

# Richard David Gandour

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149  
papers

2,251  
citations

25  
h-index

40  
g-index

161  
ext. papers

2,387  
ext. citations

5.4  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
149	Homogeneous nanodiscs of native membranes formed by stilbene-maleic-acid copolymers. <i>Nanoscale</i> , <b>2020</b> , 12, 16705-16709	7.7	12
148	Computational study of HIV gp120 as a target for polyanionic entry inhibitors: Exploiting the V3 loop region. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190658	3.7	6
147	Crystallography of Cation Complexes of Lariat Ethers <b>2018</b> , 311-361		
146	Hydrolytic Decomposition of S-Aroylthiooximes: Effect of pH and N-Arylidene Substitution on Reaction Rate. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 13363-13369	4.2	9
145	An N,N-Bis(benzimidazolylpicolinoyl)piperazine (BT-11): A Novel Lanthionine Synthetase C-Like 2-Based Therapeutic for Inflammatory Bowel Disease. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 10113-10126	8.3	19
144	Exploratory Studies With BT-11: A Proposed Orally Active Therapeutic for Crohn's Disease. <i>International Journal of Toxicology</i> , <b>2016</b> , 35, 521-9	2.4	15
143	Mo1691 Lanthionine Synthetase C-Like Receptor 2 (LANCL2): A Novel Therapeutic Target for Inflammatory Bowel Disease. <i>Gastroenterology</i> , <b>2015</b> , 148, S-686-S-687	13.3	6
142	Anti-HIV activities of precisely defined, semirigid, carboxylated alternating copolymers. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 6354-63	8.3	10
141	Remarkably regioselective deacylation of cellulose esters using tetraalkylammonium salts of the strongly basic hydroxide ion. <i>Carbohydrate Polymers</i> , <b>2014</b> , 111, 25-32	10.3	10
140	TBAF-catalyzed deacylation of cellulose esters: reaction scope and influence of reaction parameters. <i>Carbohydrate Polymers</i> , <b>2013</b> , 98, 692-8	10.3	14
139	Dendritic amphiphiles strongly affect the biophysical properties of DPPC bilayer membranes. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 1810-8	3.4	4
138	Probing the mechanism of TBAF-catalyzed deacylation of cellulose esters. <i>Biomacromolecules</i> , <b>2013</b> , 14, 1388-94	6.9	28
137	Antibacterial activities of dendritic amphiphiles against nontuberculous mycobacteria. <i>Tuberculosis</i> , <b>2012</b> , 92, 173-81	2.6	25
136	Initial Reaction Probability and Dynamics of Ozone Collisions with a Vinyl-Terminated Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 25343-25350	3.8	18
135	Comparing micellar, hemolytic, and antibacterial properties of di- and tricarboxyl dendritic amphiphiles. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 2918-26	3.4	27
134	Comparing anti-HIV, antibacterial, antifungal, micellar, and cytotoxic properties of tricarboxylato dendritic amphiphiles. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 3162-8	3.4	20
133	Alterations in CPT-1 mRNA and fatty acid profile in hepatic cell lines in response to treatment with t10,c12- or c9,t11-conjugated linoleic acid. <i>European Journal of Lipid Science and Technology</i> , <b>2008</b> , 110, 16-22	3	1

132	The role of 4,4'-trimethylene-dipyridine flexibility in the construction of hybrid networks templated on aromatic alcohols. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 2439-2446	2.7	5
131	Synchrotron SAX and WAX diffraction study of a hydrated very long-chain, dendritic amphiphile + DPPC mixture. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2007</b> , 54, 160-4	6	10
130	Synthesis and antimicrobial activity of symmetrical two-tailed dendritic tricarboxylato amphiphiles. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 3842-53	3.4	13
129	Antimicrobial activity of long-chain, water-soluble, dendritic tricarboxylato amphiphiles. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2007</b> , 59, 451-8	5.1	29
128	Synthesis and antimicrobial evaluation of water-soluble, dendritic derivatives of epimeric 5 $\alpha$ -cholestan-3-amines and 5 $\alpha$ -cholestan-3-yl aminoethanoates. <i>Steroids</i> , <b>2007</b> , 72, 615-26	2.8	20
127	Synthesis, critical micelle concentrations, and antimycobacterial properties of homologous, dendritic amphiphiles. Probing intrinsic activity and the "cutoff" effect. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 1645-50	8.3	23
126	Mass spectrometric studies on 4-aryl-1-cyclopropyl-1,2-dihydropyridinyl derivatives: an examination of a novel fragmentation pathway. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 1643-53	2.2	3
125	Homologous, long-chain alkyl dendrons form homologous thin films on silver oxide surfaces. <i>Chemical Communications</i> , <b>2005</b> , 5053-5	5.8	10
124	Rationalizing the solution properties of zwitterions by means of computational chemistry. <i>Chemistry and Biodiversity</i> , <b>2005</b> , 2, 1580-94	2.5	
123	Toward a design of affordable, topical microbicides: acylcarnitine analogues. <i>Current Pharmaceutical Design</i> , <b>2005</b> , 11, 3757-67	3.3	4
122	Comparison of (+)- and (-)-hemipalmitoylcarnitinium as inhibitors of hepatic mitochondrial carnitine palmitoyltransferases in diabetic rats. <i>Medicinal Chemistry</i> , <b>2005</b> , 1, 445-53	1.8	4
121	Development of environmentally friendly nonchrome conversion coating for electrogalvanized steel. <i>Surface and Coatings Technology</i> , <b>2004</b> , 188-189, 762-767	4.4	29
120	A structure-activity study of spermicidal and anti-HIV properties of hydroxylated cationic surfactants. <i>Bioorganic and Medicinal Chemistry</i> , <b>2002</b> , 10, 3599-608	3.4	27
119	Spermicidal, anti-HIV, and micellar properties of di- and trihydroxylated cationic surfactants. <i>Tetrahedron</i> , <b>2002</b> , 58, 45-54	2.4	10
118	Selective Modulation of Carnitine Long-chain Acyltransferase Activities. <i>Advances in Experimental Medicine and Biology</i> , <b>2002</b> , 103-109	3.6	7
117	Molecular enzymology of carnitine transfer and transport. <i>BBA - Proteins and Proteomics</i> , <b>2001</b> , 1546, 21-43		251
116	N-(cyclohexanecarboxyl)-O-phospho-L-serine, a minimal substrate for the dual-specificity protein phosphatase I $\phi$ P. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 376, 439-48	4.1	8
115	Acylcarnitine analogues as topical, microbicidal spermicides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1999</b> , 9, 2545-8	2.9	16

114	Stereoisomeric acylamidomorpholinium carnitine analogues: selective inhibitors of carnitine palmitoyltransferase I and II. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1999</b> , 9, 3099-102	2.9	5
113	A convenient resolution of long-chain alkyl epoxides with Jacobsen's salen(Co)III(OAc) catalysts. <i>Tetrahedron: Asymmetry</i> , <b>1998</b> , 9, 1843-1846		44
112	Change in the mode of inhibition of acetylcholinesterase by (4-nitrophenyl)sulfonyl derivatives of conformationally constrained choline analogues. <i>Chemical Research in Toxicology</i> , <b>1998</b> , 11, 19-25	4	6
111	Conformationally-Dependent Free Energies of Solvation. An Explanation for the Large Group-Transfer Potential of Acetylcarnitine. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 7587-7588	16.4	5
110	Synthesis of Optically Pure Cyclic Lipoidal Ammonium Salts and Evaluation of Inhibition of Protein Kinase C. <i>Journal of Organic Chemistry</i> , <b>1996</b> , 61, 9379-9384	4.2	9
109	1-Iodo-2-methoxy-7-naphthyl Acetate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1996</b> , 52, 944-947		
108	Syntheses, Structures, and Enzymic Evaluations of Conformationally Constrained, Analog Inhibitors of Carnitine Acetyltransferase: (2R,6R)-, (2S,6S)-, (2R,6S)-, and (2S,6R)-6-(Carboxylatomethyl)-2-(hydroxymethyl)-2,4,4-trimethylmorpholinium. <i>Journal of Organic Chemistry</i> , <b>1995</b> , 60, 6693-6695	4.2	19
107	Evaluation of (2S,4S)/(2R,4R) and (2S,4R)/(2R,4S) 6,6-N,N-dimethyl-2-methyl-2-oxo-1,3-dioxo-4-hexadecyl-6,aza-2-phosphacyclooctane bromide as inhibitors for protein kinase C, carnitine octanoyltransferase, and carnitine palmitoyltransferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1994</b> , 4, 883-886	2.9	4
106	Solid-state chemistry of polycarboxylate crown ether cation complexes: cooperative binding of water and metal ions by flexible chorands. <i>Canadian Journal of Chemistry</i> , <b>1993</b> , 71, 239-253	0.9	7
105	A flash photolytic investigation of the photosolvolysis of $\alpha$ -(2,6-dimethoxyphenyl)vinyl chloride. Characterization of the 2,6-dimethoxyacetophenone keto-enol system. <i>Canadian Journal of Chemistry</i> , <b>1993</b> , 71, 1964-1969	0.9	2
104	Hemicholinium and related lipids: inhibitors of protein kinase C. <i>Journal of Medicinal Chemistry</i> , <b>1993</b> , 36, 177-8	8.3	8
103	(R)-2-hydroxy-3-iodo-2-methylpropyl 4-nitrobenzenesulfonate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1993</b> , 49 ( Pt 8), 1507-9		1
102	Ethynylenebis(2-methoxybenzene). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1993</b> , 49, 1833-1834		0
101	(Benzoylmethyl)(3-hydroxypropyl)dimethylammonium bromide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1993</b> , 49, 1867-1868		
100	N,N'-(1,2-Ethynylene-di-2,2'-phenylene)bis(4-methylbenzenesulfonamide). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1993</b> , 49, 2148-2149		
99	(+)-Hemipalmitoylcarnitinium strongly inhibits carnitine palmitoyltransferase-I in intact mitochondria. <i>Journal of Medicinal Chemistry</i> , <b>1993</b> , 36, 237-42	8.3	17
98	Fingerprinting a transition-structure guest by a building-block approach with an incremental series of catalytic hosts. Structural requirements for glyme and $\alpha,\omega$ -dimethoxyalkane catalyses in N-methylbutylaminolysis and butylaminolysis of 4-nitrophenyl acetate in chlorobenzene. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 55-61	4.2	23
97	Syntheses, structures, and enzymatic evaluations of hemiacylcarnitiniums, a new class of carnitine acyltransferase inhibitors. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 3426-3431	4.2	12

- 96 Inhibition of acetylcholinesterase by hemicholiniums, conformationally constrained choline analogues. Evaluation of aryl and alkyl substituents. Comparisons with choline and (3-hydroxyphenyl)trimethylammonium. *Chemical Research in Toxicology*, **1992**, 5, 411-8 4 13
- 95 Molecules for intramolecular recognition. 2. Synthesis and structures of dinaphthyl- and aryl-naphthylethyne.. *Tetrahedron Letters*, **1992**, 33, 6431-6434 2 8
- 94 On the solid-state conformations of 18-crown-6 complexes. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **1992**, 12, 313-332 29
- 93 The structure of the products when  $\beta$ -bromoacetoarenes react with 3-(N,N-dimethylamino)propan-1-ol.. *Bioorganic and Medicinal Chemistry Letters*, **1992**, 2, 157-160 2.9 4
- 92 3-(2,6-Dihydroxyphenyl)-1H-2-benzopyran-1-one. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48, 765-767
- 91 (R)-(1-Methyloxiranyl)methyl 4-nitrobenzenesulfonate. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48, 758-760
- 90 Methyl 8-[(2,6-dimethoxyphenyl)ethynyl]-7-methoxy-2-naphthoate. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48, 936-938 1
- 89 Methyl 8-[(2,7-dimethoxynaphthyl)ethynyl]-7-methoxy-2-naphthoate. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48, 1538-1540 1
- 88 2-Chloro-2'-methoxyacetophenone and 2-chloro-4'-methoxyacetophenone. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48, 1701-1703
- 87 1-Acetyl-7-methoxy-2-naphthol. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48, 2225-2227
- 86 2-hydroxy-4,4-dimethyl-2-(4-tolyl)-morpholinium bromide. *Acta Crystallographica Section C: Crystal Structure Communications*, **1992**, 48 ( Pt 12), 2231-3
- 85 On the Solid-State Conformations of 18-crown-6 Complexes **1992**, 313-332
- 84 [2-(1-Aza-4,7,10-trioxacyclododecyl)ethyl]dimethylammonium iodide. An intramolecular trifurcated hydrogen bond. *Acta Crystallographica Section C: Crystal Structure Communications*, **1991**, 47, 893-895 1
- 83 Two polymorphs of 3,5-dinitrobenzoic acid. *Acta Crystallographica Section C: Crystal Structure Communications*, **1991**, 47, 895-898 11
- 82 Hydrogen bonding and conformational analysis of (R)-norcarnitine monohydrate. *Acta Crystallographica Section C: Crystal Structure Communications*, **1991**, 47 ( Pt 6), 1248-50
- 81 Methyl 7-methoxy-2-naphthoate. *Acta Crystallographica Section C: Crystal Structure Communications*, **1991**, 47, 2226-2227 0
- 80 7-Methoxy-2-naphthol. *Acta Crystallographica Section C: Crystal Structure Communications*, **1991**, 47, 2218-2220
- 79 Methyl 2-[(2,6-dimethoxyphenyl)ethynyl]benzoate. *Acta Crystallographica Section C: Crystal Structure Communications*, **1991**, 47, 2727-2729 1

78	1,3-Bis(2,6-dimethoxyphenyl)butenyne. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1991</b> , 47, 2729-2731		2
77	Methyl 2-(2,6-dimethoxyphenyl)benzofuran-4-carboxylate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1991</b> , 47, 2731-2733		
76	Facile Synthesis of Methyl 7-Methoxy-2-naphthoate. An Improved Procedure for Monomethylation of 2,7-Naphthalenediol. <i>Synlett</i> , <b>1991</b> , 1991, 405-406	2.2	10
75	Polycarboxylate crown ethers from meso-tartaric acid. <i>Canadian Journal of Chemistry</i> , <b>1991</b> , 69, 12-19	0.9	6
74	Structural requirements for glyme catalysis in butylaminolysis of aryl acetates in chlorobenzene. Identification of -OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> O- as the optimal subunit for catalysis. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 2821-2826	4.2	21
73	Effect of carnitine acetyltransferase inhibition on rat hepatocyte metabolism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1991</b> , 1095, 17-22	4.9	7
72	Optimizations in the preparation of the first benzimidazolyl salicylic acid derivative. An efficient one-pot synthesis of 2-[(2'-carbomethoxyphenoxy)methyl]benzimidazole. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 2260-2262	4.2	5
71	Intramolecular hemiacetals. The acid-base-catalyzed ring-chain interconversion of 2-substituted 2-hydroxy-4,4-dimethylmorpholinium cations in aqueous solution. <i>Acta Chemica Scandinavica</i> , <b>1991</b> , 45, 558-66		5
70	Mechanism of Second-Order Buffer Catalysis in the Hydrolysis of Methoxymethyl Benzenesulfenate. <i>Chemistry Letters</i> , <b>1990</b> , 19, 273-276	1.7	1
69	2-Ethynyl-1,3-dimethoxybenzene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46, 331-332		2
68	Diisopropylammonium chloride. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46 ( Pt 2), 336-8		8
67	Methyl 2-[(2,6-dimethoxyphenyl)ethynyl]-3-methoxybenzoate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46, 502-504		
66	1-Ethynyl-2,7-dimethoxynaphthalene: an example of hydrogen bonding between an ethynylic hydrogen and a methoxyl oxygen. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46 ( Pt 9), 1720-3		4
65	1-(1-chlorovinyl)-2,7-dimethoxynaphthalene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46 ( Pt 6), 1150-2		
64	(2S,6R)-6-Carboxymethyl-2-hydroxy-4,4-dimethyl-2-phenylmorpholinium chloride hemihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46, 1164-1166		
63	Captands: Macropolycyclic hosts via crown ether capping reactions. <i>Tetrahedron Letters</i> , <b>1990</b> , 31, 1101-1104		5
62	Molecules for intramolecular recognition. Synthesis and structures of diaryl- and arynaphthylethyne. <i>Tetrahedron Letters</i> , <b>1990</b> , 31, 6753-6756	2	18
61	A host for the water dimer. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 8984-8985	16.4	16

60	A structural model of a short carboxyl-imidazole hydrogen bond with a nearly centrally located proton: implications for the Asp-His dyad in serine proteases. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 7816-7817	16.4	18
59	Peptide side-arm derivatives of lariat ethers and bibracchial lariat ethers: syntheses, cation binding properties, and solid state structural data. <i>Journal of Organic Chemistry</i> , <b>1989</b> , 54, 937-947	4.2	39
58	Methyl 3,4-dihydro-1-oxo-2(1H)-naphthylidenehydroxyacetate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45 ( Pt 4), 689-90		
57	(2S,6R)-6-Carboxymethyl-2-ethyl-2-hydroxy-4,4-dimethylmorpholinium bromide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45, 1089-1091		
56	3-(2-Methoxyphenyl)-1H-2-benzopyran-1-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45 ( Pt 7), 1086-7		
55	2,7-Dimethoxynaphthalene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45 ( Pt 8), 1255-6		0
54	1-Acetyl-2,7-dimethoxynaphthalene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45 ( Pt 8), 1256-8		0
53	1-Chloro-3-ethynyl-2,4-dimethoxybenzene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45 ( Pt 11), 1831-2		
52	Molecular recognition in carnitine acyltransferases. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>1989</b> , 7, 39-51		1
51	Tribacchial lariat ethers, TRIBLES, based on 4,10,16-triaza-18-crown-6: an apparent limit to sidearm contributions in lariat ether molecules. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1989</b> , 608-610		7
50	Molecular Recognition in Carnitine Acyltransferases <b>1989</b> , 39-51		
49	Methyl 2-[2-(2-hydroxyphenyl)ethyl]benzoate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1988</b> , 44, 1141-1143		
48	Two polymorphs of 2-bis[(2-hydroxyphenylmethylene)amino]methylphenol. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1988</b> , 44 ( Pt 6), 1086-9		3
47	2-(4-Cyanophenyl)-2-hydroxy-4,4-dimethylmorpholinium bromide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1988</b> , 44, 1689-1690		
46	1-Ethynyl-4-hydroperoxy-1,2,3,4-tetrahydro-1-naphthol. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1988</b> , 44 ( Pt 11), 2027-8		
45	Crystal structure of the 2:1 acetonitrile complex of 18-crown-6. <i>Journal of Inclusion Phenomena</i> , <b>1988</b> , 6, 73-78		32
44	Carnitine acetyltransferase: A review of its biology, enzymology, and bioorganic chemistry. <i>Bioorganic Chemistry</i> , <b>1988</b> , 16, 307-334	5.1	60
43	1,4,13-diaza-18-crown-6 derivatives having pi-donor-group-sidearms: correlation of thermodynamics and solid state structures. <i>Tetrahedron Letters</i> , <b>1988</b> , 29, 3025-3028	2	41

42	Hemipalmitoylcarnitinium, a strong competitive inhibitor of purified hepatic carnitine palmitoyltransferase. <i>Archives of Biochemistry and Biophysics</i> , <b>1988</b> , 267, 515-20	4.1	13
41	Chemistry and revised structure of suvanine. <i>Journal of Organic Chemistry</i> , <b>1988</b> , 53, 570-575	4.2	46
40	Ring-sidearm cooperativity in cation inclusion complexes of 12-membered ring lariat ethers: effect of sidearm chain length and a clarification of long-sidearm binding strengths. <i>Journal of Organic Chemistry</i> , <b>1988</b> , 53, 5652-5657	4.2	21
39	Evidence for cryptand-like behavior in bibracchial lariat ether (BiBLE) complexes obtained from x-ray crystallography and solution thermodynamic studies. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 3716-3721	16.4	47
38	Steroidial lariat ethers: a new class of macrocycles and the crystal structure of N-(cholesteryloxycarbonyl)aza-15-crown-5. <i>Journal of Organic Chemistry</i> , <b>1987</b> , 52, 2963-2968	4.2	45
37	Effect of methylglyoxal bis(guanylhydrazone) on hepatic, heart and skeletal muscle mitochondrial carnitine palmitoyltransferase and beta-oxidation of fatty acids. <i>Biochemical Pharmacology</i> , <b>1987</b> , 36, 447-52	6	8
36	Cation-binding properties and molecular structure of the crystalline complex (aza-12-crown-4) <sub>2</sub> .nntdot.NaI. <i>Journal of Organic Chemistry</i> , <b>1987</b> , 52, 1128-1133	4.2	7
35	A 'Siameso' inhibitor: chiral recognition of a prochiral bilaterally symmetric molecule by carnitine acetyltransferase. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 7915-7916	16.4	11
34	Preparation of crystalline sodium norcarnitine: an easily handled precursor for the preparation of carnitine analogs and radiolabeled carnitine. <i>Analytical Biochemistry</i> , <b>1987</b> , 162, 459-62	3.1	10
33	Molecular structures of 4,13-diaza-18-crown-6 derivatives having glycyl-glycine sidearms: two potassium iodide complexes. <i>Tetrahedron Letters</i> , <b>1987</b> , 28, 1753-1755	2	7
32	Crystal structure of dicyclohexano-18-crown-6 potassium 2-nitrophenoxide. <i>Journal of Inclusion Phenomena</i> , <b>1987</b> , 5, 379-383		8
31	Conformational analysis of charged flexible molecules in water by application of a new Karplus equation combined with MM2 computations: conformations of carnitine and acetylcarnitine. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 7141-7147	16.4	43
30	Active-site probes of carnitine acyltransferases. Inhibition of carnitine acetyltransferase by hemiacetylcarnitinium, a reaction intermediate analogue. <i>Biochemical and Biophysical Research Communications</i> , <b>1986</b> , 138, 735-41	3.4	17
29	Crystal structures of isomeric (2,6-dioxacyclohexyl)phenols: models for preassociation complexes in acid-catalyzed solvolysis of acetals. <i>Journal of Organic Chemistry</i> , <b>1986</b> , 51, 1987-1991	4.2	6
28	Solid-state structural chemistry of lariat ether and BiBLE cation complexes: metal-ion identity and coordination number determine cavity size. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 4078-4088	16.4	102
27	Complexation by -(3,6,9-trioxadecyl)monoaza-12-crown-4 lariat ether: a calabash complex of a potassium cation by a synthetic macrocycle containing a total of only seven donor atoms. <i>Tetrahedron Letters</i> , <b>1985</b> , 26, 4035-4038	2	9
26	Crystal structures of carnitine and acetylcarnitine zwitterions: A structural hypothesis for mode of action. <i>Bioorganic Chemistry</i> , <b>1985</b> , 13, 197-208	5.1	19
25	An equation utilizing empirically derived substituent constants for the prediction of vicinal coupling constants in substituted ethanes. <i>Magnetic Resonance in Chemistry</i> , <b>1985</b> , 23, 335-343	2.1	69



24	Molecular mechanics assessment of the configurational statistics of polyoxyethylene. <i>Journal of Computational Chemistry</i> , <b>1984</b> , 5, 241-247	3.5	13
23	Synthesis and structures of stilbene cycles. 2. Low-valent titanium-induced ring closures of aromatic bis(carbonyls). <i>Journal of Organic Chemistry</i> , <b>1984</b> , 49, 1627-1634	4.2	30
22	Ester side-arm participation in a crystalline lariat ether-sodium bromide complex. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 7244-7245	16.4	26
21	The identity of 4-bromo-3-phenylisocoumarin. A facile preparation by bromolactonization of alkyl 2-(2-phenylethynyl)benzoates. <i>Journal of Organic Chemistry</i> , <b>1984</b> , 49, 558-559	4.2	52
20	Unequivocal evidence for sidearm participation in crystalline lariat ether complexes. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 6717-6718	16.4	46
19	Efficient synthesis of C-pivot lariat ethers. 2-(Alkoxyethyl)-1,4,7,10,13,16-hexaoxacyclooctadecanes. <i>Journal of Organic Chemistry</i> , <b>1983</b> , 48, 1116-1120	4.2	26
18	PREPARATION OF MONOALLYL ETHYLENE GLYCOLS. <i>Organic Preparations and Procedures International</i> , <b>1983</b> , 15, 152-153	1.1	2
17	Synthesis and structure of stilbene crowns.. <i>Tetrahedron Letters</i> , <b>1982</b> , 23, 1639-1642	2	18
16	On the importance of orientation in general base catalysis by carboxylate. <i>Bioorganic Chemistry</i> , <b>1981</b> , 10, 169-176	5.1	140
15	A comparison of the relative energies of isomeric intermediates formed in electrophilic, radical, and nucleophilic aromatic substitution reactions. <i>Tetrahedron</i> , <b>1980</b> , 36, 1001-1009	2.4	6
14	The remarkable catalytic power of glymes in ester aminolysis carried out in nonpolar media. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 2865-2866	16.4	23
13	Proton inventory of phthalic anhydride hydrolysis. Comments on analysis of proton-inventory data. <i>Journal of Organic Chemistry</i> , <b>1980</b> , 45, 1733-1737	4.2	16
12	Solvent isotope effects in intramolecular catalysis: Acyl transfer reactions of 4-nitrophenyl 5-nitrosalicylate in aqueous tris buffer. <i>Bioorganic Chemistry</i> , <b>1979</b> , 8, 45-58	5.1	3
11	Catalysis of ester aminolysis by macrocyclic ionophores. <i>Journal of the American Chemical Society</i> , <b>1978</b> , 100, 3608-3609	16.4	16
10	Secondary isotope effects in intramolecular catalysis. Mono(p-bromophenyl) succinate hydrolysis. <i>Journal of Organic Chemistry</i> , <b>1978</b> , 43, 1705-1708	4.2	10
9	Intramolecular Reactions and the Relevance of Models <b>1978</b> , 529-552		1
8	Transition-state structure for a conformation change of ribonuclease. <i>Bioorganic Chemistry</i> , <b>1975</b> , 4, 392-406	5.1	10
7	Proton bridges in enzyme catalysis. <i>Faraday Symposia of the Chemical Society</i> , <b>1975</b> , 10, 145		13

6	Multiproton catalysis in the hydrolysis of 3,5-dinitroaspirin. <i>Journal of the American Chemical Society</i> , <b>1974</b> , 96, 2231-4	16.4	6
5	Coupling of proton motions in catalytic activated complexes. Model potential-energy surfaces for hydrogen-bond chains. <i>Journal of the American Chemical Society</i> , <b>1974</b> , 96, 6967-6979	16.4	19
4	Structural requirements for intramolecular proton transfers. <i>Tetrahedron Letters</i> , <b>1974</b> , 15, 295-298	2	25
3	Chapter 26. Intramolecular Catalysis in Medicinal Chemistry. <i>Annual Reports in Medicinal Chemistry</i> , <b>1972</b> , 7, 279-288	1.6	3
2	Coupling reaction of phenyllithium with allylic chlorides. Influence of methyl substituents on the distribution of products. <i>Journal of Organic Chemistry</i> , <b>1971</b> , 36, 2099-2105	4.2	11
1	Coupling of phenyllithium with trans- and cis-1-chloro-2-butene. <i>Journal of Organic Chemistry</i> , <b>1970</b> , 35, 269-270	4.2	11