

Robert E London

List of Publications by Year in descending order

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210
papers

6,425
citations

53751

45
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114418

63
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213
all docs

213
docs citations

213
times ranked

6223
citing authors

#	ARTICLE	IF	CITATIONS
1	Species variations in XRCC1 recruitment strategies for FHA domain-containing proteins. DNA Repair, 2022, 110, 103263.	1.3	0
2	Phosphopeptide interactions of the Nbs1 N-terminal FHA-BRCT1/2 domains. Scientific Reports, 2021, 11, 9046.	1.6	7
3	Response to Letter to the Editor regarding "Comparison of phytochemical composition of Ginkgo biloba extracts using a combination of non-targeted and targeted analytical approaches". Analytical and Bioanalytical Chemistry, 2021, 413, 7627-7629.	1.9	0
4	Ligand binding characteristics of the Ku80 von Willebrand domain. DNA Repair, 2020, 85, 102739.	1.3	14
5	XRCC1 " Strategies for coordinating and assembling a versatile DNA damage response. DNA Repair, 2020, 93, 102917.	1.3	25
6	The Structural Basis for Nonsteroidal Anti-Inflammatory Drug Inhibition of Human Dihydrofolate Reductase. Journal of Medicinal Chemistry, 2020, 63, 8314-8324.	2.9	7
7	Comparison of phytochemical composition of Ginkgo biloba extracts using a combination of non-targeted and targeted analytical approaches. Analytical and Bioanalytical Chemistry, 2020, 412, 6789-6809.	1.9	14
8	A Human IgE Antibody Binding Site on Der p 2 for the Design of a Recombinant Allergen for Immunotherapy. Journal of Immunology, 2019, 203, 2545-2556.	0.4	19
9	Multiple roles of Bet v 1 ligands in allergen stabilization and modulation of endosomal protease activity. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 2382-2393.	2.7	51
10	HIV-1 Reverse Transcriptase: A Metamorphic Protein with Three Stable States. Structure, 2019, 27, 420-426.	1.6	23
11	Variations in nuclear localization strategies among pol X family enzymes. Traffic, 2018, 19, 723-735.	1.3	3
12	Mechanism of APTX nicked DNA sensing and pleiotropic inactivation in neurodegenerative disease. EMBO Journal, 2018, 37, .	3.5	13
13	Transitions in DNA polymerase β μ s-ms dynamics related to substrate binding and catalysis. Nucleic Acids Research, 2018, 46, 7309-7322.	6.5	3
14	APE2 Zf-GRF facilitates 3' ϵ -5' ϵ resection of DNA damage following oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 304-309.	3.3	50
15	ZATT (ZNF451)-mediated resolution of topoisomerase 2 DNA-protein cross-links. Science, 2017, 357, 1412-1416.	6.0	127
16	Identification of drivers for the metamorphic transition of HIV-1 reverse transcriptase. Biochemical Journal, 2017, 474, 3321-3338.	1.7	7
17	A Structural Basis for Biguanide Activity. Biochemistry, 2017, 56, 4786-4798.	1.2	20
18	Are dust mite allergens more abundant and/or more stable than other Dermatophagoides pteronyssinus proteins?. Journal of Allergy and Clinical Immunology, 2017, 139, 1030-1032.e1.	1.5	15

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19	Proteases of <i>Dermatophagoides pteronyssinus</i> . <i>International Journal of Molecular Sciences</i> , 2017, 18, 1204.	1.8	14
20	DNA polymerase β contains a functional nuclear localization signal at its N-terminus. <i>Nucleic Acids Research</i> , 2017, 45, 1958-1970.	6.5	13
21	Characterization of the APLF FHA-XRCC1 phosphopeptide interaction and its structural and functional implications. <i>Nucleic Acids Research</i> , 2017, 45, 12374-12387.	6.5	9
22	Structural Maturation of HIV-1 Reverse Transcriptase: A Metamorphic Solution to Genomic Instability. <i>Viruses</i> , 2016, 8, 260.	1.5	14
23	A metabolomic, geographic, and seasonal analysis of the contribution of pollen-derived adenosine to allergic sensitization. <i>Metabolomics</i> , 2016, 12, 1.	1.4	10
24	Enhanced Approaches for Identifying Amadori Products: Application to Peanut Allergens. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1406-1413.	2.4	11
25	Unfolding the HIV-1 reverse transcriptase RNase H domain: how to lose a molecular tug-of-war. <i>Nucleic Acids Research</i> , 2016, 44, 1776-1788.	6.5	10
26	Nuclear Localization of the DNA Repair Scaffold XRCC1: Uncovering the Functional Role of a Bipartite NLS. <i>Scientific Reports</i> , 2015, 5, 13405.	1.6	30
27	The structural basis of XRCC1-mediated DNA repair. <i>DNA Repair</i> , 2015, 30, 90-103.	1.3	114
28	Structure of <i>Escherichia coli</i> dGTP Triphosphohydrolase. <i>Journal of Biological Chemistry</i> , 2015, 290, 10418-10429.	1.6	14
29	Analysis of glutathione S-transferase allergen cross-reactivity in a North American population: Relevance for molecular diagnosis. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1369-1377.	1.5	52
30	Asymmetric conformational maturation of HIV-1 reverse transcriptase. <i>ELife</i> , 2015, 4, .	2.8	19
31	IP6K structure and the molecular determinants of catalytic specificity in an inositol phosphate kinase family. <i>Nature Communications</i> , 2014, 5, 4178.	5.8	55
32	Characterization of the Redox Transition of the XRCC1 N-terminal Domain. <i>Structure</i> , 2014, 22, 1754-1763.	1.6	6
33	Primary Identification, Biochemical Characterization, and Immunologic Properties of the Allergenic Pollen Cyclophilin Cat r 1. <i>Journal of Biological Chemistry</i> , 2014, 289, 21374-21385.	1.6	31
34	Selective unfolding of one Ribonuclease H domain of HIV reverse transcriptase is linked to homodimer formation. <i>Nucleic Acids Research</i> , 2014, 42, 5361-5377.	6.5	25
35	Characterization of an anti-Bla g 1 scFv: Epitope mapping and cross-reactivity. <i>Molecular Immunology</i> , 2014, 59, 200-207.	1.0	6
36	Substrate Rescue of DNA Polymerase β Containing a Catastrophic L22P Mutation. <i>Biochemistry</i> , 2014, 53, 2413-2422.	1.2	12

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37	Glycolysis and Mitochondrial Respiration in Mouse LDHC-Null Sperm1. <i>Biology of Reproduction</i> , 2013, 88, 95.	1.2	66
38	XRCC1 interaction with the REV1 C-terminal domain suggests a role in post replication repair. <i>DNA Repair</i> , 2013, 12, 1105-1113.	1.3	20
39	Preventing oxidation of cellular XRCC1 affects PARP-mediated DNA damage responses. <i>DNA Repair</i> , 2013, 12, 774-785.	1.3	40
40	Protein-Mediated Antagonism between HIV Reverse Transcriptase Ligands Nevirapine and MgATP. <i>Biophysical Journal</i> , 2013, 104, 2695-2705.	0.2	5
41	The novel structure of the cockroach allergen Bla g 1 has implications for allergenicity and exposure assessment. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 1420-1426.e9.	1.5	64
42	Genomic, RNAseq, and Molecular Modeling Evidence Suggests That the Major Allergen Domain in Insects Evolved from a Homodimeric Origin. <i>Genome Biology and Evolution</i> , 2013, 5, 2344-2358.	1.1	18
43	Metal and ligand binding to the HIV-RNase H active site are remotely monitored by Ile556. <i>Nucleic Acids Research</i> , 2012, 40, 10543-10553.	6.5	10
44	Metal-induced DNA translocation leads to DNA polymerase conformational activation. <i>Nucleic Acids Research</i> , 2012, 40, 2974-2983.	6.5	30
45	Crystal Structure of Calmodulin Binding Domain of Orai1 in Complex with Ca ²⁺ Calmodulin Displays a Unique Binding Mode. <i>Journal of Biological Chemistry</i> , 2012, 287, 43030-43041.	1.6	58
46	Solution Structure of the Dickerson DNA Dodecamer Containing a Single Ribonucleotide. <i>Biochemistry</i> , 2012, 51, 2407-2416.	1.2	56
47	Kinetics of the oxidation of reduced Cu,Zn-superoxide dismutase by peroxydicarbonate. <i>Free Radical Biology and Medicine</i> , 2012, 53, 589-594.	1.3	14
48	Structural studies of the PARP-1 BRCT domain. <i>BMC Structural Biology</i> , 2011, 11, 37.	2.3	41
49	Lactate Dehydrogenase C and Energy Metabolism in Mouse Sperm. <i>Biology of Reproduction</i> , 2011, 85, 556-564.	1.2	102
50	Mutational and biochemical analysis of the DNA-entry nuclease EndA from <i>Streptococcus pneumoniae</i> . <i>Nucleic Acids Research</i> , 2011, 39, 623-634.	6.5	24
51	Structural insights into catalytic and substrate binding mechanisms of the strategic EndA nuclease from <i>Streptococcus pneumoniae</i> . <i>Nucleic Acids Research</i> , 2011, 39, 2943-2953.	6.5	29
52	The structural basis for partitioning of the XRCC1/DNA ligase III- β BRCT-mediated dimer complexes. <i>Nucleic Acids Research</i> , 2011, 39, 7816-7827.	6.5	56
53	Conformational dependence of ¹³ C shielding and coupling constants for methionine methyl groups. <i>Journal of Biomolecular NMR</i> , 2010, 48, 31-47.	1.6	35
54	Solution structure of the Drosha double-stranded RNA-binding domain. <i>Silence: A Journal of RNA Regulation</i> , 2010, 1, 2.	8.0	26

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55	Der p 5 Crystal Structure Provides Insight into the Group 5 Dust Mite Allergens. <i>Journal of Biological Chemistry</i> , 2010, 285, 25394-25401.	1.6	52
56	Oxidation state of the XRCC1 N-terminal domain regulates DNA polymerase β binding affinity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6805-6810.	3.3	67
57	The structure of the dust mite allergen Der p 7 reveals similarities to innate immune proteins. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 909-917.e4.	1.5	99
58	Identification and Functional Characterization of a Novel Acetylcholine-Binding Protein from the Marine Annelid <i>Capitella teleta</i> . <i>Biochemistry</i> , 2010, 49, 2279-2287.	1.2	28
59	Homodimerization of the p51 Subunit of HIV-1 Reverse Transcriptase. <i>Biochemistry</i> , 2010, 49, 2821-2833.	1.2	19
60	NMR study of the effect of Zn on conformational activation of rat DNA polymerase β . <i>FASEB Journal</i> , 2010, 24, 876.6.	0.2	0
61	Hydrogen-1 and carbon-13 nuclear magnetic resonance conformational studies of the His-Pro peptide bond: conformational behavior of TRH. <i>International Journal of Peptide and Protein Research</i> , 2009, 22, 582-589.	0.1	9
62	Solution characterization of [methyl-13C]methionine HIV-1 reverse transcriptase by NMR spectroscopy. <i>Antiviral Research</i> , 2009, 84, 205-214.	1.9	19
63	Reaction Mechanism of the μ Subunit of <i>E. coli</i> DNA Polymerase III: Insights into Active Site Metal Coordination and Catalytically Significant Residues. <i>Journal of the American Chemical Society</i> , 2009, 131, 1550-1556.	6.6	64
64	Direct Magnetic Resonance Evidence for Peroxymonocarbonate Involvement in the Cu,Zn-Superoxide Dismutase Peroxidase Catalytic Cycle. <i>Journal of Biological Chemistry</i> , 2009, 284, 14618-14627.	1.6	23
65	Identification and Characterization of Ternary Complexes Using NMR Spectroscopy. , 2008, , 1347-1356.		0
66	Ternary borate-nucleoside complex stabilization by ribonuclease A demonstrates phosphate mimicry. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 207-217.	1.1	13
67	A comparison of BRCT domains involved in nonhomologous end-joining: Introducing the solution structure of the BRCT domain of polymerase lambda. <i>DNA Repair</i> , 2008, 7, 1340-1351.	1.3	33
68	Dependence of Amino Acid Side Chain ¹³ C Shifts on Dihedral Angle: Application to Conformational Analysis. <i>Journal of the American Chemical Society</i> , 2008, 130, 11097-11105.	6.6	71
69	Targeted Deletion of Thioredoxin-Interacting Protein Regulates Cardiac Dysfunction in Response to Pressure Overload. <i>Circulation Research</i> , 2007, 101, 1328-1338.	2.0	96
70	The Nuclease A-Inhibitor Complex Is Characterized by a Novel Metal Ion Bridge. <i>Journal of Biological Chemistry</i> , 2007, 282, 5682-5690.	1.6	23
71	NMR analysis of [methyl-13C]methionine UvrB from <i>Bacillus caldotenax</i> reveals UvrB domain 4 heterodimer formation in solution. <i>Journal of Molecular Biology</i> , 2007, 373, 282-295.	2.0	24
72	Solution Structure of Polymerase β 's BRCT Domain Reveals an Element Essential for Its Role in Nonhomologous End Joining. <i>Biochemistry</i> , 2007, 46, 12100-12110.	1.2	25

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73	Crystal Structure of a Type II Dihydrofolate Reductase Catalytic Ternary Complex. <i>Biochemistry</i> , 2007, 46, 14878-14888.	1.2	36
74	NMR assignment of polymerase β labeled with ^2H , ^{13}C , and ^{15}N in complex with substrate DNA. <i>Biomolecular NMR Assignments</i> , 2007, 1, 33-35.	0.4	5
75	NMR Determination of Lysine pKa Values in the Pol β Lyase Domain: Mechanistic Implications. <i>Biochemistry</i> , 2006, 45, 1785-1794.	1.2	21
76	Determination of Lysine pK Values Using $[5-^{13}\text{C}]$ Lysine: Application to the Lyase Domain of DNA Pol β . <i>Journal of the American Chemical Society</i> , 2006, 128, 8104-8105.	6.6	13
77	NMR and Crystallographic Characterization of Adventitious Borate Binding by Trypsin. <i>Bioconjugate Chemistry</i> , 2006, 17, 300-308.	1.8	25
78	Photoactivated H/D Exchange in Tyrosine: Involvement of a Radical Anion Intermediate. <i>Journal of the American Chemical Society</i> , 2006, 128, 2268-2275.	6.6	8
79	NMR characterizations of an amyloidogenic conformational ensemble of the PI3K SH3 domain. <i>Protein Science</i> , 2006, 15, 2552-2557.	3.1	14
80	Structure of the Escherichia coli DNA Polymerase III μ -HOT Proofreading Complex. <i>Journal of Biological Chemistry</i> , 2006, 281, 38466-38471.	1.6	30
81	Structure of a Complex of <i>E. coli</i> DNA Polymerase III μ Subunit with Phage P1 Homolog of λ . <i>FASEB Journal</i> , 2006, 20, .	0.2	0
82	Introduction to Metabolomics and Metabolic Profiling. , 2005, , 299-340.		0
83	Structural Insights into the Mechanism of Nuclease A, a β Metal Nuclease from Anabaena. <i>Journal of Biological Chemistry</i> , 2005, 280, 27990-27997.	1.6	43
84	Nuclear Magnetic Resonance Solution Structure of the Escherichia coli DNA Polymerase III μ Subunit. <i>Journal of Bacteriology</i> , 2005, 187, 7081-7089.	1.0	19
85	A Thymine Isostere in the Templating Position Disrupts Assembly of the Closed DNA Polymerase β Ternary Complex. <i>Biochemistry</i> , 2005, 44, 15230-15237.	1.2	29
86	Structure-function studies of DNA polymerase lambda. <i>DNA Repair</i> , 2005, 4, 1358-1367.	1.3	62
87	Estrogen receptor beta mediates gender differences in ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2005, 38, 289-297.	0.9	198
88	Calorimetric Studies of Ligand Binding in R67 Dihydrofolate Reductase. <i>Biochemistry</i> , 2005, 44, 12420-12433.	1.2	21
89	NvAssign: protein NMR spectral assignment with NMRView. <i>Bioinformatics</i> , 2004, 20, 1201-1203.	1.8	21
90	NMR Solution Structure of the Focal Adhesion Targeting Domain of Focal Adhesion Kinase in Complex with a Paxillin LD Peptide. <i>Journal of Biological Chemistry</i> , 2004, 279, 8441-8451.	1.6	69

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91	Phage Like It HOT. Structure, 2004, 12, 2221-2231.	1.6	12
92	Dynamic Characterization of a DNA Repair Enzyme: NMR Studies of [methyl-13C]Methionine-Labeled DNA Polymerase β . Biochemistry, 2004, 43, 8911-8922.	1.2	53
93	Backbone Dynamics of the RNase H Domain of HIV-1 Reverse Transcriptase. Biochemistry, 2004, 43, 9332-9342.	1.2	24
94	X-ray and NMR Characterization of Covalent Complexes of Trypsin, Borate, and Alcohols. Biochemistry, 2004, 43, 2829-2839.	1.2	48
95	Male/female differences in intracellular Na ⁺ regulation during ischemia/reperfusion in mouse heart. Journal of Molecular and Cellular Cardiology, 2004, 37, 747-753.	0.9	25
96	Metabolic transformation of AZTp4A by Ap4A hydrolase regenerates AZT triphosphate. Antiviral Research, 2003, 58, 227-233.	1.9	5
97	NMR assignment of protein side chains using residue-correlated labeling and NOE spectra. Journal of Magnetic Resonance, 2003, 165, 237-247.	1.2	2
98	NMR Studies of the Interaction of a Type II Dihydrofolate Reductase with Pyridine Nucleotides Reveal Unexpected Phosphatase and Reductase Activity. Biochemistry, 2003, 42, 11150-11160.	1.2	22
99	Solution Structure of the RNase H Domain of the HIV-1 Reverse Transcriptase in the Presence of Magnesium. Biochemistry, 2003, 42, 639-650.	1.2	53
100	Solution Structure of the Lyase Domain of Human DNA Polymerase β . Biochemistry, 2003, 42, 9564-9574.	1.2	27
101	Elucidation of the β Subunit Interface of Escherichia coli DNA Polymerase III by NMR Spectroscopy. Biochemistry, 2003, 42, 3635-3644.	1.2	30
102	Gender differences in sarcoplasmic reticulum calcium loading after isoproterenol. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2657-H2662.	1.5	60
103	Formation of a Trypsin-Borate-4-Aminobutanol Ternary Complex. Biochemistry, 2002, 41, 5963-5967.	1.2	13
104	Model for the Catalytic Domain of the Proofreading β Subunit of Escherichia coli DNA Polymerase III Based on NMR Structural Data. Biochemistry, 2002, 41, 94-110.	1.2	32
105	Gender effects of ischemia reperfusion injury: The role of estrogen receptor alpha and beta. Journal of Molecular and Cellular Cardiology, 2002, 34, A23.	0.9	0
106	The Nuclease A Inhibitor Represents a New Variation of the Rare PR-1 Fold. Journal of Molecular Biology, 2002, 320, 771-782.	2.0	20
107	Ligand discovery using the inter-ligand Overhauser effect: horse liver alcohol dehydrogenase. Biotechnology Letters, 2002, 24, 623-629.	1.1	6
108	4-Oxo-4H-quinolizine-3-carboxylic Acids as Mg ²⁺ Selective, Fluorescent Indicators. Bioconjugate Chemistry, 2001, 12, 203-212.	1.8	34

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109	Development and Evaluation of a Boronate Inhibitor of \hat{I}^3 -Glutamyl Transpeptidase. Archives of Biochemistry and Biophysics, 2001, 385, 250-258.	1.4	37
110	Reanalysis of the involvement of \hat{I}^3 -glutamyl transpeptidase in the cell activation process. FEBS Letters, 2001, 508, 226-230.	1.3	6
111	A New Approach to the Synthesis of APTRA Indicators. Bioconjugate Chemistry, 2001, 12, 76-83.	1.8	16
112	Interligand Overhauser Effects in Type II Dihydrofolate Reductase. Biochemistry, 2001, 40, 4242-4252.	1.2	44
113	Leukocyte-type 12-lipoxygenase-deficient mice show impaired ischemic preconditioning-induced cardioprotection. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H1963-H1969.	1.5	31
114	Protein NMR spin trapping with [methyl- ^{13}C]-MNP: application to the tyrosyl radical of equine myoglobin. Free Radical Biology and Medicine, 2001, 31, 383-390.	1.3	9
115	Aspirin acetylation of \hat{I}^2 Lys-82 of human hemoglobin. Biochemical Pharmacology, 2000, 60, 917-922.	2.0	13
116	LINEAGE BIOLOGY AND LIVER. , 2000, , 559-598a.		12
117	Preconditioning Enhanced Glucose Uptake Is Mediated by p38 MAP Kinase Not by Phosphatidylinositol 3-Kinase. Journal of Biological Chemistry, 2000, 275, 11981-11986.	1.6	78
118	Novel Mechanism of Surface Catalysis of Protein Adduct Formation. Journal of Biological Chemistry, 2000, 275, 31908-31913.	1.6	19
119	Acetylation of Human Hemoglobin by Methyl Acetylphosphate. Journal of Biological Chemistry, 1999, 274, 26629-26632.	1.6	11
120	The inter-ligand Overhauser effect: a powerful new NMR approach for mapping structural relationships of macromolecular ligands. Journal of Biomolecular NMR, 1999, 15, 71-76.	1.6	62
121	NMR study of the sites of human hemoglobin acetylated by aspirin. BBA - Proteins and Proteomics, 1999, 1432, 333-349.	2.1	20
122	An NMR analysis of the reaction of ubiquitin with [acetyl- ^{13}C]aspirin. Biochemical Pharmacology, 1999, 57, 1233-1244.	2.0	29
123	Theoretical Analysis of the Inter-Ligand Overhauser Effect: A New Approach for Mapping Structural Relationships of Macromolecular Ligands. Journal of Magnetic Resonance, 1999, 141, 301-311.	1.2	49
124	A preliminary CD and NMR study of the Escherichia coli DNA polymerase III $\hat{I}^?$ subunit. , 1999, 36, 111-116.		6
125	Carbon-13 Nuclear Magnetic Resonance Study of Metabolism of Propionate by <i>Escherichia coli</i> . Journal of Bacteriology, 1999, 181, 3562-3570.	1.0	32
126	^{19}F NMR Study of the Uptake of $2\hat{I}^2$ -Fluoro-5-methyl- \hat{I}^2 -l-arabinofuranosyluracil in Erythrocytes. Biochemical Pharmacology, 1998, 55, 1611-1619.	2.0	5

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127	Regulation of the Ca ²⁺ Gradient Across the Sarcoplasmic Reticulum in Perfused Rabbit Heart. <i>Circulation Research</i> , 1998, 83, 898-907.	2.0	59
128	Conformational Selectivity of HIV-1 Protease Cleavage of X-Pro Peptide Bonds and Its Implications. <i>Journal of Biological Chemistry</i> , 1997, 272, 15603-15606.	1.6	15
129	Cleavage of the X-Pro Peptide Bond by Pepsin Is Specific for the trans Isomer. <i>Biochemistry</i> , 1997, 36, 13232-13240.	1.2	18
130	Decreased intracellular pH is not due to increased H ⁺ extrusion in preconditioned rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997, 273, H2257-H2262.	1.5	23
131	Dynamic Frequency Shifts of Complexed Ligands: An NMR Study of d-[1- ¹³ C,1- ² H]Glucose Complexed to the Escherichia coli Periplasmic Glucose/Galactose Receptor. <i>Journal of Magnetic Resonance</i> , 1997, 128, 101-104.	1.2	5
132	Mg ²⁺ and Other Polyvalent Cations Catalyze Nucleotide Fluorolysis. <i>Archives of Biochemistry and Biophysics</i> , 1996, 334, 332-340.	1.4	6
133	Dynamic frequency shift. <i>Concepts in Magnetic Resonance</i> , 1996, 8, 325-338.	1.3	40
134	Synthesis and Characterization of Two Improved NMR Indicators for Cytosolic Ca ²⁺ : 3FBAPTA and 35FBAPTA. <i>Magnetic Resonance in Chemistry</i> , 1996, 34, 440-446.	1.1	2
135	¹⁹ F NMR relaxation studies on 5-fluorotryptophan- and tetradeutero-5-fluorotryptophan-labeled E. coli glucose/galactose receptor. <i>Journal of Biomolecular NMR</i> , 1996, 7, 261-72.	1.6	22
136	Measurement of Free Ca ²⁺ in Sarcoplasmic Reticulum in Perfused Rabbit Heart Loaded with 1,2-Bis(2-amino-5,6-difluorophenoxy)ethane-N,N,N',N'-tetraacetic Acid by ¹⁹ F NMR. <i>Journal of Biological Chemistry</i> , 1996, 271, 7398-7403.	1.6	86
137	Fluorinated o-Aminophenol Derivatives for Measurement of Intracellular pH. <i>Bioconjugate Chemistry</i> , 1995, 6, 77-81.	1.8	10
138	Dynamic nuclear magnetic resonance frequency shifts for spin 1/2 nuclei coupled to efficiently relaxed spin-3/2 nuclei. <i>Journal of Chemical Physics</i> , 1995, 102, 5181-5189.	1.2	32
139	Differential clearance of nitroxide MRI contrast agents from rat cerebral ventricles. <i>Brain Research Bulletin</i> , 1995, 36, 91-96.	1.4	11
140	In Vivo NMR Studies Utilizing Fluorinated Probes. , 1994, , 263-277.		4
141	Anomeric Dependence of Fluorodeoxyglucose Transport in Human Erythrocytes. <i>Biochemistry</i> , 1994, 33, 10985-10992.	1.2	19
142	Studies of Inhibitor Binding to Escherichia coli Purine Nucleoside Phosphorylase Using the Transferred Nuclear Overhauser Effect and Rotating-Frame Nuclear Overhauser Enhancement. <i>Biochemistry</i> , 1994, 33, 7547-7559.	1.2	27
143	Fluorine-19 NMR Studies of Fluorobenzeneboronic Acids. 1. Interaction Kinetics with Biologically Significant Ligands. <i>Journal of the American Chemical Society</i> , 1994, 116, 2562-2569.	6.6	38
144	Fluorine-19 NMR Studies of Fluorobenzeneboronic Acids. 2. Kinetic Characterization of the Interaction with Subtilisin Carlsberg and Model Ligands. <i>Journal of the American Chemical Society</i> , 1994, 116, 2570-2575.	6.6	30

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145	Glibenclamide does not abolish the protective effect of preconditioning on stunning in the isolated perfused rat heart. <i>Cardiovascular Research</i> , 1993, 27, 630-637.	1.8	46
146	Synthesis and evaluation of fluorinated calcium chelators with enhanced relaxation characteristics. <i>Magnetic Resonance in Chemistry</i> , 1992, 30, 723-732.	1.1	3
147	Charge dependence of the distribution of contrast agents in rat cerebral ventricles. <i>Magnetic Resonance in Medicine</i> , 1992, 27, 135-141.	1.9	8
148	In Vivo ² H NMR Studies of Cellular Metabolism. <i>Biological Magnetic Resonance</i> , 1992, , 277-306.	0.4	3
149	Magnetic resonance imaging study of the rat cerebral ventricular system utilizing intracerebrally administered contrast agents. <i>Magnetic Resonance in Medicine</i> , 1991, 21, 97-106.	1.9	23
150	Quantitative determination of the partial oxygen pressure in the vitrectomized rabbit eye in Vivo using ¹⁹ F NMR. <i>Magnetic Resonance in Medicine</i> , 1991, 21, 233-241.	1.9	47
151	Phase-sensitive imaging and its application to the separation of water and fat MRI signals. <i>Journal of Magnetic Resonance</i> , 1990, 88, 205-209.	0.5	0
152	Effects of Diltiazem on Lactate, ATP, and Cytosolic Free Calcium Levels in Ischemic Hearts. <i>Journal of Cardiovascular Pharmacology</i> , 1990, 15, 44-49.	0.8	37
153	Carbon-13 and nitrogen-15 nuclear magnetic resonance evidence of the ionization state of substrates bound to bovine dihydrofolate reductase. <i>Biochemistry</i> , 1990, 29, 1290-1296.	1.2	31
154	Bradykinin and its Gly6 analog are substrates of cyclophilin: a fluorine-19 magnetization transfer study. <i>Biochemistry</i> , 1990, 29, 10298-10302.	1.2	29
155	Uridine diphospho sugars and related hexose phosphates in the liver of hexosamine-treated rats: identification using phosphorus-31-{proton} two-dimensional NMR with HOHAHA relay. <i>Biochemistry</i> , 1990, 29, 4318-4325.	1.2	25
156	Dissociation constants for dihydrofolic acid and dihydrobiopterin and implications for mechanistic models for dihydrofolate reductase. <i>Biochemistry</i> , 1990, 29, 4554-4560.	1.2	60
157	Measurement of Cytosolic Calcium Using ¹⁹ F NMR. <i>Environmental Health Perspectives</i> , 1990, 84, 95.	2.8	4
158	Probing the role of proline in peptide hormones. <i>Biochemical Pharmacology</i> , 1990, 40, 41-48.	2.0	20
159	In Vivo Phosphorus NMR Studies of the Hepatic Metabolism of Amino Sugars. , 1990, 56, 349-360.		0
160	Carbon dioxide abolishes the reverse Pasteur effect in <i>Leishmania major</i> promastigotes. <i>Molecular and Biochemical Parasitology</i> , 1989, 33, 191-202.	0.5	37
161	Use of multiple ¹³ C-labeling strategies and ¹³ C NMR to detect low levels of exogenous metabolites in the presence of large endogenous pools: Measurement of glucose turnover in a human subject. <i>Analytical Biochemistry</i> , 1989, 176, 307-312.	1.1	16
162	Magnetic resonance imaging studies of the brains of anesthetized rats treated with manganese chloride. <i>Brain Research Bulletin</i> , 1989, 23, 229-235.	1.4	71

#	ARTICLE	IF	CITATIONS
163	Determination of membrane potential and cell volume by fluorine-19 NMR using trifluoroacetate and trifluoroacetamide probes. <i>Biochemistry</i> , 1989, 28, 2378-2382.	1.2	47
164	[18] Interpreting protein dynamics with nuclear magnetic resonance relaxation measurements. <i>Methods in Enzymology</i> , 1989, 176, 358-375.	0.4	23
165	¹³ C labeling in studies of metabolic regulation. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1988, 20, 337-383.	3.9	133
166	A deuterium surface coil NMR study of the metabolism of D-methionine in the liver of the anesthetized rat. <i>Biochemistry</i> , 1988, 27, 7864-7869.	1.2	22
167	NMR observability of ATP: preferential depletion of cytosolic ATP during ischemia in perfused rat liver. <i>Biochemistry</i> , 1988, 27, 526-528.	1.2	75
168	Measurement of cytosolic free magnesium ion concentration by fluorine-19 NMR. <i>Biochemistry</i> , 1988, 27, 4041-4048.	1.2	97
169	Measurements of in vivo hepatic halothane metabolism in rats using ¹⁹ F NMR spectroscopy. <i>Biochemical Pharmacology</i> , 1987, 36, 413-416.	2.0	16
170	The metabolism of excess methionine in the liver of the intact rat: an in vivo deuterium NMR study. <i>Biochemistry</i> , 1987, 26, 7166-7172.	1.2	26
171	Fluorine-19 NMR studies of tumor-bearing rats treated with difluoromethylornithine. <i>Magnetic Resonance in Medicine</i> , 1987, 4, 137-143.	1.9	17
172	A pulse reflectometer for routine monitoring of transmitted and reflected power in physiological NMR studies. <i>Magnetic Resonance in Medicine</i> , 1987, 4, 175-178.	1.9	1
173	¹³ C n.m.r. study of the solution conformation of bradykinin analogs containing β -aminoisobutyric acid. <i>International Journal of Peptide and Protein Research</i> , 1987, 29, 486-496.	0.1	45
174	In vivo ³¹ P nuclear magnetic resonance studies of arsenite induced changes in hepatic phosphate levels. <i>Biochemical and Biophysical Research Communications</i> , 1986, 139, 228-234.	1.0	30
175	Nuclear magnetic resonance study of the state of protonation of inhibitors bound to mutant dihydrofolate reductase lacking the active-site carboxyl. <i>Biochemistry</i> , 1986, 25, 7229-7235.	1.2	30
176	³¹ P-NMR characterization of hen egg yolk and egg white. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 887, 118-120.	1.9	5
177	Biosynthesis of trehalose by <i>Brevibacterium flavum</i> : Use of long range ¹³ C- ¹³ C coupling data to characterize triose phosphate isomerase activity. <i>Bioscience Reports</i> , 1985, 5, 509-515.	1.1	5
178	An approach to NMR studies of the metabolism of internal organs using surface coils. <i>Journal of Proteomics</i> , 1985, 11, 21-29.	2.4	12
179	A critical evaluation of models for complex molecular dynamics: Application to NMR studies of double- and single-stranded DNA. <i>Biopolymers</i> , 1983, 22, 2703-2726.	1.2	25
180	Protonated state of methotrexate, trimethoprim, and pyrimethamine bound to dihydrofolate reductase. <i>Archives of Biochemistry and Biophysics</i> , 1983, 226, 567-577.	1.4	77

#	ARTICLE	IF	CITATIONS
181	13 C-NMR studies of selectively carboxymethylated [methyl -13 C]methionine-labeled bacterial dihydrofolate reductase. FEBS Letters, 1983, 160, 56-60.	1.3	4
182	13C NMR relaxation and conformational flexibility of the deoxyribose ring. Nucleic Acids Research, 1982, 10, 6067-6083.	6.5	9
183	Nuclear magnetic resonance study of interaction of ligands with Streptococcus faecium dihydrofolate reductase labeled with [γ -13C]tryptophan. Biochemistry, 1982, 21, 4450-4458.	1.2	10
184	Testing for α -proline with β -aminoisobutyric acid substitution. International Journal of Peptide and Protein Research, 1982, 19, 334-342.	0.1	10
185	Carbon-13 nuclear magnetic resonance study of protonation of methotrexate and aminopterin bound to dihydrofolate reductase. Biochemistry, 1981, 20, 3972-3978.	1.2	92
186	360-MHz hydrogen-1 NMR conformational analysis of Gly-Pro-X peptides (X = Ala, Cha, Phe). Journal of the American Chemical Society, 1981, 103, 2187-2191.	6.6	11
187	Nuclear magnetic resonance study of dihydrofolate reductase labeled with [γ -13C]tryptophan. Biochemistry, 1981, 20, 6169-6178.	1.2	16
188	Protonation of methotrexate bound to the catalytic site of dihydrofolate reductase from lactobacillus casei. Biochemical and Biophysical Research Communications, 1981, 100, 413-419.	1.0	34
189	A 13C NMR study of the solution dynamics of 1,3,5-triphenylbenzene; analysis of motion about the phenyl-phenyl bond. Journal of Magnetic Resonance, 1981, 45, 476-489.	0.5	6
190	Correlation of carboxyl carbon titration shifts and pK values. Journal of Magnetic Resonance, 1980, 38, 173-177.	0.5	6
191	Photosynthetic preparation and characterization of 13C-labeled carbohydrates in agmenellum quadruplicatum. Carbohydrate Research, 1979, 73, 193-202.	1.1	59
192	13C NMR evidence of the slow exchange of tryptophans in dihydrofolate reductase between stable conformations. Biochemical and Biophysical Research Communications, 1979, 86, 779-786.	1.0	32
193	Carbon-13 NMR spectroscopy of [20%-1,2-13C2-Gly6]-bradykinin. Role of serine in reducing structural heterogeneity. Journal of the American Chemical Society, 1979, 101, 2455-2462.	6.6	37
194	QUANTITATIVE EVALUATION OF β -TURN CONFORMATION IN PROLINE-CONTAINING PEPTIDES USING 13 C N.M.R. International Journal of Peptide and Protein Research, 1979, 14, 377-387.	0.1	15
195	EFFECT OF TEMPERATURE UPON THE CIRCULAR DICHROISM OF BRADYKININ. International Journal of Peptide and Protein Research, 1979, 14, 388-392.	0.1	17
196	Calculated carbon-13 NMR relaxation parameters for a restricted internal diffusion model. Application to methionine relaxation in dihydrofolate reductase. Journal of the American Chemical Society, 1978, 100, 7159-7165.	6.6	116
197	Carbon-carbon coupling in [90%-13C-2]histidine. Journal of the Chemical Society Chemical Communications, 1978, , 1070-1071.	2.0	11
198	Nuclear magnetic resonance studies on bacterial dihydrofolate reductase containing [guanidino-13C]arginine. Biochemistry, 1978, 17, 4285-4290.	1.2	31

#	ARTICLE	IF	CITATIONS
199	¹³ C nuclear magnetic resonance study of the cis-trans isomerism in X-Pro-Pro tripeptides. <i>Biochemistry</i> , 1978, 17, 2277-2283.	1.2	37
200	¹³ C and proton nuclear magnetic resonance studies of bradykinin and selected peptide fragments. <i>Biochemistry</i> , 1978, 17, 2270-2277.	1.2	65
201	Studies of the pH dependence of carbon-13 shifts and carbon-carbon coupling constants of [U- ¹³ C]aspartic and -glutamic acids. <i>Journal of the American Chemical Society</i> , 1978, 100, 3723-3729.	6.6	45
202	Nuclear magnetic resonance studies on bacterial dihydrofolate reductase containing [methyl- ¹³ C]methionine. <i>Biochemistry</i> , 1978, 17, 2284-2293.	1.2	49
203	The interpretation of carbon-13 spin-lattice relaxation resulting from ring puckering in proline. <i>Journal of the American Chemical Society</i> , 1978, 100, 2678-2685.	6.6	99
204	A ¹³ C nuclear magnetic resonance study of the interaction of ligands with arginine residues in dihydrofolate reductase. <i>Biochemical and Biophysical Research Communications</i> , 1977, 76, 183-188.	1.0	15
205	Calculation of carbon-13 relaxation times and nuclear Overhauser enhancements in a hydrocarbon chain undergoing gauche-trans isomerism. <i>Journal of the American Chemical Society</i> , 1977, 99, 7765-7776.	6.6	95
206	On the solution conformation of bradykinin and certain fragments. <i>Biochemistry</i> , 1976, 15, 498-504.	1.2	25
207	¹³ C- ¹ H nuclear Overhauser enhancement and ¹³ C spin lattice relaxation in molecules undergoing multiple internal rotations. <i>Journal of Chemical Physics</i> , 1976, 65, 2443-2450.	1.2	46
208	Carbon-13 Fourier transform nuclear magnetic resonance studies of fractionated <i>Candida utilis</i> membranes. <i>Biochemistry</i> , 1975, 14, 5492-5500.	1.2	19
209	Nuclear magnetic resonance study of the interaction of inhibitory nucleosides with <i>Escherichia coli</i> aspartate transcarbamylase and its regulatory subunit. <i>Biochemistry</i> , 1974, 13, 1170-1179.	1.2	19
210	Model for nucleotide regulation of aspartate transcarbamylase. <i>Biochemistry</i> , 1972, 11, 3136-3142.	1.2	38