

# J Michael Schurr

## List of Publications by Year in descending order

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178  
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178  
docs citations

178  
times ranked

2462  
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantitative model of a cooperative two-state equilibrium in DNA: experimental tests, insights, and predictions. <i>Quarterly Reviews of Biophysics</i> , 2021, 54, e5.	2.4	9
2	Effects of Sequence Changes on the Torsion Elastic Constant and Persistence Length of DNA. Applications of the Two-State Model. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7343-7353.	1.2	9
3	Temperature-dependence of the bending elastic constant of DNA and extension of the two-state model. Tests and new insights. <i>Biophysical Chemistry</i> , 2019, 251, 106146.	1.5	13
4	The Scientific Life of J�rg Langowski: A Reminiscence. <i>Biophysical Journal</i> , 2018, 114, E1-E3.	0.2	0
5	Possible Origin of the Increased Torsion Elastic Constant of Small Circular DNAs: Bending-Induced Axial Tension. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5709-5717.	1.2	6
6	A Possible Cooperative Structural Transition of DNA in the 0.25–2.0 pN Range. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6389-6400.	1.2	12
7	Phenomena Associated with Gel–Water Interfaces. Analyses and Alternatives to the Long-Range Ordered Water Hypothesis. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7653-7674.	1.2	25
8	A Theory of Macromolecular Chemotaxis. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7626-7652.	1.2	58
9	Supercoiled pseudocircular domains in single twisted DNAs under tension. Elastic constants and unwinding dynamics in complexes with Topo I. <i>Biopolymers</i> , 2013, 99, n/a-n/a.	1.2	2
10	Calf-Thymus Topoisomerase I Equilibrates Metastable Secondary Structure Subsequent to Relaxation of Superhelical Stress. <i>Biochemistry</i> , 2010, 49, 3367-3380.	1.2	9
11	Tribute for J. Michael Schurr. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2543-2544.	1.2	0
12	Autobiography of J. Michael Schurr. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2545-2549.	1.2	0
13	A Structural Transition in Duplex DNA Induced by Ethylene Glycol. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13367-13380.	1.2	8
14	Estimation of the Persistence Length of DNA from the Torsion Elastic Constant and Supercoiling Free Energy: Effect of Ethylene Glycol. <i>Journal of Physical Chemistry B</i> , 2008, 112, 13359-13366.	1.2	4
15	Chapter 9. Polyanion Models of Nucleic Acid–Metal Ion Interactions. <i>RSC Biomolecular Sciences</i> , 2008, , 307-349.	0.4	1
16	Effects of ethylene glycol on the torsion elastic constant and hydrodynamic radius of p30‐ DNA. <i>Biopolymers</i> , 2007, 85, 222-232.	1.2	5
17	Torsional Rigidities of Weakly Strained DNAs. <i>Biophysical Journal</i> , 2006, 91, 4166-4179.	0.2	25
18	Bruno H. Zimm (1920–2005). <i>Biophysical Chemistry</i> , 2006, 121, 155-156.	1.5	0

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19	Can reliable torsion elastic constants be determined from FPA data on 24 and 27 base-pair DNAs?. Biophysical Chemistry, 2005, 116, 41-55.	1.5	3
20	A Contribution to the Theory of Preferential Interaction Coefficients. Biophysical Journal, 2005, 89, 2258-2276.	0.2	72
21	Effects of small neutral osmolytes on the supercoiling free energy and intrinsic twist of p30? DNA. Biopolymers, 2004, 75, 291-313.	1.2	11
22	Monte Carlo Simulations of Locally Melted Supercoiled DNAs in 20 mM Ionic Strength. Biophysical Journal, 2004, 86, 3079-3096.	0.2	17
23	Extensions of Counterion Condensation Theory. 2. Cell Model and Osmotic Pressure of DNA. Journal of Physical Chemistry B, 2003, 107, 4451-4458.	1.2	13
24	Equalities for the Nonequilibrium Work Transferred from an External Potential to a Molecular System. Analysis of Single-Molecule Extension Experiments. Journal of Physical Chemistry B, 2003, 107, 14007-14019.	1.2	33
25	Fluorescence Studies of Nucleic Acids: Dynamics, Rigidities, and Structures. , 2002, , 137-229.		21
26	Monte Carlo Simulations of Supercoiled DNAs Confined to a Plane. Biophysical Journal, 2002, 82, 944-962.	0.2	29
27	Extensions of counterion condensation theory. I. Alternative geometries and finite salt concentration. Biophysical Chemistry, 2002, 101-102, 425-445.	1.5	23
28	Effect of polyethylene glycol on the supercoiling free energy of DNA. Biopolymers, 2001, 58, 204-217.	1.2	13
29	The distribution of end-to-end distances of the weakly bending rod model. Biopolymers, 2000, 54, 561-571.	1.2	8
30	Molecular Motions in Fourier Transform Space. Biophysical Journal, 2000, 79, 1692-1694.	0.2	2
31	Dynamic Bending Rigidity of a 200-bp DNA in 4mM Ionic Strength: A Transient Polarization Grating Study. Biophysical Journal, 2000, 78, 1498-1518.	0.2	32
32	A transient polarization grating method to study tumbling and bending dynamics of DNA. Review of Scientific Instruments, 1999, 70, 2471-2480.	0.6	5
33	Manifestations of Slow Site Exchange Processes in Solution NMR: A Continuous Gaussian Exchange Model. Journal of Magnetic Resonance, 1999, 140, 404-431.	1.2	13
34	Dynamic twisting correlations in a model DNA with uniform torsion elastic constant. , 1999, 49, 355-359.		5
35	Effect of Intermolecular Electrostatic Interactions on the End-over-End Rotational Dynamics of 200-Base-Pair DNAs. Macromolecules, 1999, 32, 8210-8219.	2.2	3
36	Thermodynamics of the first transition in writhe of a small circular DNA by Monte Carlo simulation. Biopolymers, 1998, 38, 493-503.	1.2	9

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37	Effect of temperature on DNA secondary structure in the absence and presence of 0.5M tetramethylammonium chloride. , 1998, 45, 503-515.		24
38	Comment on "Diffusional spinning as a probe of DNA fragments conformation"[J. Chem. Phys. 104, 6058 (1996)]. Journal of Chemical Physics, 1997, 106, 815-816.	1.2	12
39	Effect of Regular Anisotropic Permanent Bending on the Diffusional Spinning and Fluorescence Polarization Anisotropy of Short DNA Fragments Studied by Brownian Dynamics Simulation. Macromolecules, 1997, 30, 7131-7142.	2.2	14
40	On the origin of the temperature dependence of the supercoiling free energy. Biophysical Journal, 1997, 73, 2688-2701.	0.2	26
41	The question of long-range allosteric transitions in DNA. , 1997, 44, 283-308.		46
42	Comparison of hard-cylinder and screened coulomb interactions in the modeling of supercoiled DNAs. Biopolymers, 1997, 42, 455-470.	1.2	25
43	The question of long-range allosteric transitions in DNA. , 1997, 44, 283.		1
44	Comparison of hard-cylinder and screened coulomb interactions in the modeling of supercoiled DNAs. , 1997, 42, 455.		1
45	Comparison of Analytical Theory with Brownian Dynamics Simulations for Small Linear and Circular DNAs. Macromolecules, 1996, 29, 3583-3596.	2.2	36
46	Effect of Bending Strain on the Torsion Elastic Constant of DNA. Journal of Molecular Biology, 1996, 260, 718-730.	2.0	96
47	Effects of Na <sup>+</sup> and Mg <sup>2+</sup> on the Structures of Supercoiled DNAs: Comparison of Simulations with Experiments. Journal of Molecular Biology, 1996, 262, 105-128.	2.0	71
48	Thermodynamics of the first transition in writhe of a small circular DNA by Monte Carlo simulation. , 1996, 38, 493.		8
49	<title>Effect of bending strain on the torsion constant of DNA</title>. , 1995, 2370, 294.		0
50	Effect of anisotropy of the bending rigidity on the supercoiling free energy of small circular DNAs. Biopolymers, 1995, 36, 633-641.	1.2	17
51	Position-Dependent Internal Motions and Effective Correlation Times for Magnetization Transfer in DNA. Journal of Magnetic Resonance Series B, 1995, 106, 64-67.	1.6	6
52	A theory for electric dichroism and birefringence decays and depolarized dynamic light scattering of weakly bending rods. Macromolecules, 1995, 28, 6600-6607.	2.2	11
53	Monte Carlo simulations of supercoiling free energies for unknotted and trefoil knotted DNAs. Biophysical Journal, 1995, 68, 619-633.	0.2	62
54	Theory of Relaxation of Quadrupolar Nuclei in Deformable Molecules in Isotropic Solutions. Application to DNA. Journal of Magnetic Resonance Series A, 1994, 106, 1-22.	1.6	6

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55	A Test of the Model-Free Formulas. Effects of Anisotropic Rotational Diffusion and Dimerization. Journal of Magnetic Resonance Series B, 1994, 105, 211-224.	1.6	196
56	The amplitude of local angular motion of purines in DNA in solution. Biopolymers, 1994, 34, 463-480.	1.2	42
57	Circularization of small DNAs in the presence of ethidium: A theoretical analysis. Biopolymers, 1994, 34, 849-868.	1.2	26
58	A model for the binding of E. coli single-strand binding protein to supercoiled DNA. Biophysical Chemistry, 1994, 52, 227-249.	1.5	10
59	Effect of ethidium binding and superhelix density on the apparent supercoiling free energy and torsion constant of pBR322 DNA. Biophysical Chemistry, 1994, 52, 219-226.	1.5	29
60	Effect of ethidium binding and superhelix density on the supercoiling free energy and torsion and bending constants of p301 DNA. Biophysical Chemistry, 1994, 52, 191-218.	1.5	30
61	Fluorescence and Photobleaching Studies of Methylene Blue Binding to DNA. The Journal of Physical Chemistry, 1994, 98, 6633-6643.	2.9	70
62	Effects of different cations on the hydrodynamic radius of DNA. Biophysical Journal, 1994, 67, 304-308.	0.2	42
63	<title>Fluorescence and photobleaching studies of methylene blue binding to DNA</title>. , 1994, , .		0
64	Dynamics and structures of DNA: Long-range effects of a 16 base-pair (CG) <sub>8</sub> sequence on secondary structure. Biopolymers, 1993, 33, 1725-1745.	1.2	45
65	Intramolecular interference effects in dynamic light scattering from rigid rings. Biopolymers, 1993, 33, 1757-1764.	1.2	5
66	Rotational dynamics of short DNAs. , 1993, , .		5
67	Counterion condensation: effects of site binding, fluctuations in nearest-neighbor interactions, and bending. Macromolecules, 1992, 25, 4149-4159.	2.2	22
68	Possible origins of the friction of partially ionized poly(acrylic acid) gels. Macromolecules, 1991, 24, 4212-4213.	2.2	1
69	Dynamic vs static bending rigidities for DNA and M13 virus. , 1991, , .		0
70	Effect of ethidium on the torsion constants of linear and supercoiled DNAs. Biophysical Chemistry, 1991, 41, 217-236.	1.5	45
71	Dynamic light scattering from weakly bending rods: Estimation of the dynamic bending rigidity of the M13 virus. Biopolymers, 1991, 31, 547-567.	1.2	42
72	Three-time autocorrelation function of the power associated with a Gaussian random process. Chemical Physics, 1991, 155, 63-69.	0.9	2

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73	Dynamics of DNA/intercalator complexes. , 1990, , .		0
74	Dependence of the torsional rigidity of DNA on base composition. Nature, 1990, 344, 175-178.	13.7	123
75	Theory for the extension of a linear polyelectrolyte attached at one end in an electric field. Biopolymers, 1990, 29, 1161-1165.	1.2	60
76	Intramolecular interference effects in dynamic light scattering: Rigid double spirals and superhelical DNAs. Biopolymers, 1990, 29, 1211-1232.	1.2	5
77	Normal mode theory for the Brownian dynamics of a weakly bending rod: Comparison with Brownian dynamics simulations. Biopolymers, 1990, 29, 1773-1791.	1.2	37
78	Dynamic bending rigidity of DNA. Biopolymers, 1990, 30, 229-237.	1.2	55
79	In Reply: The Overhead Question. Science, 1990, 249, 12-12.	6.0	0
80	Evidence for allosteric transitions in secondary structure induced by superhelical stress. Journal of Molecular Biology, 1990, 214, 307-326.	2.0	47
81	The Overhead Question. Science, 1990, 249, 12-12.	6.0	0
82	Effects of chloroquine on the torsional dynamics and rigidities of linear and supercoiled DNAs at low ionic strength. Biopolymers, 1989, 28, 1695-1703.	1.2	26
83	The amplitude of local angular motions of intercalated dyes and bases in DNA. Biopolymers, 1988, 27, 1543-1569.	1.2	42
84	Melting of a self-complementary DNA minicircle. Journal of Molecular Biology, 1988, 200, 377-399.	2.0	65
85	Interaction of chloroquine with linear and supercoiled DNAs. Effect on the torsional dynamics, rigidity, and twist energy parameter. Biochemistry, 1988, 27, 8128-8144.	1.2	63
86	An analysis of steady-state fluorescence polarization anisotropy measurements on dyes intercalated in DNA. The Journal of Physical Chemistry, 1987, 91, 1947-1951.	2.9	7
87	Time-Resolved fluorescence polarization anisotropy of short restriction fragments: The friction factor for rotation of DNA about its symmetry axis. Biopolymers, 1987, 26, 1463-1488.	1.2	51
88	Dynamic light scattering and mutual diffusion in non-ideal systems. One- and multi-component spherical solutes. Chemical Physics, 1987, 111, 55-86.	0.9	21
89	Dynamic Light Scattering Studies of Biopolymers: Effects of Charge, Shape, and Flexibility. Annual Review of Physical Chemistry, 1986, 37, 271-305.	4.8	115
90	Torsional dynamics and rigidity of fractionated poly(dGdC). Biopolymers, 1985, 24, 1009-1022.	1.2	25

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91	Deformational dynamics and nmr relaxation of supercoiled DNAs. <i>Biopolymers</i> , 1985, 24, 1023-1056.	1.2	27
92	Effect of anisotropic bending rigidity and finite twisting rigidity on statistical properties of DNA model filaments. <i>Biopolymers</i> , 1985, 24, 1233-1246.	1.2	20
93	Rotational dynamics of DNA from $10^{-10}$ to $10^{-5}$ seconds: Comparison of theory with optical experiments. <i>Biopolymers</i> , 1985, 24, 1909-1930.	1.2	48
94	DNA Motions in the nucleosome core particle: A reanalysis. <i>Biopolymers</i> , 1985, 24, 1931-1940.	1.2	16
95	Evidence for soliton-phonon interaction in trans-polyacetylene: temperature and frequency dependence of electron spin-lattice relaxation data. <i>The Journal of Physical Chemistry</i> , 1985, 89, 4994-5002.	2.9	14
96	The Temperature Dependence of Electron Spin-Lattice Relaxation Data in Trans-Polyacetylene and the Evidence for a Soliton-Phonon Interaction. <i>Molecular Crystals and Liquid Crystals</i> , 1985, 117, 421-429.	0.9	6
97	Change of conformation and internal dynamics of supercoiled DNA upon binding of Escherichia coli single-strand binding protein. <i>Biochemistry</i> , 1985, 24, 4022-4028.	1.2	46
98	Rotational diffusion of deformable macromolecules with mean local cylindrical symmetry. <i>Chemical Physics</i> , 1984, 84, 71-96.	0.9	88
99	Reply to comment on electrolyte friction. <i>Chemical Physics Letters</i> , 1984, 110, 668-670.	1.2	13
100	Comment on breathing and bending in DNA. <i>Biopolymers</i> , 1984, 23, 191-194.	1.2	9
101	The titratable joint phenomenon in $\phi$ X-174 DNA. <i>Biopolymers</i> , 1984, 23, 767-774.	1.2	4
102	Effect of magnesium(2+) on the solution conformation of two different transfer ribonucleic acids. <i>Biochemistry</i> , 1984, 23, 5414-5420.	1.2	8
103	Rotational dynamics of transfer ribonucleic acid: effect of ionic strength and concentration. <i>Biochemistry</i> , 1984, 23, 5407-5413.	1.2	18
104	Structures and dynamics of a supercoiled DNA. <i>Biochemistry</i> , 1984, 23, 1188-1194.	1.2	53
105	Dynamic light scattering from thin rigid rods: Anisotropy of translational diffusion of tobacco mosaic virus. <i>Biopolymers</i> , 1983, 22, 849-867.	1.2	59
106	Boundaries of the universal $k^3$ region and plateau region of the dynamic structure factor for DNA. <i>Biopolymers</i> , 1983, 22, 2207-2217.	1.2	15
107	Temperature dependence of the dynamic light scattering of linear $\phi$ 29 DNA: Implications for spontaneous opening of the double-helix. <i>Biopolymers</i> , 1983, 22, 2273-2321.	1.2	72
108	Electrophoretic light scattering studies of poly(L-lysine) in the ordinary and extraordinary phase. Effects of salt, molecular weight, and polyanion concentration. <i>Journal of Chemical Physics</i> , 1983, 78, 3354-3364.	1.2	52

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109	Fluorescence depolarization and temperature dependence of the torsion elastic constant of linear $\lambda$ -phage DNA. <i>Biochemistry</i> , 1983, 22, 6194-6198.	1.2	47
110	Nmr relaxation in DNA. I. The contribution of torsional deformation modes of the elastic filament. <i>Biopolymers</i> , 1982, 21, 729-762.	1.2	52
111	The thermodynamic driving force in mutual diffusion of hard spheres. <i>Chemical Physics</i> , 1982, 65, 217-223.	0.9	14
112	Theory of the decay of the fluorescence polarization anisotropy of macromolecules with local cylindrical symmetry. <i>Chemical Physics</i> , 1982, 65, 417-424.	0.9	19
113	The fluctuating-force formulation of friction drag coefficients. <i>Chemical Physics</i> , 1982, 71, 101-104.	0.9	4
114	Dynamic light-scattering studies of internal motions in DNA. III. Evidence for titratable joints associated with bound polycations. <i>Biopolymers</i> , 1981, 20, 209-230.	1.2	31
115	Polyelectrolyte contribution to the persistence length of DNA. <i>Biopolymers</i> , 1981, 20, 251-268.	1.2	38
116	Structure of viral $\lambda$ DNA condensed by simple triamines: A light-scattering and electron-microscopy study. <i>Biopolymers</i> , 1981, 20, 469-488.	1.2	112
117	A theory of aggregation in the thermal denaturation region of multistrand biopolymers. <i>Biopolymers</i> , 1981, 20, 525-549.	1.2	28
118	Time-dependent diffusion coefficients. <i>Journal of Chemical Physics</i> , 1981, 74, 1428-1430.	1.2	12
119	Dielectric relaxation and depolarized dynamic light scattering of a generalized Debye model fluid. <i>Molecular Physics</i> , 1980, 40, 1025-1051.	0.8	11
120	Dynamic light-scattering studies of DNA. II. Effect of ionic strength on the structure and internal dynamics of viral $\lambda$ DNA. <i>Biopolymers</i> , 1980, 19, 215-218.	1.2	14
121	Dynamic light scattering studies of internal motions in DNA. II. Clean viral DNAs. <i>Biopolymers</i> , 1980, 19, 1451-1474.	1.2	53
122	A theory of electrolyte friction on translating polyelectrolytes. <i>Chemical Physics</i> , 1980, 45, 119-132.	0.9	93
123	Torsion dynamics and depolarization of fluorescence of linear macromolecules. <i>Biophysical Chemistry</i> , 1980, 12, 177-188.	1.5	139
124	Conductometric manifestation of the transition from the ordinary to the extraordinary phase in dilute poly(L-lysine). <i>Biopolymers</i> , 1979, 18, 1831-1833.	1.2	19
125	Viscosometric investigation of the ordinary-extraordinary phase transition in dilute polylysine solutions. <i>Biopolymers</i> , 1979, 18, 2127-2133.	1.2	26
126	Torsion Dynamics and Depolarization of Fluorescence of Linear Macromolecules I. Theory and Application to DNA. <i>Chemical Physics</i> , 1979, 41, 35-59.	0.9	152



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127	The effects of direct and hydrodynamic forces on macromolecular diffusion. <i>Chemical Physics</i> , 1979, 38, 29-41.	0.9	29
128	The one-dimensional diffusion coefficient of proteins absorbed on DNA. <i>Biophysical Chemistry</i> , 1979, 9, 413-414.	1.5	112
129	Observation of changes induced by picosecond light pulses in suspensions of dipalmitoyl phosphatidyl choline vesicles. <i>Applied Optics</i> , 1979, 18, 1876.	2.1	2
130	Photon-correlation spectroscopy in the near ultraviolet. <i>Optics Letters</i> , 1979, 4, 222.	1.7	30
131	Theory of dynamic light scattering by polymers and gels. <i>Chemical Physics</i> , 1978, 30, 243-247.	0.9	19
132	Dynamic light-scattering studies of internal motions in DNA. I. Applicability of the rouse-zimm model. <i>Biopolymers</i> , 1978, 17, 425-461.	1.2	78
133	Brownian motion of highly charged poly(L-lysine). Effects of salt and polyion concentration. <i>Biopolymers</i> , 1978, 17, 1041-1064.	1.2	235
134	Dynamics of O <sub>2</sub> and CO <sub>2</sub> exchange, photosynthesis, and respiration in rivers from time-delayed correlations with ideal sunlight. <i>Limnology and Oceanography</i> , 1977, 22, 208-225.	1.6	23
135	Dynamic Light Scattering Of Biopolymers And Biocolloid. <i>CRC Critical Reviews in Biochemistry</i> , 1977, 4, 371-431.	2.0	117
136	Relaxation times manifested by the Rouse-Zimm model in dynamic light-scattering experiments. <i>Biopolymers</i> , 1977, 16, 461-464.	1.2	16
137	Dynamic light-scattering studies of DNA. I. The coupling of internal modes with anisotropic translational diffusion in congested solutions. <i>Biopolymers</i> , 1977, 16, 583-599.	1.2	45
138	Orientation constraints and rotational diffusion in bimolecular solution kinetics. A simplification. <i>The Journal of Physical Chemistry</i> , 1976, 80, 1934-1936.	2.9	82
139	Relaxation of rotational and internal modes of macromolecules determined by dynamic scattering. <i>Quarterly Reviews of Biophysics</i> , 1976, 9, 109-129.	2.4	33
140	Light absorption at high intensities. Comparison of quantum theory and semi-classical results. <i>International Journal of Quantum Chemistry</i> , 1976, 10, 359-377.	1.0	21
141	Effect of long-range hydrodynamic and direct intermacromolecular forces on translational diffusion. <i>Chemical Physics Letters</i> , 1976, 38, 71-74.	1.2	14
142	Interaction of light pulses with matter.. <i>Chemical Physics</i> , 1976, 15, 1-13.	0.9	10
143	Interaction of light pulses with matter. <i>Chemical Physics</i> , 1976, 15, 15-24.	0.9	3
144	Kinetics of oxygen exchange, photosynthesis, and respiration in rivers determined from time-delayed correlations between sunlight and dissolved oxygen. <i>Swiss Journal of Hydrology</i> , 1975, 37, 144-174.	0.9	6

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145	The association reaction of collagen model polypeptides (Pro-Pro-Gly) <sub>n</sub> . <i>Biopolymers</i> , 1975, 14, 1951-1985.	1.2	30
146	Response of an absorber to resonant radiation. <i>Chemical Physics</i> , 1975, 8, 399-404.	0.9	3
147	Laser light scattering studies of poly(L-lysine HBr) in aqueous solutions. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1975, 13, 873-888.	1.0	23
148	The damping of one-dimensional triplet-state excitons by acoustic phonons. <i>Molecular Physics</i> , 1974, 27, 357-366.	0.8	8
149	A theory of complex multiple equilibria. The effect of polyU concentration on the binding of deoxyadenosine. <i>Biopolymers</i> , 1974, 13, 381-389.	1.2	4
150	Dynamic light scattering studies of poly-L-lysine HBr in the presence of added salt. <i>Biopolymers</i> , 1974, 13, 903-908.	1.2	27
151	Molecular weight and shape of the phycocyanin hexamer. <i>Biopolymers</i> , 1974, 13, 2293-2304.	1.2	13
152	Intensity autocorrelation function for a flexible polymer. <i>Chemical Physics Letters</i> , 1973, 23, 603-607.	1.2	22
153	Rotational relaxation of macromolecules determined by dynamic light scattering. I. Tobacco mosaic virus. <i>Biopolymers</i> , 1973, 12, 1021-1045.	1.2	73
154	Rotational relaxation of macromolecules determined by dynamic light scattering. II. Temperature dependence for DNA. <i>Biopolymers</i> , 1973, 12, 1543-1564.	1.2	80
155	Absorption and emission of light by systems with closely spaced energy levels. <i>Molecular Physics</i> , 1973, 25, 561-576.	0.8	4
156	Role of orientation constraints and rotational diffusion in bimolecular solution kinetics. <i>The Journal of Physical Chemistry</i> , 1972, 76, 534-545.	2.9	133
157	Time-dependent quantum theory I. An absorber in an intense radiation field. <i>International Journal of Quantum Chemistry</i> , 1971, 5, 13-34.	1.0	11
158	Time-dependent quantum theory II. Absorption of light by dimers: Quantum theory and classical analogy. <i>International Journal of Quantum Chemistry</i> , 1971, 5, 35-65.	1.0	14
159	Time-Dependent quantum theory. IV. Effect of lattice relaxation on the optical spectra. <i>International Journal of Quantum Chemistry</i> , 1971, 5, 221-234.	1.0	5
160	Time-dependent quantum theory III. Model for vibrational relaxation in crystals. <i>International Journal of Quantum Chemistry</i> , 1971, 5, 239-263.	1.0	14
161	Simultaneous binding of adenosine and guanosine by polyuridylic acid: A further analysis. <i>Biopolymers</i> , 1971, 10, 1075-1080.	1.2	6
162	Dielectric dispersion of linear polyelectrolytes. <i>Biopolymers</i> , 1971, 10, 1371-1375.	1.2	28

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163	Cooperative binding of adenosine by polyuridylic acid: A further analysis. <i>Biopolymers</i> , 1970, 9, 697-715.	1.2	29
164	The Role of Diffusion in Bimolecular Solution Kinetics. <i>Biophysical Journal</i> , 1970, 10, 700-716.	0.2	75
165	The Role of Diffusion in Enzyme Kinetics. <i>Biophysical Journal</i> , 1970, 10, 717-727.	0.2	45
166	Theory of quasi-elastic light scattering from chemically reactive ionic solutions. <i>The Journal of Physical Chemistry</i> , 1969, 73, 2820-2828.	2.9	31
167	Enzyme Action: Comparison on Soluble and Insoluble Substrate. <i>Science</i> , 1966, 152, 1064-1066.	6.0	9
168	LETTERS TO THE EDITOR. <i>Journal of General Physiology</i> , 1964, 47, 1039-1042.	0.9	1
169	On the Theory of the Dielectric Dispersion of Spherical Colloidal Particles in Electrolyte Solution <sup>1</sup> . <i>The Journal of Physical Chemistry</i> , 1964, 68, 2407-2413.	2.9	166
170	MODEL FOR THE ACCUMULATION OF STRONTIUM AND CALCIUM BY RECENTLY MOLTED CRAYFISH ( <i>CAMBARUS LONGULUS LONGEROSTRIS</i> ORT.). <i>Limnology and Oceanography</i> , 1962, 7, 474-477.	1.6	12