Bruce S Hudson

List of Publications by Year
in descending order

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157 papers	6,370 citations	81434 41 h-index	84171 75 g-index
160 all docs	160 docs citations	160 times ranked	4568 citing authors

#	Article	IF	Citations
1	Preparation of Ordered Polyacetylene by Solid-State Polymerization in Nanoscale Confinement. Chemistry of Materials, 2020, 32, 1769-1783.	3.2	8
2	Polyacetylene: Myth and Reality. Materials, 2018, 11, 242.	1.3	27
3	Singleâ€Crystal Xâ€ray Diffraction Structure of the Stable Enol Tautomer Polymorph of Barbituric Acid at 224 and 95â€…K. Angewandte Chemie - International Edition, 2016, 55, 1309-1312.	7.2	15
4	Singleâ€Crystal Xâ€ray Diffraction Structure of the Stable Enol Tautomer Polymorph of Barbituric Acid at 224 and 95â€…K. Angewandte Chemie, 2016, 128, 1331-1334.	1.6	4
5	Insulated Polyacetylene Chains in an Inclusion Complex by Photopolymerization. Materials Research Society Symposia Proceedings, 2015, 1799, 7-12.	0.1	4
6	Degenerate thermal isomerizations of bicyclo[3.1.1]heptâ€2â€ene: strategy and analysis. Journal of Physical Organic Chemistry, 2014, 27, 213-217.	0.9	0
7	Metal-organodiphosphonate chemistry: Hydrothermal syntheses and structures of Zn(II) and Cd(II) coordination polymers with xylyldiphosphonate ligands. Inorganica Chimica Acta, 2014, 411, 172-187.	1.2	4
8	Commensurate Urea Inclusion Crystals with the Guest (E,E)-1,4-Diiodo-1,3-Butadiene. Crystal Growth and Design, 2013, 13, 3852-3855.	1.4	9
9	Bond alternation in infinite periodic polyacetylene: Dynamical treatment of the anharmonic potential. Journal of Molecular Structure, 2013, 1032, 78-82.	1.8	9
10	Zero-Point Corrections for Isotropic Coupling Constants for Cyclohexadienyl Radical, C6H7 and C6H6Mu: Beyond the Bond Length Change Approximation. Molecules, 2013, 18, 4906-4916.	1.7	8
11	The structure of [18]-annulene: Computed Raman spectra, zero-point level and proton NMR chemical shifts. Journal of Molecular Structure, 2012, 1023, 212-215.	1.8	6
12	Raman spectra and simulation of cisâ€ and transâ€cyclooctene for conformational analysis compared to inelastic neutron scattering. Journal of Raman Spectroscopy, 2010, 41, 1211-1215.	1.2	1
13	Effects of the Nature and Concentration of Salt on the Interaction of the HIV-1 Nucleocapsid Protein with SL3 RNA. Biochemistry, 2010, 49, 3525-3533.	1.2	24
14	Computation of Deuterium Isotope Perturbation of ¹³C NMR Chemical Shifts of Alkanes: A Local Mode Zero-Point Level Approach. Journal of Physical Chemistry A, 2010, 114, 12283-12290.	1.1	8
15	The Vibrational Spectrum of Parabanic Acid by Inelastic Neutron Scattering Spectroscopy and Simulation by Solid-State DFT. Journal of Physical Chemistry A, 2010, 114, 3630-3641.	1.1	6
16	The low-temperature X-ray structure, Raman and inelastic neutron scattering vibrational spectroscopic investigation of the non-centrosymmetric amino acid salt glycine lithium sulfate. Journal of Molecular Structure, 2009, 934, 138-144.	1.8	6
17	The inelastic neutron scattering spectrum of nicotinic acid and its assignment by solid-state density functional theory. Chemical Physics Letters, 2009, 473, 81-87.	1.2	14
18	Inelastic neutron scattering and Raman spectroscopic investigation of l-alanine alaninium nitrate, a homologue of a ferroelectric material. Physical Chemistry Chemical Physics, 2009, 11, 9474.	1.3	11

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19	Vibrational Spectroscopy via Inelastic Neutron Scattering. , 2009, , 597-622.		5
20	Inelastic neutron scattering, Raman, vibrational analysis with anharmonic corrections, and scaled quantum mechanical force field for polycrystalline l-alanine. Chemical Physics, 2008, 343, 1-18.	0.9	22
21	Importance of Vibrational Zero-Point Energy Contribution to the Relative Polymorph Energies of Hydrogen-Bonded Species. Crystal Growth and Design, 2008, 8, 3905-3907.	1.4	48
22	Vicinal Deuterium Perturbations on Hydrogen NMR Chemical Shifts in Cyclohexanes. Journal of the American Chemical Society, 2008, 130, 13659-13663.	6.6	12
23	Determination of molecular conformation in the solid state without diffraction data. Journal of Neutron Research, 2007, 15, 69-74.	0.4	1
24	Hydrothermal and Structural Chemistry of the Zinc(II)- and Cadmium(II)-1,2,4-Triazolate Systems. Inorganic Chemistry, 2007, 46, 4887-4904.	1.9	159
25	A Nucleic Acid Switch Triggered by the HIV-1 Nucleocapsid Protein. Biochemistry, 2007, 46, 9164-9173.	1.2	1
26	Inelastic neutron scattering and periodic DFT studies of crystalline aromatic materials: Biphenylene â€“ A Millsâ€“Nixon molecule. Chemical Physics Letters, 2007, 434, 241-244.	1.2	13
27	Inelastic neutron scattering and periodic DFT studies of crystalline aromatic materials: Azulene. A test of ab initio methods. Chemical Physics Letters, 2007, 437, 38-44.	1.2	6
28	Rapid Exchange Luminescence:Â Nitroxide Quenching and Implications for Sensor Applications. Journal of the American Chemical Society, 2006, 128, 18-19.	6.6	18
29	Spectroscopic and Ab Initio Characterization of the [ReH9]2-Ion. Inorganic Chemistry, 2006, 45, 10951-10957.	1.9	25
30	Solid-State Coordination Chemistry of the Cu/Triazolate/X System (X = F-, Cl-, Br-, I-, OH-, and SO42-). Inorganic Chemistry, 2006, 45, 9346-9366.	1.9	181
31	Conformational Distinguishability of Medium Cycloalkanes in Crystals via Inelastic Neutron Scattering. Journal of Physical Chemistry A, 2006, 110, 2639-2646.	1.1	13
32	Inelastic Neutron Scattering Spectrum of Cs2[B12H12]:Â Reproduction of Its Solid-State Vibrational Spectrum by Periodic DFT. Journal of Physical Chemistry A, 2006, 110, 3744-3749.	1.1	19
33	Vibrational spectroscopy using inelastic neutron scattering: Overview and outlook. Vibrational Spectroscopy, 2006, 42, 25-32.	1.2	42
34	Vibrational dynamics in short, strong symmetric hydrogen bonds: General considerations and two examples. Physica B: Condensed Matter, 2006, 385-386, 212-215.	1.3	14
35	Vibrational analysis of the inelastic neutron ascattering spectra of electron donorâ€“acceptor complexes. II. Tetracyanoethyleneâ€“perylene by electronic structure calculations. Computational and Theoretical Chemistry, 2006, 767, 23-28.	1.5	5
36	Vibrational analysis of the inelastic neutron scattering spectrum of tetracyanoethyleneâ€“hexamethylbenzene by electronic structure calculations. Computational and Theoretical Chemistry, 2005, 755, 195-202.	1.5	8

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37	Inelastic Neutron Scattering Spectra of Free Base and Zinc Porphines:â€‰ A Comparison with DFT-Based Vibrational Analysis. Journal of Physical Chemistry A, 2005, 109, 5724-5733.	1.1	20
38	Infrared, Raman, and Inelastic Neutron Scattering Spectra of Dodecahedrane:Â anIhMolecule inThSite Symmetry. Journal of Physical Chemistry A, 2005, 109, 3418-3424.	1.1	24
39	Inelastic neutron scattering spectra of NaBH4 and KBH4: reproduction of anion mode shifts via periodic DFT. Chemical Physics Letters, 2004, 385, 166-172.	1.2	39
40	Inelastic neutron scattering spectra of pagodane: experiment and DFT calculations. Chemical Physics Letters, 2004, 386, 356-363.	1.2	7
41	The Crystalline Enol of 1,3-Cyclohexanedione and Its Complex with Benzene:â€‰ Vibrational Spectra, Simulation of Structure and Dynamics and Evidence for Cooperative Hydrogen Bonding. Journal of Physical Chemistry A, 2004, 108, 7356-7363.	1.1	14
42	The Inelastic Neutron Scattering Spectrum of H3B:NH3 and the Reproduction of Its Solid-State Features by Periodic DFT. Journal of the American Chemical Society, 2004, 126, 7756-7757.	6.6	40
43	An Examination of Metalâˆ’Ligand Binding Modes in Rubidium Diphenylmethanide. Journal of the American Chemical Society, 2003, 125, 15002-15003.	6.6	28
44	Inelastic neutron scattering spectra of the transverse acoustic modes of the normal alkanes. Physical Chemistry Chemical Physics, 2002, 4, 716-721.	1.3	20
45	Affinities of the Nucleocapsid Protein for Variants of SL3 RNA in HIV-1â€. Biochemistry, 2002, 41, 15423-15428.	1.2	45
46	Affinities of Packaging Domain Loops in HIV-1 RNA for the Nucleocapsid Proteinâ€. Biochemistry, 2002, 41, 5276-5282.	1.2	82
47	Inelastic Neutron Scattering:Â A Tool in Molecular Vibrational Spectroscopy and a Test of ab Initio Methods. Journal of Physical Chemistry A, 2001, 105, 3949-3960.	1.1	70
48	Conformation and Orientation of the Retinyl Chromophore in Rhodopsin:Â A Critical Evaluation of Recent NMR Data on the Basis of Theoretical Calculations Results in a Minimum Energy Structure Consistent with All Experimental Data. Biochemistry, 2001, 40, 4201-4204.	1.2	30
49	Oriented n-Alkanes in urea-d₄ Inclusion Complexes for Inelastic Neutron Scattering Vibrational Studies. Molecular Crystals and Liquid Crystals, 2001, 356, 423-432.	0.3	3
50	The Vibrational Inelastic Neutron Scattering Spectrum of Dodecahedrane: Experiment and DFT Simulation. Angewandte Chemie - International Edition, 2000, 39, 514-516.	7.2	21
51	The inelastic incoherent neutron spectrum of crystalline oxamide: experiment and simulation of a solid. Chemical Physics, 2000, 261, 249-260.	0.9	9
52	Experimental test of the validity of the use of the n-alkanes as model compounds for polyethylene. Chemical Communications, 2000, , 165-166.	2.2	2
53	The Effect of Correlation of Inhomogeneous Environmental Shifts on Raman Depolarization Ratio Dispersion. Journal of Physical Chemistry A, 2000, 104, 681-684.	1.1	3
54	C6F6 and sym-C6F3H3:â€‰ Ab Initio and DFT Studies of Structure, Vibrations, and Inelastic Neutron Scattering Spectra. Journal of Physical Chemistry A, 2000, 104, 982-989.	1.1	25

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55	Transition Dipole Orientation of Linear Polyenes:â€‰ Semiempirical Models and Extrapolation to the Infinite Chain Limit. Journal of Physical Chemistry A, 1999, 103, 2251-2255.	1.1	19
56	Angular Orientation of the Retinyl Chromophore of Bacteriorhodopsin:â€‰ Reconciliation of 2H NMR and Optical Measurements. Journal of Physical Chemistry A, 1999, 103, 2274-2281.	1.1	16
57	A Reversible â€œDark Stateâ€•Mechanism for Complexity of the Fluorescence of Tryptophan in Proteins. Journal of Physical Chemistry A, 1999, 103, 2227-2234.	1.1	27
58	An Ionization/Recombination Mechanism for Complexity of the Fluorescence of Tryptophan in Proteins. Accounts of Chemical Research, 1999, 32, 297-300.	7.6	21
59	Resonance Raman spectroscopy as a test ofab initio methods for the computation of molecular potential energy surfaces. Journal of Raman Spectroscopy, 1998, 29, 489-500.	1.2	20
60	Full Longitudinal Acoustic Mode (LAM) Spectrum of an N-Alkane:â€‰ Comparison of Observed and Computed Incoherent Inelastic Neutron Scattering Spectrum of N-Octadecane. Journal of Physical Chemistry B, 1998, 102, 5955-5956.	1.2	19
61	Resonance Raman spectroscopy as a test of ab initio methods for the computation of molecular potential energy surfaces. , 1998, 29, 489.		1
62	Ab Initio and Resonance Raman Studies of Hexafluoro-1,3-butadiene. Journal of Physical Chemistry A, 1997, 101, 1455-1459.	1.1	20
63	Resonance Raman Studies of Benzene Derivatives with Methoxy Substitution: Conformational Symmetry-Breaking Effects. Journal of Raman Spectroscopy, 1997, 28, 455-458.	1.2	3
64	Resonance Raman studies of benzene derivatives with strong conjugation: nitrile substitution. Chemical Physics Letters, 1996, 258, 80-86.	1.2	11
65	Histidine-tryptophan interactions in T4 lysozyme: â€˜Anomalousâ€™ pH dependence of fluorescence. Biophysical Chemistry, 1996, 63, 17-25.	1.5	21
66	Ab InitioAnalysis of the Effects of Aqueous Solvation on the Resonance Raman Intensities ofN-Methylacetamide. The Journal of Physical Chemistry, 1996, 100, 2731-2737.	2.9	73
67	Resonance Raman studies of benzene derivatives with strong conjugation. , 1995, , .		0
68	<title>Vibronic spectroscopy of simple peptides: resonance Raman studies of solvation effects</title>. , 1995, , .		0
69	A new interpretation of the electronic spectrum of ethylene from 6â€“8 eV. Chemical Physics Letters, 1995, 245, 448-454.	1.2	29
70	<title>Resonance Raman studies of hydrogen-bonded solutions: quantitative comparisons of experiment with ab initio calculations</title>. , 1995, , .		0
71	Resonance Raman spectroscopy of theS1andS2states of pyrazine: Experiment and first principles calculation of spectra. Journal of Chemical Physics, 1995, 103, 6851-6860.	1.2	81
72	Theory of resonance Raman scattering in benzene derivatives. Journal of Chemical Physics, 1995, 103, 1361-1374.	1.2	10

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73	Quenching interactions and nonexponential decay: tryptophan 138 of bacteriophage T4 lysozyme. Journal of Fluorescence, 1994, 4, 203-207.	1.3	24
74	Resonance Raman activity in odd quanta of the trans bending vibration of acetylene: Strong vibronic coupling in the XÌƒ to Ãƒ and XÌƒ to BÌƒ transitions. Chemical Physics Letters, 1993, 205, 39-45.	1.2	4
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76	Resonance Raman studies of imidazole, imidazolium, and their derivatives: the effect of deuterium substitution. The Journal of Physical Chemistry, 1993, 97, 10319-10325.	2.9	85
77	Emission spectroscopy of H2O dissociating in theBÌƒâ€‰1A1state: Rapid bending motion manifested through excitation of high bending states of H2O (XÌƒ). Journal of Chemical Physics, 1993, 99, 1050-1056.	1.2	24
78	Quantitative resonance Raman spectroscopy of N-acetylpyrrolidine in aqueous solution. The Journal of Physical Chemistry, 1993, 97, 8158-8164.	2.9	11
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80	Urea and Thiourea Inclusion Complexes of Conjugated Polyenes: Polarized Fluorescence Excitation and Resonance Raman Studies. Molecular Crystals and Liquid Crystals, 1992, 211, 147-156.	0.3	9
81	Resonance Raman spectroscopy of the B1u region of benzene: Analysis in terms of pseudoâ€Jahnâ€“Teller distortion. Journal of Chemical Physics, 1992, 96, 2617-2628.	1.2	27
82	<title>Mutagenic effects on the fluorescence of tryptophan residues in bacteriophage T4 lysozyme: correlation with dynamics</title>. , 1992, , .		1
83	Ultraviolet resonance Raman spectroscopy: studies of depolarization dispersion and strong vibronic coupling. , 1992, , .		1
84	Analysis of the decay of the fluorescence anisotropy of 2,4,6,8-decatetraene in a viscous hydrocarbon solution: the off-axis orientation of the transition dipole moment. Chemical Physics Letters, 1992, 189, 48-53.	1.2	9
85	Ultraviolet resonance Raman study of proline isomerization. The Journal of Physical Chemistry, 1991, 95, 3511-3513.	2.9	13
86	Infrared and Raman spectra of lithium trihorate: Vibrational assignments and a correlation with its nonlinear optical activity. Spectrochimica Acta Part A: Molecular Spectroscopy, 1991, 47, 291-298.	0.1	17
87	Off-axis orientation of the electronic transition moment for a linear conjugated polyene. Nature, 1991, 352, 703-705.	13.7	48
88	Fluorescence and molecular dynamics study of the internal motion of the buried tryptophan in bacteriophage T4 lysozyme: Effects of temperature and alteration of nonbonded networks. Chemical Physics, 1991, 158, 353-382.	0.9	25
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91	Vacuum ultraviolet resonance Raman studies of the valence excited electronic states of benzene and benzeneâ€d6: The E1u state and a putative A2u state. Journal of Chemical Physics, 1991, 94, 873-882.	1.2	19
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94	Resonance Raman studies of guanidinium and substituted guanidinium ions. The Journal of Physical Chemistry, 1990, 94, 4015-4025.	2.9	48
95	T4 phage lysozyme: a protein designed for understanding tryptophan photophysics. , 1990, , .		3
96	Photophysics of tryptophan in bacteriophage T4 lysozymes. Biochemistry, 1990, 29, 5276-5285.	1.2	73
97	Chemical nature of conduction in iodine-doped trans-1,4-poly(buta-1,3-diene) and some of its derivatives: the presence of I3- and the effect of double-bond configuration. Macromolecules, 1990, 23, 1886-1889.	2.2	41
98	Determination of the torsional potential of allene from highly excited torsional vibrations observed by ultraviolet resonance Raman spectroscopy: the torsional barrier of cumulenes. Journal of the American Chemical Society, 1990, 112, 4963-4965.	6.6	15
99	Vacuum ultraviolet resonance Raman studies of the excited electronic states of ethylene. Journal of Chemical Physics, 1989, 90, 1377-1389.	1.2	120
100	PREPARATION OF AZULENE DERIVATIVES: AN AMINOACID, DICARBOXYLATES, AN ISOTHIOCYANATE, AND RELATED COMPOUNDS. Organic Preparations and Procedures International, 1989, 21, 633-641.	0.6	7
101	Environmental modulation of M13 coat protein tryptophan fluorescence dynamics. Biochemistry, 1989, 28, 6392-6400.	1.2	16
102	Far ultraviolet resonance raman spectroscopy: New capability and applications in the vacuum ultraviolet region. Journal of Luminescence, 1988, 40-41, 827-828.	1.5	1
103	Resonance Raman studies of the 1La state of 1,2,3-trisubstituted benzene derivatives: Lack of an induced transition moment. Chemical Physics Letters, 1988, 148, 581-585.	1.2	8
104	Rotational dynamics of the single tryptophan of porcine pancreatic phospholipase A2, its zymogen, and an enzyme/micelle complex. A steady-state and time-resolved anisotropy study. Biochemistry, 1988, 27, 6618-6628.	1.2	34
105	Synthesis of all-trans-parinaric acid-d8 specifically deuterated at all vinyl positions. Journal of Organic Chemistry, 1988, 53, 3148-3153.	1.7	33
106	Resonance Raman Studies of the Low-Lying Dissociative Rydberg-Valence States ofH2O,D2O, and HDO. Physical Review Letters, 1988, 61, 694-697.	2.9	58
107	Fluorescence Studies Of Bilayers And Proteins: Critical Behavior And Genetic Engineering. , 1988, , .		2
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109	Far ultraviolet resonance Raman scattering. Highly excited torsional levels of ethylene. Journal of the American Chemical Society, 1987, 109, 5036-5038.	6.6	63
110	Applications of ultraviolet resonance Raman spectroscopy to protein structure. AIP Conference Proceedings, 1987, , .	0.3	1
111	Applications of ultraviolet resonance Raman scattering in molecular electronic spectroscopy. AIP Conference Proceedings, 1987, , .	0.3	0
112	Time-resolved fluorescence anisotropy for systems with lifetime and dynamic heterogeneity. Biophysical Chemistry, 1987, 28, 59-75.	1.5	117
113	A test of the validity of nonbonded potential energy functions: the ability of an empirical energy function to reproduce the structure and low-frequency vibrations of a flexible molecule in a van der Waals crystal. The Journal of Physical Chemistry, 1986, 90, 719-721.	2.9	3
114	[15] Ultraviolet resonance Raman spectroscopy of biopolymers. Methods in Enzymology, 1986, 130, 331-350.	0.4	32
115	Resonance Raman spectroscopy of butadiene: Demonstration of a 2 1Ag state below the 1 1Bu V state. Chemical Physics Letters, 1985, 115, 24-28.	1.2	86
116	Ultraviolet resonance Raman spectroscopy of benzene vapor with 220â€“184 nm excitation. Journal of Chemical Physics, 1985, 83, 3209-3213.	1.2	45
117	Complex photophysics of the single tryptophan of porcine pancreatic phospholipase A2, its zymogen, and an enzyme/micelle complex. Biochemistry, 1985, 24, 7240-7249.	1.2	52
118	Electronic structure and spectra of finite linear polyenes. Synthetic Metals, 1984, 9, 241-253.	2.1	114
119	Melittin induces fusion of unilamellar phospholipid vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1983, 732, 668-674.	1.4	78
120	Reorientation of small molecules and anions in solution studied by resonance enhanced dynamic Rayleigh scattering. Journal of Chemical Physics, 1983, 78, 3365-3371.	1.2	12
121	Laplace transforms of correlation functions for CARS. Journal of Chemical Physics, 1982, 76, 4294-4296.	1.2	2
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123	The Vibronic Spectroscopy of Benzene: Old Problems and New Techniques. , 1982, , 41-140.		22
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125	Fluorescence lifetime and time-resolved polarization anisotropy studies of acyl chain order and dynamics in lipid bilayers. Biochemistry, 1981, 20, 2800-2810.	1.2	109
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127	[34] Parinaric acid from Parinarium glaberrimum. Methods in Enzymology, 1981, 72, 479-482.	0.4	14
128	[35] Preparation of parinaric acid derivatives. Methods in Enzymology, 1981, 72, 483-485.	0.4	5
129	Quantum theory of coherent Raman scattering by optically active isotropic materials. Journal of Chemical Physics, 1980, 72, 4132-4140.	1.2	23
130	Quantum theory of coherent hyperâ€Raman scattering from isotropic materials. Journal of Chemical Physics, 1980, 73, 1827-1835.	1.2	3
131	A theory of the effects of head-group structure and chain unsaturation on the chain melting transition of phospholipid dispersions. Biochemistry, 1980, 19, 4279-4293.	1.2	53
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134	Geometric effects in the excited states of conjugated trienes. Chemical Physics Letters, 1979, 60, 380-384.	1.2	29
135	Protein-lipid interactions. Studies of the M13 coat protein in dimyristoylphosphatidylcholine vesicles using parinaric acid. Biochemistry, 1979, 18, 5874-5880.	1.2	59
136	Polyene spectroscopy: Vibronic evidence for a forbidden transition in DECA-2,4,6,8-tetraene. Chemical Physics Letters, 1978, 57, 600-604.	1.2	51
137	Environmental effects on radiative rate constants with applications to linear polyenes. Journal of Chemical Physics, 1978, 68, 4587-4594.	1.2	95
138	The generator coordinate method for molecular wavefunctions: A moment method and a simple intrinsic function. Journal of Chemical Physics, 1978, 69, 5222-5230.	1.2	12
139	Ethidium analogues with improved resolution in the dye-buoyant density procedure. Nucleic Acids Research, 1977, 4, 1349-1360.	6.5	11
140	Conjugated polyene fatty acids as fluorescent probes: biosynthetic incorporation of parinaric acid by Escherichia coli and studies of phase transitions. Biochemistry, 1977, 16, 829-835.	1.2	61
141	A theory of phase transitions and phase diagrams for one- and two-component phospholipid bilayers. Biochemistry, 1977, 16, 4349-4359.	1.2	76
142	Conjugated polyene fatty acids as fluorescent probes: synthetic phospholipid membrane studies. Biochemistry, 1977, 16, 819-828.	1.2	327
143	Conjugated polyene fatty acids as fluorescent probes: spectroscopic characterization. Biochemistry, 1977, 16, 813-819.	1.2	265
144	Conjugated polyene fatty acids as fluorescent probes: binding to bovine serum albumin. Biochemistry, 1977, 16, 5100-5108.	1.2	395

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146	Excited electronic states of the ethidium cation. Biopolymers, 1976, 15, 1637-1640.	1.2	7
147	Conjugated polyene fatty acids as fluorescent membrane probes: Model system studies. Journal of Supramolecular Structure, 1976, 4, 449-465.	2.3	44
148	Coherent antiâ€Stokes Raman spectroscopy (CARS): Improved experimental design and observation of new higherâ€order processes. Applied Physics Letters, 1976, 28, 27-29.	1.5	106
149	The electronic structure of bondâ€alternating and nonalternant conjugated hydrocarbons: Diphenylpolyenes and azulene. Journal of Chemical Physics, 1976, 64, 4020-4026.	1.2	39
150	The ultraviolet transitions of the ethidium cation. Biopolymers, 1975, 14, 1309-1312.	1.2	26
151	Pseudorotational motion of methylcyclopentane observed by neutron inelastic scattering. Journal of Chemical Physics, 1975, 62, 4564-4565.	1.2	4
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153	Selection rules for coherent antiâ€Stokes Raman spectroscopy. Journal of Chemical Physics, 1974, 61, 5461-5463.	1.2	7
154	Comment on â€œpolarized fluorescence spectra of retinol and diphenyloctatetraeneâ€• Chemical Physics Letters, 1973, 23, 139.	1.2	13
155	Polyene spectroscopy: The lowest energy excited singlet state of diphenyloctatetraene and other linear polyenes. Journal of Chemical Physics, 1973, 59, 4984-5002.	1.2	362
156	Sedimentation Velocity Properties of Complex Mitochondrial DNA. Nature, 1969, 221, 332-337.	13.7	51
157	Catenated Circular DNA Molecules in HeLa Cell Mitochondria. Nature, 1967, 216, 647-652.	13.7	339