

Stuart J Cantrill

List of Publications by Year in descending order

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58
papers

7,874
citations

81900

39
h-index

118850

62
g-index

91
all docs

91
docs citations

91
times ranked

5745
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Covalent Chemistry. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 898-952.	13.8	2,245
2	Molecular Borromean Rings. <i>Science</i> , 2004, 304, 1308-1312.	12.6	757
3	Multivalency and Cooperativity in Supramolecular Chemistry. <i>Accounts of Chemical Research</i> , 2005, 38, 723-732.	15.6	609
4	A Molecular Solomon Link. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 218-222.	13.8	246
5	Nanoscale Borromean Rings. <i>Accounts of Chemical Research</i> , 2005, 38, 1-9.	15.6	220
6	An Acid-Base-Controllable [c2]Daisy Chain. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7470-7474.	13.8	201
7	Supramolecular Daisy Chains. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1294-1297.	13.8	190
8	Templated Synthesis of Interlocked Molecules. <i>Topics in Current Chemistry</i> , 0, , 203-259.	4.0	176
9	Magic Ring Catenation by Olefin Metathesis. <i>Organic Letters</i> , 2005, 7, 2129-2132.	4.6	148
10	A molecular meccano kit. <i>Dalton Transactions RSC</i> , 2000, , 3715-3734.	2.3	143
11	Supramolecular Daisy Chains. <i>Journal of Organic Chemistry</i> , 2001, 66, 6857-6872.	3.2	143
12	Template-Directed Dynamic Synthesis of Mechanically Interlocked Dendrimers. <i>Journal of the American Chemical Society</i> , 2005, 127, 5808-5810.	13.7	126
13	Magic Ring Rotaxanes by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3281-3285.	13.8	124
14	Rotaxane Formation under Thermodynamic Control. <i>Organic Letters</i> , 1999, 1, 1363-1366.	4.6	119
15	Template-Directed Synthesis of Multiply Mechanically Interlocked Molecules Under Thermodynamic Control. <i>Chemistry - A European Journal</i> , 2005, 11, 4655-4666.	3.3	118
16	Toward Daisy Chain Polymers: Wittig Exchange of Stoppers in [2]Rotaxane Monomers. <i>Organic Letters</i> , 2000, 2, 759-762.	4.6	109
17	The Dynamic Chemistry of Molecular Borromean Rings and Solomon Knots. <i>Chemistry - A European Journal</i> , 2010, 16, 12570-12581.	3.3	91
18	Triphenylphosphonium-Stoppered [2]Rotaxanes. <i>Organic Letters</i> , 1999, 1, 129-132.	4.6	88

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19	The Influence of Macrocyclic Polyether Constitution upon Ammonium Ion/Crown Ether Recognition Processes. <i>Chemistry - A European Journal</i> , 2000, 6, 2274-2287.	3.3	86
20	Can Multivalency Be Expressed Kinetically? The Answer Is Yes. <i>Journal of the American Chemical Society</i> , 2004, 126, 2288-2289.	13.7	80
21	Nanoscale Borromean links for real. <i>Chemical Communications</i> , 2005, , 3394.	4.1	73
22	Dynamic Covalent Chemistry. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1460-1460.	13.8	69
23	The Exclusivity of Multivalency in Dynamic Covalent Processes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3273-3278.	13.8	68
24	Chiral Borromeates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4099-4104.	13.8	68
25	Nanoscale Borromeates. <i>Journal of Organic Chemistry</i> , 2005, 70, 7956-7962.	3.2	64
26	Post-Assembly Processing of [2]Rotaxanes. <i>Chemistry - A European Journal</i> , 2002, 8, 5170-5183.	3.3	60
27	Dynamic Mechanically Interlocked Dendrimers: Amplification in Dendritic Dynamic Combinatorial Libraries. <i>Macromolecules</i> , 2007, 40, 3951-3959.	4.8	57
28	A Rotaxane-Like Complex with Controlled-Release Characteristics. <i>Organic Letters</i> , 2000, 2, 3631-3634.	4.6	56
29	Secondary dibenzylammonium ion binding by [24]crown-8 and [25]crown-8 macrocycles. <i>Tetrahedron Letters</i> , 1999, 40, 3661-3664.	1.4	53
30	A new protocol for rotaxane synthesis. <i>Tetrahedron Letters</i> , 1999, 40, 3669-3672.	1.4	52
31	Pseudorotaxanes and Rotaxanes Formed by Viologen Derivatives. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1857-1866.	2.4	52
32	An hermaphroditic [c2]daisy chain. <i>Chemical Communications</i> , 2002, , 2948-2949.	4.1	48
33	Template-Directed Olefin Cross Metathesis. <i>Organic Letters</i> , 2005, 7, 4213-4216.	4.6	48
34	Magic Ring Rotaxanes by Olefin Metathesis. <i>Angewandte Chemie</i> , 2003, 115, 3403-3407.	2.0	46
35	The Idiosyncrasies of Tetrabenzo[24]crown-8 in the Solid State. <i>Tetrahedron</i> , 2000, 56, 6675-6681.	1.9	45
36	Ammonium Ion Binding with Pyridine-Containing Crown Ethers. <i>Organic Letters</i> , 2000, 2, 2947-2950.	4.6	45

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37	Making molecular-necklaces from rotaxanes. <i>Tetrahedron</i> , 2002, 58, 807-814.	1.9	44
38	Dynamic nanoscale Borromean links. <i>Chemical Communications</i> , 2005, , 3391.	4.1	43
39	Probing Polyvalency in Artificial Systems Exhibiting Molecular Recognition. <i>Journal of Organic Chemistry</i> , 2002, 67, 7968-7981.	3.2	40
40	Achiral Cyclodextrin Analogues. <i>Chemistry - A European Journal</i> , 1997, 3, 1299-1314.	3.3	35
41	Wrong but seminal. <i>Nature Chemistry</i> , 2016, 8, 193-200.	13.6	32
42	Making Molecular Borromean Rings. A Gram-Scale Synthetic Procedure for the Undergraduate Organic Lab. <i>Journal of Chemical Education</i> , 2007, 84, 855.	2.3	30
43	Anion-Orchestrated Formation in the Crystalline State of [2]Pseudorotaxane Arrays. <i>Organic Letters</i> , 1999, 1, 1917-1920.	4.6	29
44	Tribenzo[27]crown-9: A New Ring for Dibenzylammonium Rods. <i>Organic Letters</i> , 2000, 2, 61-64.	4.6	28
45	Toward Interlocked Molecules beyond Catenanes and Rotaxanes. <i>Organic Letters</i> , 2000, 2, 2943-2946.	4.6	27
46	Polyvalent Interactions in Unnatural Recognition Processes. <i>Journal of Organic Chemistry</i> , 2004, 69, 4390-4402.	3.2	26
47	Mechanism of enhanced rectification in unimolecular Borromean ring devices. <i>Physical Review B</i> , 2006, 74, .	3.2	17
48	Promethium puzzles. <i>Nature Chemistry</i> , 2018, 10, 1270-1270.	13.6	3
49	Carbon-based curiosities. <i>Nature Chemistry</i> , 2009, 1, 170-171.	13.6	2
50	Cover Picture: Chiral Borromeates (<i>Angew. Chem. Int. Ed.</i> 25/2006). <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4037-4037.	13.8	1
51	Post-Assembly Processing of [2]Rotaxanes.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
52	Nanoscale Borromean Rings. <i>ChemInform</i> , 2005, 36, no.	0.0	0
53	Multivalency and Cooperativity in Supramolecular Chemistry. <i>ChemInform</i> , 2005, 36, no.	0.0	0
54	Nanoscale Borromeates.. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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55	A chronicler of chemistry. Nature Chemistry, 2012, 4, 240-241.	13.6	0
56	Running rings around rings. Nature Chemistry, 2021, 13, 520-520.	13.6	0
57	Bite-size science. Nature Chemistry, 2021, 13, 625-625.	13.6	0
58	Breaking down barriers. Nature Nanotechnology, 0, , .	31.5	0