

# Talal F Al-Azemi

## List of Publications by Year in descending order

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29  
papers

643  
citations

687363

13  
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580821

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Functional Polycarbonate by Lipase-Catalyzed Ring-Opening Polymerization of 5-Methyl-5-benzoyloxycarbonyl-1,3-dioxan-2-one. <i>Macromolecules</i> , 1999, 32, 6536-6540.	4.8	131
2	Enzyme-Catalyzed Ring-Opening Copolymerization of 5-Methyl-5-benzoyloxycarbonyl-1,3-dioxan-2-one (MBC) with Trimethylene Carbonate (TMC): Synthesis and Characterization. <i>Biomacromolecules</i> , 2000, 1, 493-500.	5.4	94
3	Solventless Enantioselective Ring-Opening Polymerization of Substituted $\epsilon$ -Caprolactones by Enzymatic Catalysis. <i>Macromolecules</i> , 2002, 35, 3380-3386.	4.8	86
4	Molecular Assemblies of Porphyrins and Macrocyclic Receptors: Recent Developments in Their Synthesis and Applications. <i>Molecules</i> , 2012, 17, 11763-11799.	3.8	54
5	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
6	One-Shot Block Copolymerization of a Functional Seven-Membered Cyclic Carbonate Derived from l-Tartaric Acid with $\epsilon$ -Caprolactone. <i>Macromolecules</i> , 2009, 42, 2401-2410.	4.8	27
7	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
8	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
9	Spatially directional multiarm poly( $\epsilon$ -caprolactone) based on resorcin[4]arene cavitand core. <i>Chemical Communications</i> , 2009, , 1822-1824.	4.1	21
10	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
11	Synthesis of porphyrin conjugates based on conformationally rigid and flexible resorcin[4]arene frameworks. <i>Tetrahedron</i> , 2011, 67, 2585-2590.	1.9	18
12	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
13	Influence of a resorcin[4]arene core structure on the spatial directionality of multi-arm poly( $\epsilon$ -caprolactone)s. <i>RSC Advances</i> , 2014, 4, 16864-16870.	3.6	14
14	Sequential Staudinger ketene-imine cycloaddition, RCM approach to polycyclic macrocyclic bisazetidiones. <i>RSC Advances</i> , 2013, 3, 6408.	3.6	13
15	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
16	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
17	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
18	Constitutional isomers of brominated-functionalized copillar[5]arenes: synthesis, characterization, and crystal structures. <i>RSC Advances</i> , 2019, 9, 13814-13819.	3.6	7

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19	Effect of the resorcin[4]arene host on the catalytic epoxidation of a Mn(III)-based resorcin[4]arene-metalloporphyrin conjugate. RSC Advances, 2015, 5, 88154-88159.	3.6	6
20	Cavitand and Flexible Amphiphilic Resorcin[4]arenes: Structural Characterization and Supramolecular Interactions in Crystal Networks. Journal of Chemical Crystallography, 2021, 51, 98-107.	1.1	4
21	Concentration-dependent supramolecular self-assembly of A1/A2-asymmetric-difunctionalized pillar[5]arene. RSC Advances, 2021, 11, 2995-3002.	3.6	4
22	Synthesis of Functional Polycarbonates from Renewable Resources. ACS Symposium Series, 2010, , 175-199.	0.5	3
23	Bis-resorcin[4]arene-bridged porphyrin conjugates: synthesis, fluorescence and binding studies. RSC Advances, 2016, 6, 76482-76489.	3.6	3
24	Single-crystal X-ray diffraction study of a host-guest system comprising monofunctionalized-hydroxy pillar[5]arene and 1-octanamine. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1117-1120.	0.5	2
25	External-stimulus-triggered conformational inversion of mechanically self-locked pseudo[1]catenane and gemini-catenanes based on A1/A2-alkyne-azide-difunctionalized pillar[5]arenes. RSC Advances, 2022, 12, 1797-1806.	3.6	2
26	Linear Supramolecular Polymer Driven by Br...Br and Br...H Non-bonding Interactions Based on Inclusion-Complex of Octabromo-Functionalized Pillar[a]arene. Journal of Chemical Crystallography, 2022, 52, 399-406.	1.1	2
27	Biocatalytic Synthesis of Novel Functional Polycarbonates. ACS Symposium Series, 2002, , 156-171.	0.5	1
28	Encapsulation Characteristics of Cavitand Type Tetrabromo-Functionalized Resorcin[4]arenes in the Crystal Structure. Journal of Chemical Crystallography, 0, , 1.	1.1	1
29	Encapsulated dichloroethane-mediated interlocked supramolecular polymeric assembly of A1/A2-dihydroxy-octyloxy pillar[5]arene 1,2-dichloroethane monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1471-1474.	0.5	0