

Craig S Wilcox

List of Publications by Year in descending order

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78
papers

4,853
citations

109321

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91884

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83
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docs citations

83
times ranked

3301
citing authors

#	ARTICLE	IF	CITATIONS
1	A Molecular Torsion Balance Study: A Nearby Anionic Group Exerts Little Influence on Hydrophobic Interactions between Nonpolar Surfaces. <i>Chemistry - A European Journal</i> , 2019, 25, 14010-14014.	3.3	3
2	Synthesis and NMR Analysis of a Conformationally Controlled Î²-Turn Mimetic Torsion Balance. <i>Journal of Organic Chemistry</i> , 2017, 82, 898-909.	3.2	10
3	Asymmetric solution-phase mixture aldol reaction using oligomeric ethylene glycol tagged chiral oxazolidinones. <i>Tetrahedron Letters</i> , 2017, 58, 2031-2033.	1.4	2
4	Rotational Isomers of <i>N</i> -Methyl- <i>N</i> -arylacetamides and Their Derived Enolates: Implications for Asymmetric Hartwig Oxindole Cyclizations. <i>Journal of Organic Chemistry</i> , 2013, 78, 4083-4089.	3.2	12
5	A Mild Synthesis of Unsymmetrical Bisalkoxysilanes through Catalyzed Alcoholysis of Hydridosilanes Containing C=C Multiple Bonds and Aryl Halides. <i>Journal of Organic Chemistry</i> , 2010, 75, 253-256.	3.2	14
6	Synthesis of Dibenzazepinones by Palladium-Catalyzed Intramolecular Arylation of <i>o</i> -(2-Bromophenyl)anilide Enolates. <i>Journal of Organic Chemistry</i> , 2010, 75, 6445-6451.	3.2	33
7	Benzil-Tethered Precipitons for Controlling Solubility: A Round-Trip Energy-Transfer Mechanism in the Isomerization of Extended Stilbene Analogues. <i>Journal of the American Chemical Society</i> , 2007, 129, 3966-3972.	13.7	19
8	A Minimal Protein Folding Model To Measure Hydrophobic and CH ₂ Effects on Interactions between Nonpolar Surfaces in Water. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6833-6836.	13.8	83
9	Total Synthesis of a 28-Member Stereoisomer Library of Murisolins. <i>Journal of the American Chemical Society</i> , 2006, 128, 9561-9573.	13.7	79
10	Solution-Phase Parallel Synthesis with Oligoethylene Glycol Sorting Tags. Preparation of All Four Stereoisomers of the Hydroxybutenolide Fragment of Murisolin and Related Acetogenins. <i>Journal of Organic Chemistry</i> , 2006, 71, 3599-3607.	3.2	37
11	Intramolecularly Sensitized Precipitons: A Model System for Application to Metal Sequestration. <i>Journal of the American Chemical Society</i> , 2006, 128, 250-256.	13.7	5
12	Oligomeric ethylene glycols as sorting tags for parallel and combinatorial mixture synthesis. <i>Tetrahedron Letters</i> , 2005, 46, 1827-1829.	1.4	18
13	Solution-Phase Mixture Synthesis with Double-Separation Tagging: Double Demixing of a Single Mixture Provides a Stereoisomer Library of 16 Individual Murisolins. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6938-6940.	13.8	25
14	Inhibition of rat liver regeneration after partial hepatectomy and induction of ERK phosphorylation by Cpd 5, a K vitamin-based anticancer compound. <i>Carcinogenesis</i> , 2004, 25, 2345-2351.	2.8	2
15	Precipiton Reagents: Precipiton Phosphines for Solution-Phase Reductions. <i>Organic Letters</i> , 2004, 6, 2321-2324.	4.6	29
16	Copper Removal in Atom Transfer Radical Polymerization. <i>ACS Symposium Series</i> , 2003, , 250-266.	0.5	10
17	A Cdc25A Antagonizing K Vitamin Inhibits Hepatocyte DNA Synthesis in Vitro and in Vivo. <i>Journal of Molecular Biology</i> , 2003, 326, 721-735.	4.2	16
18	Photonic Crystal Carbohydrate Sensors: Low Ionic Strength Sugar Sensing. <i>Journal of the American Chemical Society</i> , 2003, 125, 3322-3329.	13.7	473

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19	High Ionic Strength Glucose-Sensing Photonic Crystal. <i>Analytical Chemistry</i> , 2003, 75, 2316-2323.	6.5	386
20	Antitumor and anticarcinogenic actions of Cpd 5: a new class of protein phosphatase inhibitor. <i>Carcinogenesis</i> , 2003, 24, 411-416.	2.8	18
21	Theoretical and Experimental Studies of Biotin Analogues That Bind Almost as Tightly to Streptavidin as Biotin. <i>Journal of Organic Chemistry</i> , 2002, 67, 1827-1837.	3.2	25
22	Design and Synthesis of a Novel Cyclophane as Host for Aryl Phosphate. <i>Heterocycles</i> , 2002, 57, 515.	0.7	23
23	Use of Precipitons for Copper Removal in Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2002, 35, 4849-4851.	4.8	57
24	A Photoactivated Precipiton for Reagent Sequestration in Solution-Phase Synthesis. <i>Journal of the American Chemical Society</i> , 2002, 124, 4194-4195.	13.7	33
25	çŸžçµŒèŠ½è...«ã«ã³/4ã™ã,ç°èfžã†...ã,ã°ãfŠãf«ã¼é”æ©Ÿæš«ã«é—çãžã™ã,«è—ã%ã®é—ç™º (ç¬Ÿ2ã±). <i>Japanese Journal of Clinical</i>		
26	A novel precipitating auxiliary approach to the purification of Baylisâ€“Hillman adducts. <i>Chemical Communications</i> , 2001, , 1618-1619.	4.1	13
27	Precipiton strategies applied to the isolation of Î±-substituted Î²-ketoesters. <i>Tetrahedron Letters</i> , 2001, 42, 4309-4312.	1.4	23
28	Precipitonsâ€“Functional Protecting Groups to Facilitate Product Separation: Applications in Isoxazoline Synthesis. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1875-1879.	13.8	63
29	Molecular Recognition of Acetylaminofluorene-and Aminofluorene-modified Guanosine. <i>Supramolecular Chemistry</i> , 2000, 11, 201-215.	1.2	1
30	Inhibition of Hepatoma Cell Growth in Vitro by Arylating and Non-arylating K Vitamin Analogs. <i>Journal of Biological Chemistry</i> , 1999, 274, 34803-34810.	3.4	43
31	The intramolecular salt effect in chiral auxiliaries. Enhanced diastereoselectivity in a nitrile oxide cycloaddition via rational transition state stabilization. <i>Tetrahedron Letters</i> , 1999, 40, 1285-1288.	1.4	16
32	Model systems. <i>Current Opinion in Chemical Biology</i> , 1998, 2, 709-710.	6.1	0
33	Measurements of Molecular Electrostatic Field Effects in Edge-to-Face Aromatic Interactions and CH-Ï€ Interactions with Implications for Protein Folding and Molecular Recognition. <i>Journal of the American Chemical Society</i> , 1998, 120, 11192-11193.	13.7	347
34	Experimental and theoretical studies of substituent effects in hydrogen bond based molecular recognition of a zwitterion by substituted arylureas. <i>Tetrahedron</i> , 1995, 51, 621-634.	1.9	116
35	Designing Synthetic Receptors for Shape-Selective Hydrophobic Binding. <i>ACS Symposium Series</i> , 1994, , 282-290.	0.5	3
36	Progress in the optimization of chiral cyclophane synthetic receptors for shape selective molecular recognition in aqueous media through hydrophobic association. <i>Journal of Chemical Sciences</i> , 1994, 106, 955-970.	1.5	1

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37	Substrate-Specific Catalysis by Ion Pairs. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1648-1650.	4.4	26
38	Enantioselective and diastereoselective molecular recognition of neutral molecules. <i>Chemical Society Reviews</i> , 1993, 22, 383.	38.1	261
39	Selectivity in molecular recognition of steroids, alkanes and alicyclic substrates in aqueous media. <i>Supramolecular Chemistry</i> , 1993, 1, 129-137.	1.2	20
40	Chemistry of synthetic receptors and functional group arrays. 19. General effects of binding site water exclusion on hydrogen bond based molecular recognition systems: a closed binding site is less affected by environmental changes than an open site. <i>Journal of the American Chemical Society</i> , 1992, 114, 1398-1403.	13.7	99
41	Chemistry of synthetic receptors and functional group arrays. 18. Approaches to quantitative supramolecular chemistry. Hydrogen-bond-based molecular recognition phenomena and sigmoidal behavior in multicomponent mixtures. <i>Journal of the American Chemical Society</i> , 1992, 114, 10189-10197.	13.7	108
42	Ion pair binding by a urea in chloroform solution.. <i>Tetrahedron Letters</i> , 1992, 33, 6085-6088.	1.4	155
43	Chemistry of synthetic receptors and functional group arrays. 16. Enantioselective and diastereoselective molecular recognition of alicyclic substrates in aqueous media by a chiral, resolved synthetic receptor. <i>Journal of the American Chemical Society</i> , 1991, 113, 8554-8555.	13.7	97
44	Chemistry of synthetic receptors and functional group arrays. 17. The intramolecular salt effect. An acrylate ester bearing an ion pair shows enhanced rates and stereoselectivity in a nitrone cycloaddition. <i>Journal of the American Chemical Society</i> , 1991, 113, 7412-7414.	13.7	13
45	Chemistry of synthetic receptors and functional group arrays. 15. The effects of added water on thermodynamic aspects of hydrogen bond based molecular recognition in chloroform. <i>Journal of the American Chemical Society</i> , 1991, 113, 678-680.	13.7	131
46	The chemistry of functional group arrays. Electrostatic catalysis and the intramolecular salt effect. <i>Tetrahedron</i> , 1991, 47, 2617-2628.	1.9	19
47	A general approach to carbocyclic sugar analogs: preparation of a carbocyclic analog of β -D-fructofuranose. <i>Carbohydrate Research</i> , 1990, 206, 233-250.	2.3	22
48	A concise approach to enantiomerically pure carbocyclic ribose analogs. Synthesis of (4S,5R,6R,7R)-7-(hydroxymethyl)spiro[2.4]heptane-4,5,6-triol 7-O-(dihydrogen phosphate). <i>Journal of the American Chemical Society</i> , 1990, 112, 4374-4380.	13.7	39
49	Syntheses of bicyclo[3.3.0]octanes via bifurcating radical cyclization pathways. <i>Journal of Organic Chemistry</i> , 1990, 55, 3440-3442.	3.2	24
50	The chemistry of synthetic receptors and functional group arrays. 13. The intramolecular salt effect. <i>Journal of Organic Chemistry</i> , 1990, 55, 5675-5678.	3.2	14
51	Improved synthesis of symmetrical and unsymmetrical 5,11-methanodibenzo[b,f][1,5]diazocines. Readily available nanoscale structural units. <i>Journal of Organic Chemistry</i> , 1990, 55, 363-365.	3.2	71
52	The molecular structure of an O-silyl ketene acetal. <i>Tetrahedron Letters</i> , 1989, 30, 447-450.	1.4	21
53	Chemistry of synthetic receptors and functional group arrays. 10. Orderly functional group dyads. Recognition of biotin and adenine derivatives by a new synthetic host. <i>Journal of the American Chemical Society</i> , 1989, 111, 8055-8057.	13.7	188
54	Effect of citreoviridin and isocitreoviridin on beef heart mitochondrial ATPase. <i>Archives of Biochemistry and Biophysics</i> , 1989, 270, 714-721.	3.0	24

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55	Insight into the unusual reactions of stabilized phosphorus ylides with lactols. A specific intramolecular hydroxyl group effect leads to high z-selectivity.. Tetrahedron Letters, 1988, 29, 6823-6826.	1.4	33
56	An approach to lipophilic nucleotide phosphate analogs. Tetrahedron Letters, 1988, 29, 2615-2618.	1.4	10
57	Chemistry of synthetic receptors and functional group arrays. 7. Molecular armatures. Synthesis and structure of Troeger's base analogs derived from 4-, 2,4-, 3,4-, and 2,4,5-substituted aniline derivatives. Journal of Organic Chemistry, 1988, 53, 98-104.	3.2	75
58	Chemistry of F1,F0-ATPase inhibitors. Stereoselective total syntheses of (+)-citroviral and (-)-citroviridin. Journal of the American Chemical Society, 1988, 110, 470-481.	13.7	59
59	Synthetic receptors. 3,6-anhydro-7-benzenesulfonamido-1,7-dideoxy-4,5-O-isopropylidene-D-altro-hept-1-ynitol: a useful component for the preparation of chiral water-soluble cyclophanes based on carbohydrate precursors. Journal of Organic Chemistry, 1988, 53, 463-471.	3.2	36
60	Molecular recognition in aqueous media. Conformationally restricted water-soluble cyclophanes derived from 6H,12H-5,11-methanodibenzo[b,f][1,5]diazocine. Journal of the American Chemical Society, 1988, 110, 6204-6210.	13.7	99
61	Synthesis of chiral molecular clefts. New armatures for biomimetic systems. Journal of the American Chemical Society, 1987, 109, 1865-1867.	13.7	74
62	New approaches to synthetic receptors. Studies on the synthesis and properties of macrocyclic C-glycosyl compounds as chiral, water-soluble cyclophanes. Carbohydrate Research, 1987, 171, 141-160.	2.3	29
63	Substituent effects in [3,3]-sigmatropic rearrangements. Alkyl group effects and transition-state syn-diaxial interactions. Journal of the American Chemical Society, 1986, 108, 6636-6642.	13.7	28
64	New approaches to enzyme regulators. Synthesis and enzymological activity of carbocyclic analogs of D-fructofuranose and D-fructofuranose-6-phosphate. Journal of the American Chemical Society, 1986, 108, 3102-3104.	13.7	92
65	New approaches to synthetic receptors. Synthesis and host properties of a water soluble macrocyclic analog of TrÄger's base. Tetrahedron Letters, 1986, 27, 5563-5566.	1.4	118
66	Stereoselective preparations of ribofuranosyl chlorides and ribofuranosyl acetates. Solvent effects and stereoselectivity in the reaction of ribofuranosyl acetates with trimethylallylsilane. Tetrahedron Letters, 1986, 27, 1011-1014.	1.4	58
67	TrÄger's base analogs. New structural units for the preparation of chiral hosts and metal ligands.. Tetrahedron Letters, 1985, 26, 5749-5752.	1.4	73
68	New syntheses of carbocycles from carbohydrates. Cyclization of radicals derived from unsaturated halo sugars. Journal of Organic Chemistry, 1985, 50, 546-547.	3.2	92
69	A new approach to c-glycoside congeners: Metal carbene mediated methylenation of aldolactones.. Tetrahedron Letters, 1984, 25, 395-398.	1.4	96
70	Stereoselective formation of silylketene acetals from esters and trialkylsilyl perchlorates.. Tetrahedron Letters, 1984, 25, 699-702.	1.4	28
71	Thermodynamic results for geometrical isomerism in silyl ketene acetals. Journal of Organic Chemistry, 1984, 49, 1451-1453.	3.2	51
72	The total synthesis of ionophore antibiotics. A convergent synthesis of lasalocid A (X537A). Journal of the American Chemical Society, 1983, 105, 1988-2006.	13.7	163

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73	A convenient synthesis of bis-dialkylaminoacetylenes. Tetrahedron Letters, 1980, 21, 3241-3242.	1.4	36
74	New and efficient synthesis of 6-deoxy-L-gulose. Journal of Organic Chemistry, 1980, 45, 197-202.	3.2	20
75	Total synthesis of lasalocid A (X537A). Journal of the American Chemical Society, 1980, 102, 1155-1157.	13.7	70
76	The generation of C-glycosides through the enolate Claisen rearrangement. Canadian Journal of Chemistry, 1979, 57, 1743-1745.	1.1	38
77	An efficient method for the preparation of furanoid and pyranoid glycals. Journal of Organic Chemistry, 1978, 43, 786-787.	3.2	63
78	Conformation of cyclic peptides. VII. Cyclic hexapeptides containing the D-Phe-L-Pro sequence. Journal of the American Chemical Society, 1973, 95, 6090-6096.	13.7	35