i> , 2021, 8, 025007.	1.6	5
51	Kinetics and equilibrium studies for the removal of heavy metal ions from aqueous solution using the synthesized C-4-bromophenylcalix[4]resorcinarene adsorbent. <i>Chemical Physics Letters</i> , 2021, 783, 139053.	2.6	5
52	Release of organic contaminants migrating from polyvinyl chloride polymeric into drinking water under three successive stagnant periods of time. , 0, 149, 105-116.		5
53	Synthesis and Structural Chemistry of a Ternary Calix[4]arene Lattice Inclusion System. <i>Journal of Chemical Crystallography</i> , 2010, 40, 191-194.	1.1	4
54	New Approach for Base Catalyzed Eco-Friendly FriedlÄnder Synthesis of Racemic 2,10-Dinitro-8,16-diphenyl-6,7,14,15-tetrahydro-7,15-methanocycloocta[1,2- <i>b</i> :5,6- <i>b'</i>]-diquinoline-Propanoic Acid Cocrystal: Thermal Properties, Antibacterial Activity, and Self-Assembly. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 607, 169-180.	0.9	4

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55	Dissociation and [2+2]-like Cycloaddition of Unsaturated Chain Amines on Si(111)-7Å ² . Journal of Physical Chemistry C, 2007, 111, 6732-6739.	3.1	3
56	Halogen containing clusters N2Br2, N2Br4, S2Br4 and S2Br6 yield penannular inclusion compounds. CrystEngComm, 2015, 17, 9111-9122.	2.6	3
57	A facile approach for the synthesis of indenoimidazole derivatives and their supramolecular study. Journal of Chemical Sciences, 2016, 128, 1841-1847.	1.5	3
58	Selective Solvent-Free FriedlÄnder Synthesis and Supramolecular Chemistry of 13,14-Diphenyl-6,7-Dihydrodibenzo[B,J][4,7]Phenanthroline. Jordan Journal of Chemistry, 2014, 9, 59-68.	0.2	3
59	Solid State Structure of 6,7-Dihydro-1,4-Di(2-Ä ² -Pyridyl)-5H-Cyclopenta[d]Pyridazine. Journal of Chemical Crystallography, 2009, 39, 564-567.	1.1	2
60	Synthesis and X-Ray Crystallographic Analyses of a Ternary Inclusion Complex of Racemic V-Shaped Diheteroaromatic Host with Formic Acid and Water. Journal of Chemical Crystallography, 2011, 41, 570-576.	1.1	2
61	Crystallographic Analyses of High-Z Value Structure of a Pyridinium-Ä ⁻ Carboxylate Complex. Journal of Chemical Crystallography, 2011, 41, 708-714.	1.1	2
62	Star fruit extract-mediated green synthesis of metal oxide nanoparticles. Inorganic and Nano-Metal Chemistry, 2022, 52, 173-180.	1.6	2
63	Solvent-Free Synthesis and Crystal Structure of 9,10-Dihydro-9,10-diphenylanthracene-2,3,6,7-tetraol Inclusion Compounds. Molecular Crystals and Liquid Crystals, 2007, 473, 59-66.	0.9	1
64	Effect of Adding Bromine Sensors to the Central Linker of New Diquinoline Derivative. Molecular Crystals and Liquid Crystals, 2008, 493, 95-102.	0.9	1
65	ew pyridazinium-based ionic liquids: An eco-friendly ultrasound-assisted synthesis, characterization and biological activity. South African Journal of Chemistry, 2015, , .	0.6	1
66	Molecularly designed functional materials; can we really control their supramolecularity?. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c353-c354.	0.3	0
67	The Ä ⁻ -Halogen Dimer (PHD) Interaction: A Versatile New Construction Unit for Crystal Engineering. ChemInform, 2006, 37, no.	0.0	0
68	Synthesis and supramolecular interactions involved in the crystal structure of (2,4,10,12-tetrabromo-6,7,14,15-tetrahydro-6,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (14-thiacycloocta[1,2-b:5,6-bÄ TM]diquinol Crystals and Liquid Crystals, 2016, 625, 186-194.	0.9	0