Dariush Ajami

List of Publications by Year
in descending order

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64	2,666	159525	182361
papers	citations	30 h-index	51 g-index

67	67	67	2647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Small Molecule Mimetics of Î±-Helical Domain of IRAK2 Attenuate the Proinflammatory Effects of IL-33 in Asthma-like Mouse Models. Journal of Immunology, 2018, 200, 4036-4043.	0.4	8
2	Rational design of peptide derivatives for inhibition of MyD88â€mediated tollâ€like receptor signaling in human peripheral blood mononuclear cells and epithelial cells exposed to Francisella tularensis. Chemical Biology and Drug Design, 2017, 90, 1190-1205.	1.5	4
3	Cavitands with inwardly and outwardly directed functional groups. Tetrahedron Letters, 2015, 56, 4824-4828.	0.7	5
4	Robust hydrogenâ€bonded capsules with stability in competitive media. Journal of Physical Organic Chemistry, 2015, 28, 187-190.	0.9	10
5	Synapse-specific IL-1 receptor subunit reconfiguration augments vulnerability to IL-1Î² in the aged hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5078-87.	3.3	95
6	Recognition and sequestration of Ï‰-fatty acids by a cavitand receptor. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11181-11186.	3.3	23
7	Structureâ€Based Design and Synthesis of a Small Molecule that Exhibits Antiâ€inflammatory Activity by Inhibition of MyD88â€mediated Signaling to Bacterial Toxin Exposure. Chemical Biology and Drug Design, 2015, 86, 200-209.	1.5	10
8	Soft templates in encapsulation complexes. Chemical Society Reviews, 2015, 44, 490-499.	18.7	110
9	Folded alkyl chains in water-soluble capsules and cavitands. Organic and Biomolecular Chemistry, 2014, 12, 6561-6563.	1.5	26
10	Unusual orientation and reactivity of alkyl halides in water-soluble cavitands. Chemical Science, 2014, 5, 4382-4387.	3.7	25
11	Alkyl Groups Fold to Fit within a Water-Soluble Cavitand. Journal of the American Chemical Society, 2014, 136, 5264-5266.	6.6	70
12	More Chemistry in Small Spaces. Accounts of Chemical Research, 2013, 46, 990-999.	7.6	195
13	Theoretical study of free and encapsulated carboxylic acid and amide dimers. International Journal of Quantum Chemistry, 2013, 113, 734-739.	1.0	19
14	Amplified Halogen Bonding in a Small Space. Journal of the American Chemical Society, 2013, 135, 13672-13675.	6.6	85
15	Hydrogen-Bonded Capsules in Water. Journal of the American Chemical Society, 2013, 135, 18064-18066.	6.6	87
16	Covalent capsules: reversible binding in a chiral space. Chemical Science, 2013, 4, 1212.	3.7	17
17	Chemical approaches for detection and destruction of nerve agents. Organic and Biomolecular Chemistry, 2013, 11, 3936.	1.5	57
18	Unexpected consequences of methyl substitutions in supramolecular chemistry. Supramolecular Chemistry, 2013, 25, 574-580.	1.5	5

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19	Social Isomers of Picolines in a Small Space. Chemistry - A European Journal, 2013, 19, 17092-17096.	1.7	8
20	Encapsulation of Ion Pairs in Extended, Self-Assembled Structures. Journal of the American Chemical Society, 2012, 134, 11971-11973.	6.6	17
21	Alkane Lengths Determine Encapsulation Rates and Equilibria. Journal of the American Chemical Society, 2012, 134, 8070-8073.	6.6	54
22	Protein Recognition by a Self-Assembled Deep Cavitand Monolayer on a Gold Substrate. Langmuir, 2012, 28, 1391-1398.	1.6	11
23	Encapsulated hydrogen-bonded dimers of amide and carboxylic acid. Chemical Physics Letters, 2012, 548, 55-59.	1.2	10
24	Therapeutic Inhibition of Pro-Inflammatory Signaling and Toxicity to Staphylococcal Enterotoxin B by a Synthetic Dimeric BB-Loop Mimetic of MyD88. PLoS ONE, 2012, 7, e40773.	1.1	19
25	Conformations and Fluorescence of Encapsulated Stilbene. Journal of the American Chemical Society, 2012, 134, 4346-4354.	6.6	40
26	Complexes within complexes: hydrogen bonding in capsules. Chemical Science, 2012, 3, 3022.	3.7	25
27	Bent Alkanes in a New Thiourea-Containing Capsule. Journal of the American Chemical Society, 2011, 133, 10682-10684.	6.6	60
28	Boronic Acid Hydrogen Bonding in Encapsulation Complexes. Journal of the American Chemical Society, 2011, 133, 9689-9691.	6.6	42
29	Theoretical Study of Hydrogen Bonding in Homodimers and Heterodimers of Amide, Boronic Acid, and Carboxylic Acid, Free and in Encapsulation Complexes. Journal of the American Chemical Society, 2011, 133, 16977-16985.	6.6	42
30	Control of nanospaces with molecular devices. Supramolecular Chemistry, 2011, 23, 37-41.	1.5	9
31	Encapsulated Carboxylic Acid Dimers with Compressed Hydrogen Bonds. Angewandte Chemie - International Edition, 2011, 50, 528-531.	7.2	47
32	Cover Picture: Self-Assembled Capsules of Unprecedented Shapes (Angew. Chem. Int. Ed. 50/2011). Angewandte Chemie - International Edition, 2011, 50, 11805-11805.	7.2	2
33	Reactivity of N-nitrosoamides in confined spaces. Tetrahedron Letters, 2011, 52, 2100-2103.	0.7	13
34	Photochemical Control of Reversible Encapsulation. Angewandte Chemie - International Edition, 2010, 49, 3192-3195.	7.2	83
35	Novel loop-like aromatic compounds: a further step on the road to nanobelts and nanotubes. Beilstein Journal of Organic Chemistry, 2010, 6, 30.	1.3	3
36	Autocatalysis and organocatalysis with synthetic structures. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 541-544.	3.3	50

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37	Solid Guests in Reversible Encapsulation Hosts. Heterocycles, 2010, 80, 109.	0.4	3
38	Encapsulation of the uranyl dication. Chemical Science, 2010, 1, 43.	3.7	37
39	Molecular Switching in Nanospaces. Journal of the Chinese Chemical Society, 2010, 57, 595-603.	0.8	6
40	Control of stilbene conformation and fluorescence in self-assembled capsules. Beilstein Journal of Organic Chemistry, 2009, 5, 79.	1.3	23
41	Disproportionation and self-sorting in molecular encapsulation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10430-10434.	3.3	69
42	Compressed alkanes in reversible encapsulation complexes. Nature Chemistry, 2009, 1, 87-90.	6.6	150
43	Translational motion inside self-assembled encapsulation complexes. Tetrahedron, 2009, 65, 7208-7212.	1.0	7
44	Cavitands with Mobile Walls. Organic Letters, 2009, 11, 3163-3165.	2.4	8
45	Multicomponent, Hydrogen-Bonded Cylindrical Capsules. Journal of Organic Chemistry, 2009, 74, 6584-6591.	1.7	49
46	â€œToo Small, Too Big, and Just Rightâ€•â˜ Optical Sensing of Molecular Conformations in Self-Assembled Capsules. Journal of the American Chemical Society, 2009, 131, 13190-13191.	6.6	72
47	Gas Behavior in Selfâ€Assembled Capsules. Angewandte Chemie - International Edition, 2008, 47, 6059-6061.	7.2	64
48	Reversible Encapsulation of Terminal Alkenes and Alkynes. Heterocycles, 2008, 76, 169.	0.4	10
49	Reaction of Carboxylic Acids and Isonitriles in Small Spaces. Journal of the American Chemical Society, 2008, 130, 7810-7811.	6.6	74
50	Adaptations of guest and host in expanded self-assembled capsules. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16000-16003.	3.3	59
51	Longer Guests Drive the Reversible Assembly of Hyperextended Capsules. Angewandte Chemie - International Edition, 2007, 46, 9283-9286.	7.2	65
52	Tertiary Amide Rotation in a Nanoscale Host. European Journal of Organic Chemistry, 2007, 2007, 2722-2728.	1.2	6
53	Coiled Molecules in Spring Loaded Devices. Journal of the American Chemical Society, 2006, 128, 15038-15039.	6.6	77
54	Expanded Capsules with Reversibly Added Spacers. Journal of the American Chemical Society, 2006, 128, 5314-5315.	6.6	102

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55	Experimental and computational probes of the space in a self-assembled capsule. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8934-8936.	3.3	35
56	Experimental and Computational Probes of a Self-Assembled Capsule. Organic Letters, 2006, 8, 2925-2928.	2.4	13
57	Synthesis and Properties of the First MÃ¶bius Annulenes. Chemistry - A European Journal, 2006, 12, 5434-5445.	1.7	120
58	ZEOFEN, AN ECO-FRIENDLY CATALYST FOR DEOXIMATION UNDER MICROWAVE IRRADIATION IN SOLVENTLESS SYSTEM. Synthetic Communications, 2002, 32, 3325-3330.	1.1	18
59	â€œZEOFEN,â€•AN EFFICIENT REAGENT FOR OXIDATIVE DEPROTECTION OF TRIMETHYLSILYL ETHERS UNDER MICROWAVE IRRADIATION IN SOLVENTLESS SYSTEM. Synthetic Communications, 2001, 31, 2097-2100.	1.1	22
60	OXIDATIVE DEPROTECTION OF TRIMETHYLSILYL ETHERS TO CARBONYL COMPOUNDS WITH PdCl₂(PhCN)₂-CrO₃ AND CLAY-BIS(TRIMETHYLSILYL) CHROMATE IN SOLVENTLESS SYSTEM. Phosphorus, Sulfur and Silicon and the Related Elements, 2000, 158, 151-156.	0.8	4
61	Wet Alumina Supported Chromium(VI) Oxide: A Mild, Efficient and Inexpensive Reagent for Oxidative Deprotection of Trimethylsilyl and Tetrahydropyranyl Ethers in a Solventless System. Synthesis, 1999, 1999, 393-394.	1.2	63
62	A convenient oxidative deprotection of tetrahydropyranyl ethers with iron(III) nitrate and clay under microwave irradiation in solvent free conditions. Tetrahedron Letters, 1999, 40, 561-562.	0.7	89
63	An Ton adsorbiertes Bis(trimethylsilyl)chromat: Oxidative EntschÃ¼tzung von Tetrahydropyranylethern unter lÃ¶sungsmittelfreien Bedingungen undBestrahlung mit Mikrowellen. Monatshefte FÃ¼r Chemie, 1999, 130, 709.	0.9	8
64	Chrom(VI)oxid auf feuchtem Aluminiumoxid: Ein mildes, effizientes und billiges Reagenszur oxidativen EntschÃ¼tzung von Trimethylsilyl- und Tetrahydropyranylethern. Monatshefte FÃ¼r Chemie, 1999, 130, 337.	0.9	8