

Talal F Al-Azemi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	External-stimulus-triggered conformational inversion of mechanically self-locked <i>pseudo</i> [1]catenane and <i>gemini</i> -catenanes based on A1/A2-alkyne-azide-difunctionalized pillar[5]arenes. <i>RSC Advances</i> , 2022, 12, 1797-1806.	3.6	2
2	Linear Supramolecular Polymer Driven by Br...Br and Br...H Non-bonding Interactions Based on Inclusion-Complex of Octabromo-Functionalized Pillar[a]rene. <i>Journal of Chemical Crystallography</i> , 2022, 52, 399-406.	1.1	2
3	Cavitand and Flexible Amphiphilic Resorcin[4]arenes: Structural Characterization and Supramolecular Interactions in Crystal Networks. <i>Journal of Chemical Crystallography</i> , 2021, 51, 98-107.	1.1	4
4	Concentration-dependent supramolecular self-assembly of A1/A2-asymmetric-difunctionalized pillar[5]arene. <i>RSC Advances</i> , 2021, 11, 2995-3002.	3.6	4
5	Pillar[5]arene-based self-assembled linear supramolecular polymer driven by guest halogen-halogen interactions in solid and solution states. <i>Polymer Chemistry</i> , 2020, 11, 3305-3312.	3.9	15
6	Synthesis, functionalization, and isolation of planar-chiral pillar[5]arenes with bulky substituents using a chiral derivatization agent. <i>RSC Advances</i> , 2019, 9, 23295-23301.	3.6	8
7	Chiral discrimination of 2-heptylaminium salt by planar-chiral monohydroxy-functionalized pillar[5]arenes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 603-610.	4.5	20
8	Constitutional isomers of brominated-functionalized copillar[5]arenes: synthesis, characterization, and crystal structures. <i>RSC Advances</i> , 2019, 9, 13814-13819.	3.6	7
9	A new approach for the synthesis of mono- and A1/A2-dihydroxy-substituted pillar[5]arenes and their complexation with alkyl alcohols in solution and in the solid state. <i>Organic Chemistry Frontiers</i> , 2018, 5, 10-18.	4.5	23
10	An alternative route for the synthesis of hydroxylated pillar[5]arene-based amphiphiles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7513-7517.	2.8	8
11	Single-crystal X-ray diffraction study of a host-guest system comprising monofunctionalized-hydroxy pillar[5]arene and 1-octanamine. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1117-1120.	0.5	2
12	Encapsulated dichloroethane-mediated interlocked supramolecular polymeric assembly of A1/A2-dihydroxy-octyloxy pillar[5]arene 1,2-dichloroethane monosolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1471-1474.	0.5	0
13	Constitutional Isomers of Pentahydroxy-Functionalized Pillar[5]arenes: Synthesis, Characterization, and Crystal Structures. <i>Journal of Organic Chemistry</i> , 2017, 82, 10945-10952.	3.2	22
14	Bis-resorcin[4]arene-bridged porphyrin conjugates: synthesis, fluorescence and binding studies. <i>RSC Advances</i> , 2016, 6, 76482-76489.	3.6	3
15	Effect of the resorcin[4]arene host on the catalytic epoxidation of a Mn(III)-based resorcin[4]arene-metalloporphyrin conjugate. <i>RSC Advances</i> , 2015, 5, 88154-88159.	3.6	6
16	Influence of a resorcin[4]arene core structure on the spatial directionality of multi-arm poly(μ -caprolactone)s. <i>RSC Advances</i> , 2014, 4, 16864-16870.	3.6	14
17	Improved microwave synthesis of unsymmetrical N,N'-diaryl-1,2-aminoethane and imidazolidinium salts as precursors of N-heterocyclic carbenes. <i>RSC Advances</i> , 2014, 4, 38869-38876.	3.6	8
18	Sequential Staudinger ketene-imine cycloaddition, RCM approach to polycyclic macrocyclic bisazetidiones. <i>RSC Advances</i> , 2013, 3, 6408.	3.6	13

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19	Molecular Assemblies of Porphyrins and Macrocyclic Receptors: Recent Developments in Their Synthesis and Applications. <i>Molecules</i> , 2012, 17, 11763-11799.	3.8	54
20	Synthesis of porphyrin conjugates based on conformationally rigid and flexible resorcin[4]arene frameworks. <i>Tetrahedron</i> , 2011, 67, 2585-2590.	1.9	18
21	Synthesis of Functional Polycarbonates from Renewable Resources. <i>ACS Symposium Series</i> , 2010, , 175-199.	0.5	3
22	One-Shot Block Copolymerization of a Functional Seven-Membered Cyclic Carbonate Derived from l-Tartaric Acid with ϵ -Caprolactone. <i>Macromolecules</i> , 2009, 42, 2401-2410.	4.8	27
23	Spatially directional multiarm poly(ϵ -caprolactone) based on resorcin[4]arene cavitand core. <i>Chemical Communications</i> , 2009, , 1822-1824.	4.1	21
24	Solventless Enantioselective Ring-Opening Polymerization of Substituted ϵ -Caprolactones by Enzymatic Catalysis. <i>Macromolecules</i> , 2002, 35, 3380-3386.	4.8	86
25	Biocatalytic Synthesis of Novel Functional Polycarbonates. <i>ACS Symposium Series</i> , 2002, , 156-171.	0.5	1
26	One-step synthesis of polycarbonates bearing pendant carboxyl groups by lipase-catalyzed ring-opening polymerization. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1267-1274.	2.3	46
27	Enzyme-Catalyzed Ring-Opening Copolymerization of 5-Methyl-5-benzyloxycarbonyl-1,3-dioxan-2-one (MBC) with Trimethylene Carbonate (TMC): Synthesis and Characterization. <i>Biomacromolecules</i> , 2000, 1, 493-500.	5.4	94
28	Novel Functional Polycarbonate by Lipase-Catalyzed Ring-Opening Polymerization of 5-Methyl-5-benzyloxycarbonyl-1,3-dioxan-2-one. <i>Macromolecules</i> , 1999, 32, 6536-6540.	4.8	131
29	Encapsulation Characteristics of Cavitand Type Tetrabromo-Functionalized Resorcin[4]arenes in the Crystal Structure. <i>Journal of Chemical Crystallography</i> , 0, , 1.	1.1	1