

Andrew N Lane

List of Publications by Year in descending order

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156
papers

15,365
citations

29994

54
h-index

19136

118
g-index

167
all docs

167
docs citations

167
times ranked

22442
citing authors

#	ARTICLE	IF	CITATIONS
1	Head and Neck Cancer Susceptibility and Metabolism in Fanconi Anemia. <i>Cancers</i> , 2022, 14, 2040.	1.7	2
2	Succinate dehydrogenase/complex II is critical for metabolic and epigenetic regulation of T cell proliferation and inflammation. <i>Science Immunology</i> , 2022, 7, eabm8161.	5.6	23
3	Apolipoprotein E genotype-dependent nutrigenetic effects to prebiotic inulin for modulating systemic metabolism and neuroprotection in mice via gut-brain axis. <i>Nutritional Neuroscience</i> , 2021, , 1-11.	1.5	14
4	NMR Methods for Determining Lipid Turnover via Stable Isotope Resolved Metabolomics. <i>Metabolites</i> , 2021, 11, 202.	1.3	9
5	NMR Analysis of Carboxylate Isotopomers of ¹³ C-Metabolites by Chemoselective Derivatization with ¹⁵ N-Cholamine. <i>Analytical Chemistry</i> , 2021, 93, 6629-6637.	3.2	6
6	Abstract 2018: Understanding the functional significance of Sulfiredoxin in cancer cell metabolism. , 2021, , .		0
7	Innate immune activation by checkpoint inhibition in human patient-derived lung cancer tissues. <i>ELife</i> , 2021, 10, .	2.8	17
8	Rapid analysis of S-adenosylmethionine (SAM) and S-adenosylhomocysteine (SAH) isotopologues in stable isotope-resolved metabolomics (SIRM) using direct infusion nanoelectrospray ultra-high-resolution Fourier transform mass spectrometry (DI-nESI-UHR-FTMS). <i>Analytica Chimica Acta</i> , 2021, 1181, 338873.	2.6	4
9	Mitochondrial DNA alterations underlie an irreversible shift to aerobic glycolysis in fumarate hydratase-deficient renal cancer. <i>Science Signaling</i> , 2021, 14, .	1.6	64
10	An Ion Chromatography-Ultrahigh-Resolution-MS ¹ /Data-Independent High-Resolution MS ² Method for Stable Isotope-Resolved Metabolomics Reconstruction of Central Metabolic Networks. <i>Analytical Chemistry</i> , 2021, 93, 2749-2757.	3.2	9
11	Multifocal Renal Cell Carcinomas With Somatic IDH2 Mutation: Report of a Previously Undescribed Neoplasm. <i>American Journal of Surgical Pathology</i> , 2021, 45, 137-142.	2.1	5
12	Applications of chromatography-ultra high-resolution MS for stable isotope-resolved metabolomics (SIRM) reconstruction of metabolic networks. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115676.	5.8	9
13	Inferring Gene Regulatory Networks of Metabolic Enzymes Using Gradient Boosted Trees. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 1528-1536.	3.9	7
14	Metabolic reprogramming in tumors: Contributions of the tumor microenvironment. <i>Genes and Diseases</i> , 2020, 7, 185-198.	1.5	45
15	Fumarate hydratase-deficient renal cell carcinoma cells respond to asparagine by activation of the unfolded protein response and stimulation of the hexosamine biosynthetic pathway. <i>Cancer & Metabolism</i> , 2020, 8, 7.	2.4	2
16	Inosine is an alternative carbon source for CD8 ⁺ -T-cell function under glucose restriction. <i>Nature Metabolism</i> , 2020, 2, 635-647.	5.1	150
17	Resolving Metabolic Heterogeneity in Experimental Models of the Tumor Microenvironment from a Stable Isotope Resolved Metabolomics Perspective. <i>Metabolites</i> , 2020, 10, 249.	1.3	9
18	² -Alkynyl spin-labelling is a minimally perturbing tool for DNA structural analysis. <i>Nucleic Acids Research</i> , 2020, 48, 2830-2840.	6.5	8

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19	A negative reciprocal regulatory axis between cyclin D1 and HNF4 α modulates cell cycle progression and metabolism in the liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17177-17186.	3.3	34
20	Nitric oxide orchestrates metabolic rewiring in M1 macrophages by targeting aconitase 2 and pyruvate dehydrogenase. <i>Nature Communications</i> , 2020, 11, 698.	5.8	232
21	Differential Abundance Analysis with Bayes Shrinkage Estimation of Variance (DASEV) for Zero-Inflated Proteomic and Metabolomic Data. <i>Scientific Reports</i> , 2020, 10, 876.	1.6	2
22	Software Supporting a Workflow of Quantitative Dynamic Flux Maps Estimation in Central Metabolism from SIRM Experimental Data. <i>Methods in Molecular Biology</i> , 2020, 2088, 271-298.	0.4	3
23	Inhibition of Anaplerotic Glutaminolysis Underlies Selenite Toxicity in Human Lung Cancer. <i>Proteomics</i> , 2019, 19, e1800486.	1.3	15
24	De novo synthesis of serine and glycine fuels purine nucleotide biosynthesis in human lung cancer tissues. <i>Journal of Biological Chemistry</i> , 2019, 294, 13464-13477.	1.6	58
25	JAK2-mutant hematopoietic cells display metabolic alterations that can be targeted to treat myeloproliferative neoplasms. <i>Blood</i> , 2019, 134, 1832-1846.	0.6	42
26	Improved segmented-scan spectral stitching for stable isotope resolved metabolomics (SIRM) by ultra-high-resolution Fourier transform mass spectrometry. <i>Analytica Chimica Acta</i> , 2019, 1080, 104-115.	2.6	5
27	Metabolic reprogramming and Notch activity distinguish between non-small cell lung cancer subtypes. <i>British Journal of Cancer</i> , 2019, 121, 51-64.	2.9	33
28	UCP2 Overexpression Redirects Glucose into Anabolic Metabolic Pathways. <i>Proteomics</i> , 2019, 19, e1800353.	1.3	13
29	NMR and MS-based Stable Isotope-Resolved Metabolomics and applications in cancer metabolism. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115322.	5.8	29
30	Photoinducible Oncometabolite Detection. <i>ChemBioChem</i> , 2019, 20, 360-365.	1.3	16
31	Quantification of Isotopologues of Amino Acids by Multiplexed Stable Isotope-Resolved Metabolomics Using Ultrahigh-Resolution Mass Spectrometry Coupled with Direct Infusion. <i>Methods in Molecular Biology</i> , 2019, 2030, 57-68.	0.4	2
32	Stable Isotope-Resolved Metabolomics by NMR. <i>Methods in Molecular Biology</i> , 2019, 2037, 151-168.	0.4	11
33	Imaging of glucose metabolism by ¹³ C-MRI distinguishes pancreatic cancer subtypes in mice. <i>ELife</i> , 2019, 8, .	2.8	19
34	Epigenetic Modifications of Cytosine: Biophysical Properties, Regulation, and Function in Mammalian DNA. <i>BioEssays</i> , 2018, 40, 1700199.	1.2	24
35	Exosomal lipids for classifying early and late stage non-small cell lung cancer. <i>Analytica Chimica Acta</i> , 2018, 1037, 256-264.	2.6	72
36	Acute loss of iron-sulfur clusters results in metabolic reprogramming and generation of lipid droplets in mammalian cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 8297-8311.	1.6	70

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37	Quantitative profiling of carbonyl metabolites directly in crude biological extracts using chemoselective tagging and nanoESI-FTMS. <i>Analyst</i> , 2018, 143, 311-322.	1.7	20
38	New methods to identify high peak density artifacts in Fourier transform mass spectra and to mitigate their effects on high-throughput metabolomic data analysis. <i>Metabolomics</i> , 2018, 14, 125.	1.4	14
39	Collagen prolyl 4-hydroxylase 1 is essential for HIF-1 α stabilization and TNBC chemoresistance. <i>Nature Communications</i> , 2018, 9, 4456.	5.8	170
40	TFmeta. , 2018, , .		1
41	Stable Isotope-Resolved Metabolomics Shows Metabolic Resistance to Anti-Cancer Selenite in 3D Spheroids versus 2D Cell Cultures. <i>Metabolites</i> , 2018, 8, 40.	1.3	40
42	Probing the metabolic phenotype of breast cancer cells by multiple tracer stable isotope resolved metabolomics. <i>Metabolic Engineering</i> , 2017, 43, 125-136.	3.6	45
43	5-Formylcytosine does not change the global structure of DNA. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 544-552.	3.6	44
44	Exploring cancer metabolism using stable isotope-resolved metabolomics (SIRM). <i>Journal of Biological Chemistry</i> , 2017, 292, 11601-11609.	1.6	80
45	Chloroformate derivatization for tracing the fate of Amino acids in cells and tissues by multiple stable isotope resolved metabolomics (mSIRM). <i>Analytica Chimica Acta</i> , 2017, 976, 63-73.	2.6	37
46	NMR-based Stable Isotope Resolved Metabolomics in systems biochemistry. <i>Archives of Biochemistry and Biophysics</i> , 2017, 628, 123-131.	1.4	43
47	Ketogenesis contributes to intestinal cell differentiation. <i>Cell Death and Differentiation</i> , 2017, 24, 458-468.	5.0	92
48	Noninvasive liquid diet delivery of stable isotopes into mouse models for deep metabolic network tracing. <i>Nature Communications</i> , 2017, 8, 1646.	5.8	74
49	Overexpression of the human DEK oncogene reprograms cellular metabolism and promotes glycolysis. <i>PLoS ONE</i> , 2017, 12, e0177952.	1.1	22
50	Distinctly perturbed metabolic networks underlie differential tumor tissue damages induced by immune modulator β -glucan in a two-case ex vivo non-small-cell lung cancer study. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a000893.	0.5	52
51	Metabolomics enables precision medicine: "A White Paper, Community Perspective". <i>Metabolomics</i> , 2016, 12, 149.	1.4	434
52	Preclinical models for interrogating drug action in human cancers using Stable Isotope Resolved Metabolomics (SIRM). <i>Metabolomics</i> , 2016, 12, 1.	1.4	24
53	Applications of NMR spectroscopy to systems biochemistry. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2016, 92-93, 18-53.	3.9	164
54	SDHB-Deficient Cancers: The Role of Mutations That Impair Iron Sulfur Cluster Delivery. <i>Journal of the National Cancer Institute</i> , 2016, 108, djv287.	3.0	92

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55	Stable Isotope Resolved Metabolomics Studies in ex vivo Tissue Slices. Bio-protocol, 2016, 6, .	0.2	42
56	Pyruvate carboxylase is critical for non- α -small-cell lung cancer proliferation. Journal of Clinical Investigation, 2015, 125, 687-698.	3.9	407
57	Regulation of mammalian nucleotide metabolism and biosynthesis. Nucleic Acids Research, 2015, 43, 2466-2485.	6.5	631
58	Chemoselective detection and discrimination of carbonyl-containing compounds in metabolite mixtures by ^1H -detected ^{15}N nuclear magnetic resonance. Magnetic Resonance in Chemistry, 2015, 53, 337-343.	1.1	22
59	Dectin-1 Activation by a Natural Product β -Glucan Converts Immunosuppressive Macrophages into an M1-like Phenotype. Journal of Immunology, 2015, 195, 5055-5065.	0.4	129
60	^{13}C Tracer Studies of Metabolism in Mouse Tumor Xenografts. Bio-protocol, 2015, 5, .	0.2	24
61	Development and in silico Evaluation of Large-Scale Metabolite Identification Methods Using Functional Group Detection for Metabolomics. FASEB Journal, 2015, 29, 567.22.	0.2	1
62	Fructose-2,6-Bisphosphate synthesis by 6-Phosphofructo-2-Kinase/Fructose-2,6-Bisphosphatase 4 (PFKFB4) is required for the glycolytic response to hypoxia and tumor growth. Oncotarget, 2014, 5, 6670-6686.	0.8	72
63	Development and in silico evaluation of large-scale metabolite identification methods using functional group detection for metabolomics. Frontiers in Genetics, 2014, 5, 237.	1.1	23
64	Role in Tumor Growth of a Glycogen Debranching Enzyme Lost in Glycogen Storage Disease. Journal of the National Cancer Institute, 2014, 106, .	3.0	38
65	Targeting Lactate Dehydrogenase-A Inhibits Tumorigenesis and Tumor Progression in Mouse Models of Lung Cancer and Impacts Tumor-Initiating Cells. Cell Metabolism, 2014, 19, 795-809.	7.2	411
66	Development of large-scale metabolite identification methods for metabolomics. BMC Bioinformatics, 2014, 15, P36.	1.2	0
67	Knockdown of Malic Enzyme 2 Suppresses Lung Tumor Growth, Induces Differentiation and Impacts PI3K/AKT Signaling. Scientific Reports, 2014, 4, 5414.	1.6	73
68	Stable Isotope-Labeled Tracers for Metabolic Pathway Elucidation by GC-MS and FT-MS. Methods in Molecular Biology, 2014, 1198, 147-167.	0.4	42
69	Structural Insights into the Evolution of a Sexy Protein: Novel Topology and Restricted Backbone Flexibility in a Hypervariable Pheromone from the Red-Legged Salamander, Plethodon shermani. PLoS ONE, 2014, 9, e96975.	1.1	18
70	Assignment Strategies for Nuclear Magnetic Resonances in Metabolomic Research. , 2013, , 525-584.		9
71	Administration of exogenous adenosine triphosphate to ischemic skeletal muscle induces an energy-sparing effect: Role of adenosine receptors. Journal of Surgical Research, 2013, 181, e15-e22.	0.8	8
72	Polyethylene glycol binding alters human telomere G-quadruplex structure by conformational selection. Nucleic Acids Research, 2013, 41, 7934-7946.	6.5	122

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73	Metabolic Reprogramming for Producing Energy and Reducing Power in Fumarate Hydratase Null Cells from Hereditary Leiomyomatosis Renal Cell Carcinoma. PLoS ONE, 2013, 8, e72179.	1.1	80
74	High information throughput analysis of nucleotides and their isotopically enriched isotopologues by direct-infusion FTICR-MS. Metabolomics, 2012, 8, 930-939.	1.4	52
75	The stability of intramolecular DNA G-quadruplexes compared with other macromolecules. Biochimie, 2012, 94, 277-286.	1.3	24
76	Glucose-Independent Glutamine Metabolism via TCA Cycling for Proliferation and Survival in B Cells. Cell Metabolism, 2012, 15, 110-121.	7.2	923
77	Principles of NMR for Applications in Metabolomics. Methods in Pharmacology and Toxicology, 2012, , 127-197.	0.1	5
78	Reprogramming of proline and glutamine metabolism contributes to the proliferative and metabolic responses regulated by oncogenic transcription factor c-MYC. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8983-8988.	3.3	399
79	Stable isotope resolved metabolomics analysis of ribonucleotide and RNA metabolism in human lung cancer cells. Metabolomics, 2012, 8, 517-527.	1.4	37
80	Stable isotope-resolved metabolomics and applications for drug development. , 2012, 133, 366-391.		186
81	Clinical Aspects of Metabolomics. Methods in Pharmacology and Toxicology, 2012, , 29-60.	0.1	2
82	Introduction to Metabolomics. Methods in Pharmacology and Toxicology, 2012, , 1-6.	0.1	0
83	NMR-based stable isotope resolved metabolomics in systems biochemistry. Journal of Biomolecular NMR, 2011, 49, 267-280.	1.6	102
84	Stable isotope resolved metabolomics of lung cancer in a SCID mouse model. Metabolomics, 2011, 7, 257-269.	1.4	98
85	A novel deconvolution method for modeling UDP-N-acetyl-D-glucosamine biosynthetic pathways based on 13C mass isotopologue profiles under non-steady-state conditions. BMC Biology, 2011, 9, 37.	1.7	73
86	Scaled-up separation of cellobiohydrolase1 from a cellulase mixture by ion-exchange chromatography. Biotechnology Progress, 2011, 27, 1644-1652.	1.3	4
87	Stable Isotope-Resolved Metabolomics (SIRM) in Cancer Research with Clinical Application to NonSmall Cell Lung Cancer. OMICS A Journal of Integrative Biology, 2011, 15, 173-182.	1.0	82
88	Solution structure of the RBD1,2 domains from human nucleolin. Journal of Biomolecular NMR, 2010, 47, 79-83.	1.6	24
89	Stable isotope-resolved metabolomic analysis of lithium effects on glial-neuronal metabolism and interactions. Metabolomics, 2010, 6, 165-179.	1.4	57
90	Resolution and characterization of the structural polymorphism of a single quadruplex-forming sequence. Nucleic Acids Research, 2010, 38, 4877-4888.	6.5	141

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91	Hydration Is a Major Determinant of the G-Quadruplex Stability and Conformation of the Human Telomere 3' Sequence of d(AG ₃ (TTAG ₃) ₃). <i>Journal of the American Chemical Society</i> , 2010, 132, 17105-17107.	6.6	197
92	Nuclear Targeting of 6-Phosphofructo-2-kinase (PFKFB3) Increases Proliferation via Cyclin-dependent Kinases. <i>Journal of Biological Chemistry</i> , 2009, 284, 24223-24232.	1.6	187
93	Prospects for clinical cancer metabolomics using stable isotope tracers. <i>Experimental and Molecular Pathology</i> , 2009, 86, 165-173.	0.9	42
94	Metabolic profiling identifies lung tumor responsiveness to erlotinib. <i>Experimental and Molecular Pathology</i> , 2009, 87, 83-86.	0.9	25
95	Isotopomer analysis of lipid biosynthesis by high resolution mass spectrometry and NMR. <i>Analytica Chimica Acta</i> , 2009, 651, 201-208.	2.6	79
96	Metabolic acidosis and the importance of balanced equations. <i>Metabolomics</i> , 2009, 5, 163-165.	1.4	27
97	¹³ C-Isotopomer-based metabolomics of microbial groups isolated from two forest soils. <i>Metabolomics</i> , 2009, 5, 108-122.	1.4	23
98	Altered regulation of metabolic pathways in human lung cancer discerned by ¹³ C stable isotope-resolved metabolomics (SIRM). <i>Molecular Cancer</i> , 2009, 8, 41.	7.9	369
99	Structural analysis of the DNA target site and its interaction with Mbp1. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4981.	1.5	7
100	NMR structure note: alkaline proteinase inhibitor APRin from <i>Pseudomonas aeruginosa</i> . <i>Journal of Biomolecular NMR</i> , 2008, 40, 213-217.	1.6	3
101	A Very Stable Cyclic DNA Miniduplex with Just Two Base Pairs. <i>ChemBioChem</i> , 2008, 9, 50-52.	1.3	61
102	Stable isotope-assisted metabolomics in cancer research. <i>IUBMB Life</i> , 2008, 60, 124-129.	1.5	40
103	Structure-based profiling of metabolites and isotopomers by NMR. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2008, 52, 69-117.	3.9	209
104	Rhabdomyosarcoma cells show an energy producing anabolic metabolic phenotype compared with primary myocytes. <i>Molecular Cancer</i> , 2008, 7, 79.	7.9	61
105	Targeting aspartate aminotransferase in breast cancer. <i>Breast Cancer Research</i> , 2008, 10, R84.	2.2	234
106	Stability and kinetics of G-quadruplex structures. <i>Nucleic Acids Research</i> , 2008, 36, 5482-5515.	6.5	644
107	Thermodynamics and Specificity of the Mbp1-DNA Interaction. <i>Biochemistry</i> , 2008, 47, 6378-6385.	1.2	7
108	Small-molecule inhibition of 6-phosphofructo-2-kinase activity suppresses glycolytic flux and tumor growth. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 110-120.	1.9	371

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109	Isotopomer-Based Metabolomic Analysis by NMR and Mass Spectrometry. <i>Methods in Cell Biology</i> , 2008, 84, 541-588.	0.5	109
110	Under normoxia, 2-deoxy-D-glucose elicits cell death in select tumor types not by inhibition of glycolysis but by interfering with N-linked glycosylation. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 3049-3058.	1.9	210
111	The oncoprotein H-RasV12 increases mitochondrial metabolism. <i>Molecular Cancer</i> , 2007, 6, 77.	7.9	65
112	Quantification and identification of isotopomer distributions of metabolites in crude cell extracts using 1H TOCSY. <i>Metabolomics</i> , 2007, 3, 79-86.	1.4	68
113	Proposed minimum reporting standards for chemical analysis. <i>Metabolomics</i> , 2007, 3, 211-221.	1.4	3,589
114	Integrating Metabolomics and Transcriptomics for Probing Se Anticancer Mechanisms. <i>Drug Metabolism Reviews</i> , 2006, 38, 707-732.	1.5	56
115	Metabolomics-edited transcriptomics analysis of Se anticancer action in human lung cancer cells. <i>Metabolomics</i> , 2006, 1, 325-339.	1.4	57
116	Improving NMR sensitivity in room temperature and cooled probes with dipolar ions. <i>Journal of Magnetic Resonance</i> , 2005, 173, 339-343.	1.2	18
117	Letter to the Editor: 1H, 15N and 13C assignments of the alkaline proteinase inhibitor APRin from <i>Pseudomonas aeruginosa</i> . <i>Journal of Biomolecular NMR</i> , 2005, 31, 265-266.	1.6	2
118	Determining the Origin of the Stabilization of DNA by 5-Aminopropynylation of Pyrimidines. <i>Biochemistry</i> , 2005, 44, 4710-4719.	1.2	13
119	Secondary structure and stability of the selenocysteine insertion sequences (SECIS) for human thioredoxin reductase and glutathione peroxidase. <i>Nucleic Acids Research</i> , 2004, 32, 1746-1755.	6.5	6
120	An electrophoretic profiling method for thiol-rich phytochelatins and metallothioneins. <i>Phytochemical Analysis</i> , 2004, 15, 175-183.	1.2	24
121	The promise of metabolomics in cancer molecular therapeutics. <i>Current Opinion in Molecular Therapeutics</i> , 2004, 6, 584-92.	2.8	31
122	In Vivo and In Vitro Metabolomic Analysis of Anaerobic Rice Coleoptiles Revealed Unexpected Pathways. <i>Russian Journal of Plant Physiology</i> , 2003, 50, 787-793.	0.5	35
123	The solution structure of a DNA middle dot RNA duplex containing 5-propynyl U and C; comparison with 5-Me modifications. <i>Nucleic Acids Research</i> , 2003, 31, 2683-2693.	6.5	33
124	Comprehensive chemical profiling of gramineous plant root exudates using high-resolution NMR and MS. <i>Phytochemistry</i> , 2001, 57, 209-221.	1.4	173
125	Solution Structure, Hydrodynamics and Thermodynamics of the UvrB C-terminal Domain. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 19, 219-236.	2.0	19
126	Thermodynamics of nucleic acids and their interactions with ligands. <i>Quarterly Reviews of Biophysics</i> , 2000, 33, 255-306.	2.4	79

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127	NMR assignments and secondary structure of the UvrC binding domain of UvrB. FEBS Letters, 1999, 451, 181-185.	1.3	17
128	Corrigendum to: NMR assignments and secondary structure of the UvrC binding domain of UvrB (FEBS) Tj ETQq0 0,0,rgBT /Oerlock 10	1.3	0
129	Analysis of Phosphorylated Metabolites in Crayfish Extracts by Two-Dimensional ¹ H- ³¹ P NMR Heteronuclear Total Correlation Spectroscopy (heteroTOCSY). Analytical Biochemistry, 1998, 263, 139-149.	1.1	43
130	Conformational and dynamic properties of a 14 residue antifreeze glycopeptide from antarctic cod. Protein Science, 1998, 7, 1555-1563.	3.1	49
131	Biotransformations of Selenium Oxyanion by Filamentous Cyanophyte-Dominated Mat Cultured from Agricultural Drainage Waters. Environmental Science & Technology, 1998, 32, 3185-3193.	4.6	47
132	Comparison of the solution structures of intramolecular DNA triple helices containing adjacent and non-adjacent CG{middle dot}C+ triplets. Nucleic Acids Research, 1998, 26, 3677-3686.	6.5	23
133	Anaerobic nitrate and ammonium metabolism in flood-tolerant rice coleoptiles. Journal of Experimental Botany, 1997, 48, 1655-1666.	2.4	67
134	Conformational Analysis of Nucleic Acids: Problems and Solutions. ACS Symposium Series, 1997, , 106-121.	0.5	3
135	Selenium Biotransformations by a Euryhaline Microalga Isolated from a Saline Evaporation Pond. Environmental Science & Technology, 1997, 31, 569-576.	4.6	82
136	Comprehensive Analysis of Organic Ligands in Whole Root Exudates Using Nuclear Magnetic Resonance and Gas Chromatography- ¹³ C Mass Spectrometry. Analytical Biochemistry, 1997, 251, 57-68.	1.1	132
137	Effects of Pancreatic Spasmolytic Polypeptide (PSP) on Epithelial Cell Function. FEBS Journal, 1996, 235, 64-72.	0.2	36
138	Influence of Conformational Averaging on ¹ H- ¹ H NOEs and Structure Determination in DNA. Magnetic Resonance in Chemistry, 1996, 34, S3-S10.	1.1	7
139	Determination of sugar conformations by NMR in larger DNA duplexes using both dipolar and scalar data: Application to d(CATGTGACGTACATG) ₂ . Journal of Biomolecular NMR, 1996, 7, 190-206.	1.6	23
140	Hydration of the RNA duplex r(CGCAAUUUGCG) ₂ determined by NMR. Nucleic Acids Research, 1996, 24, 3693-3699.	6.5	38
141	Interaction of Minor-Groove-Binding Diamidine Ligands with an Asymmetric DNA Duplex. NMR and Molecular Modelling Studies. FEBS Journal, 1995, 229, 433-444.	0.2	25
142	Conformational Flexibility in DNA Duplexes Containing Single G · G Mismatches. FEBS Journal, 1995, 230, 1073-1087.	0.2	11
143	Thermodynamic stability and solution conformation of tandem G · A mismatches in RNA and RNA · DNA hybrid duplexes. FEBS Journal, 1994, 220, 703-715.	0.2	27
144	Properties of multiple G · A mismatches in stable oligonucleotide duplexes. FEBS Journal, 1994, 220, 717-727.	0.2	20

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145	NMR and molecular modeling studies of the interaction of berenil and pentamidine with d(CGCAAATTTGCG) ₂ . FEBS Journal, 1993, 213, 1175-1184.	0.2	63
146	NMR assignments and solution conformation of the DNA . RNA hybrid duplex d(GTGAAGCTT) . r(AAGUUCAC). FEBS Journal, 1993, 215, 297-306.	0.2	50
147	Hypoxia does not affect rate of ATP synthesis and energy metabolism in rice shoot tips as measured by ³¹ P NMR in vivo. Archives of Biochemistry and Biophysics, 1992, 294, 314-318.	1.4	28
148	³¹ P NMR investigation of the backbone conformation and dynamics of the hexamer duplex d(5'â€²-GCATGC) ₂ in its complex with the antibiotic nogalamycin. FEBS Letters, 1992, 297, 292-296.	1.3	22
149	Sequence-specific NMR assignments of the trp repressor from Escherichia coli using three-dimensional ¹⁵ N/ ¹ H heteronuclear techniques. FEBS Journal, 1992, 204, 137-146.	0.2	11
150	Mechanism of the physiological reaction catalyzed by tryptophan synthase from Escherichia coli. Biochemistry, 1991, 30, 479-484.	1.2	73
151	Determination of the orientations of tryptophan analogues bound to the trp repressor and the relationship to activation. FEBS Journal, 1991, 202, 459-470.	0.2	12
152	The influence of tryptophan on mobility of residues in the trp repressor of Escherichia coli. FEBS Journal, 1989, 182, 95-104.	0.2	7
153	Combined use of ¹ H-NMR and GC-MS for metabolite monitoring and in vivo ¹ H-NMR assignments. Biochimica Et Biophysica Acta - General Subjects, 1986, 882, 154-167.	1.1	149
154	Relationships between the rate of synthesis of ATP and the concentrations of reactants and products of ATP hydrolysis in maize root tips, determined by ³¹ P nuclear magnetic resonance. Archives of Biochemistry and Biophysics, 1985, 240, 712-722.	1.4	61
155	The Mechanism of Binding of Lâ€šerine to Tryptophan Synthase from <i>Escherichia coli</i> . FEBS Journal, 1983, 129, 561-570.	0.2	76
156	The Catalytic Mechanism of Tryptophan Synthase from <i>Escherichia coli</i> . FEBS Journal, 1983, 129, 571-582.	0.2	106