

# Harden M McConnell

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/11792447/harden-m-mcconnell-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

200  
papers

21,668  
citations

69  
h-index

145  
g-index

203  
ext. papers

22,272  
ext. citations

6.8  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
200	Molecular motion in spin-labeled phospholipids and membranes. <i>Journal of the American Chemical Society</i> , <b>1971</b> , 93, 314-26	16.4	1473
199	Reaction Rates by Nuclear Magnetic Resonance. <i>Journal of Chemical Physics</i> , <b>1958</b> , 28, 430-431	3.9	1280
198	Intramolecular Charge Transfer in Aromatic Free Radicals. <i>Journal of Chemical Physics</i> , <b>1961</b> , 35, 508-515	3.9	908
197	Lateral phase separation in phospholipid membranes. <i>Biochemistry</i> , <b>1973</b> , 12, 2351-60	3.2	892
196	Inside-outside transitions of phospholipids in vesicle membranes. <i>Biochemistry</i> , <b>1971</b> , 10, 1111-20	3.2	847
195	Theory of Isotropic Hyperfine Interactions in $\pi$ Electron Radicals. <i>Journal of Chemical Physics</i> , <b>1958</b> , 28, 107-117	3.9	777
194	Radiation Damage in Organic Crystals. II. Electron Spin Resonance of $(\text{CO}_2\text{H})\text{CH}_2\text{CH}(\text{CO}_2\text{H})$ in Succinic Acid. <i>Journal of Chemical Physics</i> , <b>1960</b> , 32, 1535-1539	3.9	723
193	Ferromagnetism in Solid Free Radicals. <i>Journal of Chemical Physics</i> , <b>1963</b> , 39, 1910-1910	3.9	706
192	Isotropic Nuclear Resonance Shifts. <i>Journal of Chemical Physics</i> , <b>1958</b> , 29, 1361-1365	3.9	647
191	Indirect Hyperfine Interactions in the Paramagnetic Resonance Spectra of Aromatic Free Radicals. <i>Journal of Chemical Physics</i> , <b>1956</b> , 24, 764-766	3.9	588
190	Theory of Nuclear Magnetic Shielding in Molecules. I. Long-Range Dipolar Shielding of Protons. <i>Journal of Chemical Physics</i> , <b>1957</b> , 27, 226-229	3.9	515
189	Physics and chemistry of spin labels. <i>Quarterly Reviews of Biophysics</i> , <b>1970</b> , 3, 91-136	7	439
188	Theory of anisotropic hyperfine interactions in $\pi$ electron radicals. <i>Molecular Physics</i> , <b>1959</b> , 2, 129-138	1.7	439
187	Condensed complexes of cholesterol and phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2003</b> , 1610, 159-73	3.8	335
186	Initiation of signal transduction through the T cell receptor requires the multivalent engagement of peptide/MHC ligands [corrected]. <i>Immunity</i> , <b>1998</b> , 9, 459-66	32.3	329
185	Effect of Anisotropic Hyperfine Interactions on Paramagnetic Relaxation in Liquids. <i>Journal of Chemical Physics</i> , <b>1956</b> , 25, 709-711	3.9	327
184	Two-dimensional chiral crystals of phospholipid. <i>Nature</i> , <b>1984</b> , 310, 47-9	50.4	319

183	Phase separations in phospholipid membranes. <i>Biochemistry</i> , <b>1975</b> , 14, 847-54	3.2	296
182	Electron Densities in Semiquinones by Paramagnetic Resonance. <i>Journal of Chemical Physics</i> , <b>1956</b> , 24, 632-632	3.9	270
181	Lateral phase separations in binary mixtures of cholesterol and phospholipids. <i>Biochemical and Biophysical Research Communications</i> , <b>1973</b> , 53, 446-51	3.4	243
180	Translational diffusion of individual class II MHC membrane proteins in cells. <i>Biophysical Journal</i> , <b>2002</b> , 83, 2681-92	2.9	224
179	Liquid-liquid immiscibility in membranes. <i>Annual Review of Biophysics and Biomolecular Structure</i> , <b>2003</b> , 32, 469-92		221
178	Shapes of finite two-dimensional lipid domains. <i>The Journal of Physical Chemistry</i> , <b>1988</b> , 92, 4520-4525		221
177	Phase equilibria in binary mixtures of phosphatidylcholine and cholesterol. <i>Biochemistry</i> , <b>1981</b> , 20, 4505-10	3.0	217
176	Condensed complexes of cholesterol and phospholipids. <i>Biophysical Journal</i> , <b>1999</b> , 77, 1507-17	2.9	210
175	Nitrogen Hyperfine Tensor and g Tensor of Nitroxide Radicals. <i>Journal of Chemical Physics</i> , <b>1965</b> , 43, 2909-2910	3.9	203
174	Interactions of proteins and cholesterol with lipids in bilayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1976</b> , 419, 206-22	3.8	186
173	Line tension between liquid domains in lipid monolayers. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 6820-6824		173
172	T-cell-mediated association of peptide antigen and major histocompatibility complex protein detected by energy transfer in an evanescent wave-field. <i>Nature</i> , <b>1986</b> , 320, 179-81	50.4	171
171	Cholesterol stabilizes the crystal-liquid interface in phospholipid monolayers. <i>The Journal of Physical Chemistry</i> , <b>1985</b> , 89, 4453-4459		171
170	Spin Density Matrices for Paramagnetic Molecules. <i>Journal of Chemical Physics</i> , <b>1958</b> , 28, 1188-1192	3.9	170
169	INTERACTION OF THE RADICAL ION OF CHLORPROMAZINE WITH DEOXYRIBONUCLEIC ACID. <i>Journal of the American Chemical Society</i> , <b>1965</b> , 87, 2293	16.4	156
168	Paramagnetic Excitons in Molecular Crystals. <i>Journal of Chemical Physics</i> , <b>1961</b> , 35, 1793-1800	3.9	154
167	Kinetics and extent of T cell activation as measured with the calcium signal. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 185, 1815-25	16.6	146
166	Motion of fatty acid spin labels in the plasma membrane of mycoplasma. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1970</b> , 219, 104-13	3.8	144

165	Chemical activity of cholesterol in membranes. <i>Biochemistry</i> , <b>2000</b> , 39, 8119-24	3.2	142
164	Altered T cell receptor ligands trigger a subset of early T cell signals. <i>Immunity</i> , <b>1996</b> , 5, 125-35	32.3	139
163	Physical properties of lipid monolayers on alkylated planar glass surfaces. <i>Biophysical Journal</i> , <b>1981</b> , 36, 421-7	2.9	135
162	Lateral phase separations in Escherichia coli membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1974</b> , 345, 220-30	3.8	132
161	Critical mixing in monolayer mixtures of phospholipid and cholesterol. <i>The Journal of Physical Chemistry</i> , <b>1987</b> , 91, 1715-1718		128
160	A kinetic intermediate in the reaction of an antigenic peptide and I-Ek. <i>Nature</i> , <b>1989</b> , 337, 274-6	50.4	123
159	Formation of a highly peptide-receptive state of class II MHC. <i>Immunity</i> , <b>1998</b> , 9, 699-709	32.3	122
158	Lateral phase separations in binary lipid mixtures: correlation between spin label and freeze-fracture electron microscopic studies. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1974</b> , 363, 151-8	3.8	113
157	The fraction of the lipid in a biological membrane that is in a fluid state: a spin label assay. <i>Biochemical and Biophysical Research Communications</i> , <b>1972</b> , 47, 273-81	3.4	113
156	The effect of prostaglandins E1 and E2 on the human erythrocyte as monitored by spin labels. <i>Biochemical and Biophysical Research Communications</i> , <b>1974</b> , 56, 478-83	3.4	110
155	Cholesterol depletion suppresses the translational diffusion of class II major histocompatibility complex proteins in the plasma membrane. <i>Biophysical Journal</i> , <b>2005</b> , 88, 334-47	2.9	105
154	Stripe Phases in Lipid Monolayers near a Miscibility Critical Point. <i>Physical Review Letters</i> , <b>1999</b> , 82, 1602-1605	16.05	102
153	Lateral phase separations in binary mixtures of phospholipids having different charges and different crystalline structures. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1977</b> , 470, 303-16	3.8	101
152	Surface dipole densities in lipid monolayers. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 6686-6691		100
151	Cholesterol-Phospholipid Complexes in Membranes. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 486-487	16.4	99
150	Cholesterol depletion induces solid-like regions in the plasma membrane. <i>Biophysical Journal</i> , <b>2006</b> , 90, 927-38	2.9	96
149	Spin-label-induced nuclear relaxation. Distances between bound saccharides, histidine-15, and tryptophan-123 on lysozyme in solution. <i>Biochemistry</i> , <b>1972</b> , 11, 3707-16	3.2	96
148	Contribution of $\pi$ electrons to nuclear spin-spin coupling of aromatic protons. <i>Journal of Molecular Spectroscopy</i> , <b>1957</b> , 1, 11-17	1.3	96

147	Quantized symmetry of liquid monolayer domains. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 9532-9539		88
146	Harmonic shape transitions in lipid monolayer domains. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 4728-4731		86
145	Calculation of paramagnetic resonance spectra sensitive to very slow rotational motion. <i>Chemical Physics Letters</i> , <b>1974</b> , 25, 470-475	2.5	83
144	Potentiometric Measurement of Intracellular Redox Activity. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 2464-2473	16.4	82
143	Spin-labeled hemoglobin derivatives in solution, polycrystalline suspensions, and single crystals. <i>Biochemistry</i> , <b>1969</b> , 8, 2580-5	3.2	81
142	Negative Nuclear Spin-Spin Coupling Constants for Aromatic Protons. <i>Journal of Chemical Physics</i> , <b>1959</b> , 30, 126-128	3.9	81
141	Condensed complexes and the calorimetry of cholesterol-phospholipid bilayers. <i>Biophysical Journal</i> , <b>2001</b> , 81, 2774-85	2.9	79
140	Multiple phase equilibria in binary mixtures of phospholipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1978</b> , 509, 462-73	3.8	79
139	Lateral phase separations and perpendicular transport in membranes. <i>Biochemical and Biophysical Research Communications</i> , <b>1973</b> , 55, 484-91	3.4	79
138	Critical shape transitions of monolayer lipid domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1989</b> , 86, 6445-8	11.5	78
137	Regulation of Membrane Flexibility in Human Erythrocytes. <i>Biochemistry</i> , <b>1975</b> , 14, 2798-803	3.2	76
136	THE FLEXIBILITY GRADIENT IN BIOLOGICAL MEMBRANES. <i>Annals of the New York Academy of Sciences</i> , <b>1972</b> , 195, 207-217	6.5	76
135	Paramagnetic Excitons in Solid Free Radicals. <i>Journal of Chemical Physics</i> , <b>1962</b> , 36, 2393-2397	3.9	76
134	Structural and dynamical aspects of membrane immunochemistry using model membranes. <i>Biochemistry</i> , <b>1977</b> , 16, 1209-17	3.2	74
133	Induction of helical liposomes by Ca <sup>2+</sup> -mediated intermembrane binding. <i>Nature</i> , <b>1982</b> , 296, 164-5	50.4	73
132	Saturated Phospholipids with High Melting Temperatures Form Complexes with Cholesterol in Monolayers. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 7522-7527	3.4	71
131	Spin-Orbit Coupling in Orbitally Degenerate States of Aromatic Ions. <i>Journal of Chemical Physics</i> , <b>1961</b> , 34, 13-16	3.9	69
130	Negative Spin Densities in Aromatic Radicals. <i>Journal of Chemical Physics</i> , <b>1957</b> , 27, 984-985	3.9	67

129	Spin Densities in the Perinaphthenyl Free Radical. <i>Journal of Chemical Physics</i> , <b>1958</b> , 28, 51-53	3.9	65
128	Magnetic resonance of a monoclonal anti-spin-label antibody. <i>Biochemistry</i> , <b>1984</b> , 23, 1138-1142	3.2	63
127	Rotational correlation time of spin-labeled alpha-chymotrypsin. <i>Biochemical and Biophysical Research Communications</i> , <b>1972</b> , 46, 321-7	3.4	61
126	Theory of Paramagnetic Excitons in Solid Free Radicals. <i>Journal of Chemical Physics</i> , <b>1962</b> , 37, 794-798	3.9	61
125	Study of Molecular Orbital Degeneracy in C5H5. <i>Journal of Chemical Physics</i> , <b>1965</b> , 42, 3931-3934	3.9	60
124	A functional acetylcholine receptor in the human erythrocyte. <i>Biochemical and Biophysical Research Communications</i> , <b>1974</b> , 57, 726-32	3.4	59
123	Structural factors contributing to DM susceptibility of MHC class II/peptide complexes. <i>Journal of Immunology</i> , <b>2002</b> , 169, 5109-17	5.3	58
122	Dynamic properties of binary mixtures of phosphatidylcholines and cholesterol. <i>Biochemistry</i> , <b>1980</b> , 19, 569-73	3.2	57
121	Surface areas of lipid membranes. <i>Biochemistry</i> , <b>1978</b> , 17, 837-40	3.2	56
120	Stoichiometry of cholesterol-sphingomyelin condensed complexes in monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2001</b> , 1511, 1-6	3.8	54
119	Rates of Paramagnetic Pulse Reactions by Nuclear Magnetic Resonance. <i>Journal of Chemical Physics</i> , <b>1957</b> , 27, 230-234	3.9	53
118	Relationship between kinetic stability and immunogenicity of HLA-DR4/peptide complexes. <i>European Journal of Immunology</i> , <b>2002</b> , 32, 662-70	6.1	52
117	Kinetics of the reactions between the invariant chain (85-99) peptide and proteins of the murine class II MHC. <i>International Immunology</i> , <b>1995</b> , 7, 1397-404	4.9	50
116	Circle to dogbone: shapes and shape transitions of lipid monolayer domains. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 13419-13424		50
115	Lateral diffusion of M-13 coat protein in mixtures of phosphatidylcholine and cholesterol. <i>Biochemistry</i> , <b>1980</b> , 19, 5907-11	3.2	50
114	Conformational isomers of a class II MHC-peptide complex in solution. <i>Journal of Molecular Biology</i> , <b>1999</b> , 286, 207-18	6.5	49
113	NMR technique for assessing contributions of heavy and light chains to an antibody combining site. <i>Nature</i> , <b>1985</b> , 315, 65-7	50.4	48
112	Kinetics of peptide binding to the class II MHC protein I-Ek. <i>Biochemistry</i> , <b>2000</b> , 39, 1048-58	3.2	47

111	Kinetics of antibody-dependent binding of haptened phospholipid vesicles to a macrophage-related cell line. <i>Biochemistry</i> , <b>1980</b> , 19, 5376-86	3.2	47
110	Electronic Structure of Sodium-Ammonia Solutions by Nuclear Magnetic Resonance. <i>Journal of Chemical Physics</i> , <b>1957</b> , 26, 1517-1522	3.9	47
109	Equilibrium Thermodynamics of Lipid Monolayer Domains. <i>Langmuir</i> , <b>1996</b> , 12, 4897-4904	4	46
108	Mono- and bilayers of phospholipids at interfaces: interlayer coupling and phase stability. <i>The Journal of Physical Chemistry</i> , <b>1985</b> , 89, 3592-3595		45
107	Theory of Singlet-Triplet Splittings in Large Biradicals. <i>Journal of Chemical Physics</i> , <b>1960</b> , 33, 115-121	3.9	45
106	Spin Densities in Odd Alternant Hydrocarbon Radicals. <i>Journal of Chemical Physics</i> , <b>1960</b> , 32, 176-181	3.9	44
105	Molecular Motion in Biological Membranes <b>1976</b> , 525-560		44
104	Miscibility critical pressures in monolayers of ternary lipid mixtures. <i>Biophysical Journal</i> , <b>2000</b> , 79, 2033-429		43
103	Evidence that the autoimmune antigen myelin basic protein (MBP) Ac1-9 binds towards one end of the major histocompatibility complex (MHC) cleft. <i>Journal of Experimental Medicine</i> , <b>1998</b> , 187, 1505-16	16.6	43
102	Triggering of the macrophage and neutrophil respiratory burst by antibody bound to a spin-label phospholipid hapten in model lipid bilayer membranes. <i>Biochemistry</i> , <b>1980</b> , 19, 5387-94	3.2	43
101	Dirac Vector Model for Electron Coupled Nuclear Spin Interactions. <i>Journal of Chemical Physics</i> , <b>1955</b> , 23, 2454-2454	3.9	43
100	Molecular Transfer of Nonequilibrium Nuclear Spin Magnetization. <i>Journal of Chemical Physics</i> , <b>1957</b> , 26, 958-959	3.9	42
99	Free Rotation in Solids at 4.2°K. <i>Journal of Chemical Physics</i> , <b>1958</b> , 29, 1422-1422	3.9	42
98	Motion of Localized Triplet Excitons. <i>Journal of Chemical Physics</i> , <b>1965</b> , 43, 3780-3794	3.9	42
97	Proton Resonance Shifts in Paramagnetic Metal Aromatic Complexes. <i>Journal of Chemical Physics</i> , <b>1958</b> , 28, 749-750	3.9	39
96	Liquid-liquid immiscibility in lipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1997</b> , 1329, 7-11	3.8	38
95	States of hemoglobin in solution. <i>Biochemistry</i> , <b>1972</b> , 11, 4792-9	3.2	36
94	Effect of a magnetic field on phospholipid membranes. <i>Chemical Physics Letters</i> , <b>1974</b> , 24, 310-313	2.5	36

93	Note on the theory of the sizes and shapes of lipid domains in monolayers. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 7101-7103		33
92	Distances of tyrosine residues from a spin-label hapten in the combining site of a specific monoclonal antibody. <i>Biochemistry</i> , <b>1984</b> , 23, 5372-5	3.2	33
91	Paramagnetic Resonance of Cycloheptatrienyl. <i>Journal of Chemical Physics</i> , <b>1962</b> , 37, 1150-1151	3.9	33
90	Field-gradient electrophoresis of lipid domains. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 2962-2966		31
89	Hydrogen atom exchange between nitroxides and hydroxylamines. <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 3592-3595	16.4	31
88	Kinetic isomers of a class II MHC-peptide complex. <i>Biochemistry</i> , <b>1998</b> , 37, 17371-80	3.2	30
87	A thermodynamic model for extended complexes of cholesterol and phospholipid. <i>Biophysical Journal</i> , <b>2002</b> , 83, 2039-52	2.9	30
86	Carbon-13 Hyperfine Splitting in CH(COOH) <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1959</b> , 31, 1688-1689	3.9	30
85	Phase Equilibria in binary mixtures of dimyristoylphosphatidylcholine and cardiolipin. <i>Biochemistry</i> , <b>1981</b> , 20, 6635-40	3.2	28
84	Formation of two peptide/MHC II isomers is catalyzed differentially by HLA-DM. <i>Biochemistry</i> , <b>2003</b> , 42, 838-47	3.2	27
83	Thermal Dissociation of Condensed Complexes of Cholesterol and Phospholipid. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 4755-4762	3.4	27
82	Triplet Excitons in Morpholinium TCNQ. <i>Journal of Chemical Physics</i> , <b>1965</b> , 43, 497-498	3.9	27
81	Formation and dissociation of short-lived class II MHC-peptide complexes. <i>Biochemistry</i> , <b>1994</b> , 33, 1861-8	3.2	25
80	Clustering of nitroxide spin labels in lipid bilayer membranes. <i>Journal of the American Chemical Society</i> , <b>1977</b> , 99, 1637-42	16.4	25
79	Model lipid bilayer membranes as targets for antibody-dependent, cellular- and complement-mediated immune attack. <i>Annals of the New York Academy of Sciences</i> , <b>1978</b> , 308, 124-38	6.5	25
78	Binding of cytotoxic T-lymphocytes to supported lipid monolayers containing trypsinized H-2Kk. <i>Molecular Immunology</i> , <b>1983</b> , 20, 1227-31	4.3	24
77	Covalent linkage of a synthetic peptide to a fluorescent phospholipid and its incorporation into supported phospholipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1984</b> , 772, 10-9	3.8	24
76	Cloverleaf Monolayer Domains. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 381-388	3.4	23



75	Lateral Reorganization of Fluid Lipid Membranes in Response to the Electric Field Produced by a Buried Charge. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 11409-11415	3.4	23
74	Molecular modeling and design of invariant chain peptides with altered dissociation kinetics from class II MHC. <i>Biochemistry</i> , <b>1996</b> , 35, 14734-42	3.2	23
73	Kinetics of the reaction of a myelin basic protein peptide with soluble IAU. <i>Biochemistry</i> , <b>1995</b> , 34, 14874-82	3.2	21
72	Structural and kinetic studies of the Fab fragment of a monoclonal anti-spin label antibody by nuclear magnetic resonance. <i>Journal of Molecular Biology</i> , <b>1991</b> , 221, 257-70	6.5	21
71	Kinetics of phase equilibrium in a binary mixture of phospholipids. <i>Journal of the American Chemical Society</i> , <b>1976</b> , 98, 1314-8	16.4	21
70	The Biradical Paradox. <i>Journal of Chemical Physics</i> , <b>1960</b> , 33, 1868-1869	3.9	21
69	Antiparallel Spin Polarization in Triplet States. <i>Journal of Chemical Physics</i> , <b>1961</b> , 35, 1520-1521	3.9	21
68	Phonon-Coupled Interactions between Paramagnetic Excitons. <i>Journal of Chemical Physics</i> , <b>1964</b> , 40, 586-588	3.9	21
67	Reactions of Peptides with Class II Proteins of the Major Histocompatibility Complex. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 10429-10433	16.4	20
66	Molecular Transfer of Nonequilibrium Nuclear Spin Magnetization. <i>Journal of Chemical Physics</i> , <b>1959</b> , 31, 85-88	3.9	20
65	Critical points in charged membranes containing cholesterol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 13391-6	11.5	19
64	Electric Field Effects in Multicomponent Fluid Lipid Membranes. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 119-124	3.4	18
63	Specific antibody-dependent activation of neutrophils by liposomes containing spin-label lipid haptens. <i>Biochemical and Biophysical Research Communications</i> , <b>1979</b> , 86, 522-8	3.4	18
62	Peptide binding to active class II MHC protein on the cell surface. <i>Journal of Immunology</i> , <b>2001</b> , 166, 6680-5	3.5	16
61	Monoclonal antibodies to a nitroxide lipid hapten. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1982</b> , 721, 30-8	4.9	16
60	Equality of the rates of lateral diffusion of phosphatidylethanolamine and phosphatidylcholine spin labels in rabbit sarcoplasmic reticulum. <i>Annals of the New York Academy of Sciences</i> , <b>1973</b> , 222, 489-98	6.5	16
59	Zero Field Splittings in Atomic Nitrogen at 4.2°K. <i>Journal of Chemical Physics</i> , <b>1958</b> , 29, 451-451	3.9	16
58	pH stability of HLA-DR4 complexes with antigenic peptides. <i>Biochemistry</i> , <b>2000</b> , 39, 14558-66	3.2	15

57	Cytochemical study of liposome and lipid vesicle phagocytosis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1983</b> , 735, 77-85	3.8	15
56	Nonaromatic amino acids in the combining site region of a monoclonal anti-spin-label antibody. <i>Biochemistry</i> , <b>1984</b> , 23, 6470-3	3.2	15
55	The paramagnetic resonance spectra of spin labels in phospholipid membranes. <i>Journal of Magnetic Resonance</i> , <b>1974</b> , 16, 1-28		15
54	Spin label orientation at the active site of -chymotrypsin in single crystals. <i>Biochemical and Biophysical Research Communications</i> , <b>1971</b> , 43, 651-7	3.4	15
53	Mechanism of peptide release from major histocompatibility complex class II molecules. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 9680-9682	16.4	14
52	Cytochemical study of macrophage lysosomal inorganic trimetaphosphatase and acid phosphatase. <i>Journal of Ultrastructure Research</i> , <b>1985</b> , 90, 80-8		14
51	Spin-label determination of enzyme symmetry. <i>The Journal of Physical Chemistry</i> , <b>1967</b> , 71, 12-4		14
50	Two fatty acids can replace one phospholipid in condensed complexes with cholesterol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2002</b> , 1564, 1-4	3.8	13
49	Photochemical reaction of alkylpentacyanocobaltates with nitroxides. A new biophysical tool. <i>Journal of the American Chemical Society</i> , <b>1977</b> , 99, 7091-7092	16.4	13
48	A new spin-labelled substrate for -galactosidase and -galactoside permease. <i>Biochemical and Biophysical Research Communications</i> , <b>1972</b> , 49, 1631-7	3.4	13
47	Spin-spin interactions between spin-labeled phospholipids incorporated into membranes. <i>Journal of Magnetic Resonance</i> , <b>1973</b> , 9, 474-485		13
46	Spin Density Matrix for the Allyl Radical. <i>Journal of Chemical Physics</i> , <b>1958</b> , 29, 244-245	3.9	13
45	Interpretation of biphasic dissociation kinetics for isomeric class II major histocompatibility complex-peptide complexes. <i>Biophysical Journal</i> , <b>1999</b> , 77, 2451-61	2.9	12
44	Critical pressures in multicomponent lipid monolayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1996</b> , 1280, 169-72	3.8	12
43	Site-directed mutagenesis and 1H nuclear magnetic resonance of an anti-dinitrophenyl spin label antibody. <i>Journal of Molecular Biology</i> , <b>1994</b> , 244, 301-18	6.5	12
42	Superoxide enhances photobleaching during cellular immune attack against fluorescent lipid monolayer membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1984</b> , 772, 20-8	3.8	12
41	Isomeric Complexes of Peptides with Class II Proteins of the Major Histocompatibility Complex. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 977-980	16.4	11
40	Binding of triphosphate spin labels to hemoglobin Kempsey. <i>Biochemical and Biophysical Research Communications</i> , <b>1972</b> , 47, 157-65	3.4	11

39	X-Ray Scattering by Triplet Excitons. <i>Journal of Chemical Physics</i> , <b>1965</b> , 43, 4126-4129	3.9	11
38	Hydrodynamics of Domain Size Equilibration in Monolayers. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 6927-6931	3.4	10
37	The kinetics of peptide reactions with class II major histocompatibility complex membrane proteins. <i>Accounts of Chemical Research</i> , <b>1993</b> , 26, 442-448	24.3	10
36	Antigenic peptide binding to the mouse major histocompatibility complex class II protein I-Ek. Peptide stabilization of the quaternary structure of I-Ek. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 3506-3511	16.4	10
35	Binding of antibodies to nitroxide spin labels and to the corresponding hydroxylamines. <i>Biochemical and Biophysical Research Communications</i> , <b>1976</b> , 73, 248-54	3.4	10
34	Comments on "Theory of Isotropic Hyperfine Interactions in Electron Radicals" <i>Journal of Chemical Physics</i> , <b>1958</b> , 28, 991-992	3.9	10
33	Pressure Effect on Exciton Magnetic Resonance. <i>Journal of Chemical Physics</i> , <b>1964</b> , 41, 898-899	3.9	10
32	Phase Behavior of Multicomponent Phospholipid Mixtures with Cholesterol. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 9918-9928	3.4	9
31	Stripe Phase Hydrodynamics in Lipid Monolayers. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 7722-7728		9
30	Kinetics of antibody-dependent activation of the first component of complement on lipid bilayer membranes. <i>Biochemical and Biophysical Research Communications</i> , <b>1980</b> , 93, 235-42	3.4	9
29	2. Nitroxide Spin Labels. <i>Methods in Experimental Physics</i> , <b>1982</b> , 53-122		9
28	Erratum and Further Comments: Radiation Damage in Organic Crystals. III. Long Polyene Radicals. <i>Journal of Chemical Physics</i> , <b>1962</b> , 37, 3008-3008	3.9	9
27	Crystallization of an anti-2,2,6,6-tetramethyl-1-piperidinyloxy-dinitrophenyl monoclonal antibody Fab fragment with and without bound hapten. <i>Journal of Molecular Biology</i> , <b>1988</b> , 203, 829-30	6.5	8
26	The use of spin labels for measuring distances in biological systems. <i>Annals of the New York Academy of Sciences</i> , <b>1973</b> , 222, 149-62	6.5	8
25	CH <sub>2</sub> (COOH) in Malonic Acid. <i>Journal of Chemical Physics</i> , <b>1961</b> , 35, 1910-1911	3.9	8
24	Understanding membranes. <i>ACS Chemical Biology</i> , <b>2008</b> , 3, 265-7	4.9	7
23	Multiple cholesterol-phospholipid complexes in membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2000</b> , 171, 13-23	5.1	7
22	Anomalous kinetics in antibody-antigen interactions. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 3034-3039		7

21	Line-shape analysis of NMR difference spectra of an anti-spin-label antibody. <i>Biochemistry</i> , <b>1988</b> , 27, 5161-5	3.2	7
20	The lateral mobility and surface distribution of Lyt-1, Lyt-2 and Lyt-3 on mouse thymocytes. <i>Molecular Immunology</i> , <b>1982</b> , 19, 1481-9	4.3	7
19	Cytokines elicited by T cell epitopes from a synovial autoantigen: altered peptide ligands can reduce interferon-gamma and interleukin-10 production. <i>Arthritis and Rheumatism</i> , <b>2003</b> , 48, 2375-85		6
18	Coupling of Size and Shape Equilibration in Lipid Monolayer Domains. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 1657-1662	3.4	6
17	Binding of truncated peptides to the MHC molecule IA (d). <i>FEBS Letters</i> , <b>1991</b> , 294, 244-6	3.8	6
16	Reactions of photoradicals with nitroxide spin labels. <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 3272-3277	16.4	6
15	Quantum States of a Triplet Exciton Gas. <i>Journal of Chemical Physics</i> , <b>1963</b> , 39, 252-253	3.9	6
14	Three-phase intersection points in monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1995</b> , 102, 167-172	5.1	5
13	Kinetics of registry selection of chimeric peptides binding to MHC II. <i>Biochemistry</i> , <b>2001</b> , 40, 10284-92	3.2	4
12	Triphosphate spin-label studies of allosteric interactions in hemoglobin. <i>Annals of the New York Academy of Sciences</i> , <b>1973</b> , 222, 56-67	6.5	4
11	Insight into antibody combining sites using nuclear magnetic resonance and spin label haptens. <i>Advances in Protein Chemistry</i> , <b>1996</b> , 49, 135-48		3
10	SPIN-LABELED PROTEIN CRYSTALS <b>1967</b> , 313-323		3
9	Dynamic Properties of Membranes; Membrane Immunochemistry. <i>Advances in Chemical Physics</i> , <b>2007</b> , 249-285		2
8	Book Reviews[Force of Nature, Linus Pauling, and Linus Pauling in His Own Words, reviewed by H. M. McConnell * Vignettes * Books Received. <i>Science</i> , <b>1996</b> , 271, 603-604	33.3	2
7	Antigen Presentation by Supported Planar Membranes Containing Purified Major Histocompatibility Complex Proteins <b>1988</b> , 143-155		1
6	Inhibition of class II MHC-peptide complex formation by protease inhibitors. <i>Journal of Immunological Methods</i> , <b>1994</b> , 173, 127-31	2.5	
5	Monomolecular Films and Long-Range Dipole Forces. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , <b>1989</b> , 176, 321-327		
4	Physical Chemistry and Biological Strategy of Antigen Recognition. <i>Springer Series in Biophysics</i> , <b>1987</b> , 5-9		

3 Specificities of Germ Line Antibodies **1989**, 367-376

2 Diversity of Molecular Recognition: The Combining Sites of Monoclonal Anti Spin Label Antibodies  
**1986**, 87-91

1 Spin-Labeled Membranes. *Journal of General Physiology*, **1969**, 54, 277-286

3-4