

Robert Powers

List of Publications by Year in descending order

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174
papers

9,697
citations

36271

51
h-index

43868

91
g-index

245
all docs

245
docs citations

245
times ranked

12941
citing authors

#	ARTICLE	IF	CITATIONS
1	The application of machine-learning and Raman spectroscopy for the rapid detection of edible oils type and adulteration. <i>Food Chemistry</i> , 2022, 373, 131471.	4.2	38
2	A reversed phase ultra-high-performance liquid chromatography-data independent mass spectrometry method for the rapid identification of mycobacterial lipids. <i>Journal of Chromatography A</i> , 2022, 1662, 462739.	1.8	4
3	MnTE-2-PyP protects fibroblast mitochondria from hyperglycemia and radiation exposure. <i>Redox Biology</i> , 2022, 52, 102301.	3.9	6
4	Shifting-corrected regularized regression for ^1H NMR metabolomics identification and quantification. <i>Biostatistics</i> , 2022, 24, 140-160.	0.9	3
5	Human Serum Alters the Metabolism and Antibiotic Susceptibility of <i>Staphylococcus aureus</i> . <i>Journal of Proteome Research</i> , 2022, 21, 1467-1474.	1.8	3
6	Peptidomics analysis reveals changes in small urinary peptides in patients with interstitial cystitis/bladder pain syndrome. <i>Scientific Reports</i> , 2022, 12, 8289.	1.6	4
7	Metabolic profiling of historical and modern wheat cultivars using proton nuclear magnetic resonance spectroscopy. <i>Scientific Reports</i> , 2021, 11, 3080.	1.6	14
8	Integrative network analyses of transcriptomics data reveal potential drug targets for acute radiation syndrome. <i>Scientific Reports</i> , 2021, 11, 5585.	1.6	4
9	Radiation exposure induces cross-species temporal metabolic changes that are mitigated in mice by amifostine. <i>Scientific Reports</i> , 2021, 11, 14004.	1.6	17
10	DNAJA1 Dysregulates Metabolism Promoting an Antiapoptotic Phenotype in Pancreatic Ductal Adenocarcinoma. <i>Journal of Proteome Research</i> , 2021, 20, 3925-3939.	1.8	6
11	Closing the gap between in vivo and in vitro omics: using QA/QC to strengthen ex vivo NMR metabolomics. <i>NMR in Biomedicine</i> , 2021, , e4594.	1.6	5
12	Gadolinium-Based Paramagnetic Relaxation Enhancement Agent Enhances Sensitivity for NUS Multidimensional NMR-Based Metabolomics. <i>Molecules</i> , 2021, 26, 5115.	1.7	3
13	Combination of two analytical techniques improves wine classification by Vineyard, Region, and vintage. <i>Food Chemistry</i> , 2021, 354, 129531.	4.2	16
14	Deciphering the mechanism of action of antitubercular compounds with metabolomics. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4284-4299.	1.9	3
15	Quantitative NMR-Based Biomedical Metabolomics: Current Status and Applications. <i>Molecules</i> , 2020, 25, 5128.	1.7	81
16	Metabolic Feedback Inhibition Influences Metabolite Secretion by the Human Gut Symbiont <i>Bacteroides thetaiotaomicron</i> . <i>MSystems</i> , 2020, 5, .	1.7	13
17	Evaluation of Non-Uniform Sampling $2\text{D } ^1\text{H}\text{-}^{13}\text{C}$ HSQC Spectra for Semi-Quantitative Metabolomics. <i>Metabolites</i> , 2020, 10, 203.	1.3	17
18	Phosphorus NMR and Its Application to Metabolomics. <i>Analytical Chemistry</i> , 2020, 92, 9536-9545.	3.2	27

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19	Metabolic changes associated with adaptive resistance to daptomycin in <i>Streptococcus mitis-oralis</i> . <i>BMC Microbiology</i> , 2020, 20, 162.	1.3	8
20	Evaluation of Multivariate Classification Models for Analyzing NMR Metabolomics Data. <i>Journal of Proteome Research</i> , 2019, 18, 3282-3294.	1.8	19
21	Understanding interactions of Citropin 1.1 analogues with model membranes and their influence on biological activity. <i>Peptides</i> , 2019, 119, 170119.	1.2	7
22	The effect of cysteine oxidation on DJ-1 cytoprotective function in human alveolar type II cells. <i>Cell Death and Disease</i> , 2019, 10, 638.	2.7	27
23	Metabolomics Analyses from Tissues in Parkinson's Disease. <i>Methods in Molecular Biology</i> , 2019, 1996, 217-257.	0.4	14
24	Novel Amphiphilic Cyclobutene and Cyclobutane cis-C18 Fatty Acid Derivatives Inhibit <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Growth. <i>Veterinary Sciences</i> , 2019, 6, 46.	0.6	5
25	O-GlcNAc Transferase Suppresses Inflammation and Necroptosis by Targeting Receptor-Interacting Serine/Threonine-Protein Kinase 3. <i>Immunity</i> , 2019, 50, 576-590.e6.	6.6	111
26	Functional Evolution of Proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2019, 87, 492-501.	1.5	3
27	Urease is an essential component of the acid response network of <i>Staphylococcus aureus</i> and is required for a persistent murine kidney infection. <i>PLoS Pathogens</i> , 2019, 15, e1007538.	2.1	82
28	NMR Metabolomics Protocols for Drug Discovery. <i>Methods in Molecular Biology</i> , 2019, 2037, 265-311.	0.4	16
29	Expanding the Coverage of the Metabolome with Nitrogen-Based NMR. <i>Analytical Chemistry</i> , 2018, 90, 4521-4528.	3.2	23
30	¹⁵ N CEST data and traditional model-free analysis capture fast internal dynamics of DJ-1. <i>Analytical Biochemistry</i> , 2018, 542, 24-28.	1.1	6
31	Metabolic Mitigation of <i>Staphylococcus aureus</i> Vancomycin Intermediate-Level Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	32
32	Insights into gemcitabine resistance and the potential for therapeutic monitoring. <i>Metabolomics</i> , 2018, 14, 156.	1.4	25
33	Combining Mass Spectrometry and NMR Improves Metabolite Detection and Annotation. <i>Journal of Proteome Research</i> , 2018, 17, 4017-4022.	1.8	45
34	Comparing normalization methods and the impact of noise. <i>Metabolomics</i> , 2018, 14, 108.	1.4	15
35	Glucose Metabolism and AMPK Signaling Regulate Dopaminergic Cell Death Induced by Gene (α -Synuclein)-Environment (Paraquat) Interactions. <i>Molecular Neurobiology</i> , 2017, 54, 3825-3842.	1.9	40
36	Beyond the paradigm: Combining mass spectrometry and nuclear magnetic resonance for metabolomics. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2017, 100, 1-16.	3.9	168

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37	The NMR solution structure and function of RPA3313: a putative ribosomal transport protein from <i>Rhodospseudomonas palustris</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 93-102.	1.5	1
38	Identification of a Ligand-Binding Site on the <i>Staphylococcus aureus</i> DnaG Primase C-Terminal Domain. <i>Biochemistry</i> , 2017, 56, 932-943.	1.2	2
39	Assessment of Metabolic Changes in <i>Mycobacterium smegmatis</i> Wild-Type and <i>alr</i> Mutant Strains: Evidence of a New Pathway of <i>scpD</i> -Alanine Biosynthesis. <i>Journal of Proteome Research</i> , 2017, 16, 1270-1279.	1.8	12
40	Amino Acid Catabolism in <i>Staphylococcus aureus</i> and the Function of Carbon Catabolite Repression. <i>MBio</i> , 2017, 8, .	1.8	136
41	Metabolic Dysfunction in Parkinson's Disease: Bioenergetics, Redox Homeostasis and Central Carbon Metabolism. <i>Brain Research Bulletin</i> , 2017, 133, 12-30.	1.4	115
42	Nanoformulated copper/zinc superoxide dismutase exerts differential effects on glucose vs lipid homeostasis depending on the diet composition possibly via altered AMPK signaling. <i>Translational Research</i> , 2017, 188, 10-26.	2.2	20
43	GPR55 receptor antagonist decreases glycolytic activity in PANC1 pancreatic cancer cell line and tumor xenografts. <i>International Journal of Cancer</i> , 2017, 141, 2131-2142.	2.3	16
44	Glucose Limitation Alters Glutamine Metabolism in MUC1-Overexpressing Pancreatic Cancer Cells. <i>Journal of Proteome Research</i> , 2017, 16, 3536-3546.	1.8	27
45	Nitrite Derived from Endogenous Bacterial Nitric Oxide Synthase Activity Promotes Aerobic Respiration. <i>MBio</i> , 2017, 8, .	1.8	31
46	MUC1 and HIF-1 α Signaling Crosstalk Induces Anabolic Glucose Metabolism to Impart Gemcitabine Resistance to Pancreatic Cancer. <i>Cancer Cell</i> , 2017, 32, 71-87.e7.	7.7	373
47	Mitochondrial dysfunction in glial cells: Implications for neuronal homeostasis and survival. <i>Toxicology</i> , 2017, 391, 109-115.	2.0	107
48	The future of NMR-based metabolomics. <i>Current Opinion in Biotechnology</i> , 2017, 43, 34-40.	3.3	651
49	Metabolic Investigations of the Molecular Mechanisms Associated with Parkinson's Disease. <i>Metabolites</i> , 2017, 7, 22.	1.3	39
50	New frontiers in metabolomics: from measurement to insight. <i>F1000Research</i> , 2017, 6, 1148.	0.8	115
51	PCA as a Practical Indicator of OPLS-DA Model Reliability. <i>Current Metabolomics</i> , 2016, 4, 97-103.	0.5	284
52	A community resource of experimental data for <i>NMR</i> / <i>X</i> -ray crystal structure pairs. <i>Protein Science</i> , 2016, 25, 30-45.	3.1	24
53	A Urinary Metabolic Signature for Multiple Sclerosis and Neuromyelitis Optica. <i>Journal of Proteome Research</i> , 2016, 15, 659-666.	1.8	45
54	Redox Imbalance Underlies the Fitness Defect Associated with Inactivation of the Pta-AckA Pathway in <i>Staphylococcus aureus</i> . <i>Journal of Proteome Research</i> , 2016, 15, 1205-1212.	1.8	26

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55	Transient sampling of aggregation-prone conformations causes pathogenic instability of a parkinsonian mutant of α -syn at physiological temperature. <i>Protein Science</i> , 2015, 24, 1671-1685.	3.1	10
56	Preface: "The Whole is Greater Than the Sum of its Parts."- Aristotle. <i>Current Metabolomics</i> , 2015, 3, 2-3.	0.5	0
57	<i>Staphylococcus aureus</i> Metabolic Adaptations during the Transition from a Daptomycin Susceptibility Phenotype to a Daptomycin Nonsusceptibility Phenotype. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 4226-4238.	1.4	75
58	A sequential algorithm for multiblock orthogonal projections to latent structures. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 149, 33-39.	1.8	16
59	Generalized adaptive intelligent binning of multiway data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 146, 42-46.	1.8	21
60	Statistical removal of background signals from high-throughput 1H NMR line-broadening ligand-affinity screens. <i>Journal of Biomolecular NMR</i> , 2015, 63, 53-58.	1.6	2
61	Deterministic multidimensional nonuniform gap sampling. <i>Journal of Magnetic Resonance</i> , 2015, 261, 19-26.	1.2	36
62	Combining DI-ESI-MS and NMR datasets for metabolic profiling. <i>Metabolomics</i> , 2015, 11, 391-402.	1.4	60
63	Abstract 1172: (R)-4-Methoxy-1-naphthylfenoterol decreases glycolytic activity in the PANC-1 pancreatic cancer cell line. , 2015, , .		0
64	Metabolic reprogramming induced by ketone bodies diminishes pancreatic cancer cachexia. <i>Cancer & Metabolism</i> , 2014, 2, 18.	2.4	182
65	Development of Cyclobutene- and Cyclobutane-Functionalized Fatty Acids with Inhibitory Activity against <i>Mycobacterium tuberculosis</i> . <i>ChemMedChem</i> , 2014, 9, 1838-1849.	1.6	5
66	Identification of Low-Molecular-Weight Compounds Inhibiting Growth of Corynebacteria: Potential Lead Compounds for Antibiotics. <i>ChemMedChem</i> , 2014, 9, 282-285.	1.6	3
67	Simultaneous phase and scatter correction for NMR datasets. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 131, 1-6.	1.8	18
68	MVAPACK: A Complete Data Handling Package for NMR Metabolomics. <i>ACS Chemical Biology</i> , 2014, 9, 1138-1144.	1.6	96
69	Influence of Iron and Aeration on <i>Staphylococcus aureus</i> Growth, Metabolism, and Transcription. <i>Journal of Bacteriology</i> , 2014, 196, 2178-2189.	1.0	55
70	Growth and Preparation of <i>Staphylococcus epidermidis</i> for NMR Metabolomic Analysis. <i>Methods in Molecular Biology</i> , 2014, 1106, 71-91.	0.4	8
71	Structure and Function of Human DnaJ Homologue Subfamily A Member 1 (DNAJA1) and Its Relationship to Pancreatic Cancer. <i>Biochemistry</i> , 2014, 53, 1360-1372.	1.2	52
72	The Current State of Drug Discovery and a Potential Role for NMR Metabolomics. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5860-5870.	2.9	52

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73	Metabolomics Analysis Identifies <i>Ala</i> -Alanine-Ligase as the Primary Lethal Target of Cycloserine in Mycobacteria. <i>Journal of Proteome Research</i> , 2014, 13, 1065-1076.	1.8	61
74	Functional evolution of PLP-dependent enzymes based on active-site structural similarities. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 2597-2608.	1.5	21
75	Alterations in Energy/Redox Metabolism Induced by Mitochondrial and Environmental Toxins: A Specific Role for Glucose-6-Phosphate-Dehydrogenase and the Pentose Phosphate Pathway in Paraquat Toxicity. <i>ACS Chemical Biology</i> , 2014, 9, 2032-2048.	1.6	82
76	Catabolite Control Protein E (CcpE) Is a LysR-type Transcriptional Regulator of Tricarboxylic Acid Cycle Activity in <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 36116-36128.	1.6	38
77	Potential of Urinary Metabolites for Diagnosing Multiple Sclerosis. <i>ACS Chemical Biology</i> , 2013, 8, 684-690.	1.6	17
78	Utilities for quantifying separation in PCA/PLS-DA scores plots. <i>Analytical Biochemistry</i> , 2013, 433, 102-104.	1.1	160
79	Inactivation of the Pta-AckA Pathway Causes Cell Death in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2013, 195, 3035-3044.	1.0	68
80	NMR Metabolomics Analysis of Parkinson's Disease. <i>Current Metabolomics</i> , 2013, 1, 191-209.	0.5	29
81	Revisiting Protocols for the NMR Analysis of Bacterial Metabolomes. <i>Journal of Integrated OMICS</i> , 2013, 3, 120-137.	0.5	39
82	CcpA Regulates Arginine Biosynthesis in <i>Staphylococcus aureus</i> through Repression of Proline Catabolism. <i>PLoS Pathogens</i> , 2012, 8, e1003033.	2.1	91
83	Sample Preparation of <i>Mycobacterium tuberculosis</i> Extracts for Nuclear Magnetic Resonance Metabolomic Studies. <i>Journal of Visualized Experiments</i> , 2012, , e3673.	0.2	16
84	MUC1 mucin stabilizes and activates hypoxia-inducible factor 1 alpha to regulate metabolism in pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13787-13792.	3.3	207
85	Application of NMR Metabolomics to Search for Human Disease Biomarkers. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2012, 15, 595-610.	0.6	116
86	Analysis of bacterial biofilms using NMR-based metabolomics. <i>Future Medicinal Chemistry</i> , 2012, 4, 1273-1306.	1.1	89
87	Predicting the <i>In Vivo</i> Mechanism of Action for Drug Leads Using NMR Metabolomics. <i>ACS Chemical Biology</i> , 2012, 7, 166-171.	1.6	78
88	¹³ C NMR Reveals No Evidence of π - π^* Interactions in Proteins. <i>PLoS ONE</i> , 2012, 7, e42075.	1.1	16
89	Multivariate Analysis in Metabolomics. <i>Current Metabolomics</i> , 2012, 1, 92-107.	0.5	804
90	¹ H, ¹³ C, and ¹⁵ N NMR assignments for the helicase interaction domain of <i>Staphylococcus aureus</i> DnaG primase. <i>Biomolecular NMR Assignments</i> , 2012, 6, 35-38.	0.4	2

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91	The Applicability of Molecular Descriptors for Designing an Electrospray Ionization Mass Spectrometry Compatible Library for Drug Discovery. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2012, 15, 806-815.	0.6	8
92	Abstract 5152: Targeting HIF1 α -mediated metabolic alterations in pancreatic cancer. , 2012, , .		0
93	NMR Analysis of a Stress Response Metabolic Signaling Network. <i>Journal of Proteome Research</i> , 2011, 10, 3743-3754.	1.8	46
94	Correlation between Protein Function and Ligand Binding Profiles. <i>Journal of Proteome Research</i> , 2011, 10, 2538-2545.	1.8	12
95	Application of NMR and Molecular Docking in Structure-Based Drug Discovery. <i>Topics in Current Chemistry</i> , 2011, 326, 1-34.	4.0	39
96	A common sense approach to peak picking in two-, three-, and four-dimensional spectra using automatic computer analysis of contour diagrams. <i>Journal of Magnetic Resonance</i> , 2011, 213, 357-363.	1.2	133
97	Searching the protein structure database for ligand-binding site similarities using CPASS v.2. <i>BMC Research Notes</i> , 2011, 4, 17.	0.6	12
98	Bacterial protein structures reveal phylum dependent divergence. <i>Computational Biology and Chemistry</i> , 2011, 35, 24-33.	1.1	10
99	An inexpensive high-throughput nuclear magnetic resonance tube cleaning apparatus. <i>Analytical Biochemistry</i> , 2011, 416, 234-236.	1.1	2
100	Research Spotlight: Research in bioanalysis and separations at the University of Nebraska â€“ Lincoln. <i>Bioanalysis</i> , 2011, 3, 1065-1076.	0.6	0
101	Analysis of metabolomic PCA data using tree diagrams. <i>Analytical Biochemistry</i> , 2010, 399, 58-63.	1.1	54
102	Solution structure and function of YndB, an AHSA1 protein from <i>Bacillus subtilis</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 3328-3340.	1.5	13
103	PROFESS: a PROtein Function, Evolution, Structure and Sequence database. <i>Database: the Journal of Biological Databases and Curation</i> , 2010, 2010, baq011-baq011.	1.4	6
104	Using NMR Metabolomics to Investigate Tricarboxylic Acid Cycle-dependent Signal Transduction in <i>Staphylococcus epidermidis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 36616-36624.	1.6	45
105	A Multi-Step NMR Screen for the Identification and Evaluation of Chemical Leads for Drug Discovery. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 285-295.	0.6	21
106	NMR metabolomics and drug discovery. <i>Magnetic Resonance in Chemistry</i> , 2009, 47, S2-11.	1.1	92
107	Unique opportunities for NMR methods in structural genomics. <i>Journal of Structural and Functional Genomics</i> , 2009, 10, 101-106.	1.2	25
108	¹ H, ¹³ C, and ¹⁵ N NMR assignments for the <i>Bacillus subtilis</i> yndB START domain. <i>Biomolecular NMR Assignments</i> , 2009, 3, 191-194.	0.4	4

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109	Solution structure of the <i>Pseudomonas putida</i> protein PpPutA45 and its DNA complex. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 75, 12-27.	1.5	12
110	Structure and function of <i>Pseudomonas aeruginosa</i> protein PA1324 (21â€“170). <i>Protein Science</i> , 2009, 18, 606-618.	3.1	13
111	Advances in nuclear magnetic resonance for drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2009, 4, 1077-1098.	2.5	42
112	Structural and Functional Similarity between the Bacterial Type III Secretion System Needle Protein PrgI and the Eukaryotic Apoptosis Bcl-2 Proteins. <i>PLoS ONE</i> , 2009, 4, e7442.	1.1	11
113	The application of FAST-NMR for the identification of novel drug discovery targets. <i>Drug Discovery Today</i> , 2008, 13, 172-179.	3.2	34
114	Estimating Proteinâ”™Ligand Binding Affinity Using High-Throughput Screening by NMR. <i>ACS Combinatorial Science</i> , 2008, 10, 948-958.	3.3	95
115	Rapid Proteinâ”™Ligand Costructures Using Chemical Shift Perturbations. <i>Journal of the American Chemical Society</i> , 2008, 130, 535-545.	6.6	54
116	Tricarboxylic Acid Cycle-Dependent Regulation of <i>Staphylococcus epidermidis</i> Polysaccharide Intercellular Adhesin Synthesis. <i>Journal of Bacteriology</i> , 2008, 190, 7621-7632.	1.0	73
117	Functional Genomics and NMR Spectroscopy. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 676-697.	0.6	11
118	Use of NMR Metabolomics To Analyze the Targets of <i>scpd</i> -Cycloserine in Mycobacteria: Role of <i>scpd</i> -Alanine Racemase. <i>Journal of Proteome Research</i> , 2007, 6, 4608-4614.	1.8	68
119	APPLICATIONS OF NUCLEAR MAGNETIC RESONANCE AND MASS SPECTROMETRY TO ANTICANCER DRUG DISCOVERY. , 2006, , 107-190.		6
120	NMR Metabolic Profiling of <i>Aspergillus nidulans</i> to Monitor Drug and Protein Activity. <i>Journal of Proteome Research</i> , 2006, 5, 1916-1923.	1.8	33
121	Comparison of protein active site structures for functional annotation of proteins and drug design. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 124-135.	1.5	73
122	Negative impact of noise on the principal component analysis of NMR data. <i>Journal of Magnetic Resonance</i> , 2006, 178, 88-95.	1.2	71
123	FAST-NMR: A Functional Annotation Screening Technology Using NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 15292-15299.	6.6	48
124	Design and Characterization of a Functional Library for NMR Screening Against Novel Protein Targets. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2006, 9, 515-534.	0.6	23
125	Solution structure of <i>Archaeoglobus fulgidis</i> peptidyl-tRNA hydrolase (Pth2) provides evidence for an extensive conserved family of Pth2 enzymes in archaea, bacteria, and eukaryotes. <i>Protein Science</i> , 2005, 14, 2849-2861.	3.1	25
126	Determining the optimal size of small molecule mixtures for high throughput NMR screening. <i>Journal of Biomolecular NMR</i> , 2005, 31, 243-258.	1.6	26

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127	A topology-constrained distance network algorithm for protein structure determination from NOESY data. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 587-603.	1.5	121
128	An Integrated Platform for Automated Analysis of Protein NMR Structures. <i>Methods in Enzymology</i> , 2005, 394, 111-141.	0.4	67
129	Protein NMR Recall, Precision, and F-measure Scores (RPF Scores): A Structure Quality Assessment Measures Based on Information Retrieval Statistics. <i>Journal of the American Chemical Society</i> , 2005, 127, 1665-1674.	6.6	246
130	The Application of X-ray, NMR, and Molecular Modeling in the Design of MMP Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2004, 4, 1311-1327.	1.0	45
131	Letter to the Editor: ¹ H, ¹³ C and ¹⁵ N assignments for the <i>Archaeoglobus fulgidis</i> protein AF2095. <i>Journal of Biomolecular NMR</i> , 2004, 30, 107-108.	1.6	1
132	Impact of Mobility on Structure-Based Drug Design for the MMPs. <i>Journal of the American Chemical Society</i> , 2002, 124, 12658-12659.	6.6	56
133	Applications of NMR to structure-based drug design in structural genomics. <i>Journal of Structural and Functional Genomics</i> , 2002, 2, 113-123.	1.2	22
134	Solution structure of human IL-13 and implication for receptor binding. Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2001, 310, 219-230.	2.0	52
135	Solution structure of the tumor necrosis factor receptor-1 death domain. <i>Journal of Molecular Biology</i> , 2001, 310, 895-906.	2.0	44
136	Validity of Using the Radius of Gyration as a Restraint in NMR Protein Structure Determination. <i>Journal of the American Chemical Society</i> , 2001, 123, 3834-3835.	6.6	15
137	MS/NMR: A Structure-Based Approach for Discovering Protein Ligands and for Drug Design by Coupling Size Exclusion Chromatography, Mass Spectrometry, and Nuclear Magnetic Resonance Spectroscopy. <i>Analytical Chemistry</i> , 2001, 73, 571-581.	3.2	85
138	The discovery of anthranilic acid-based MMP inhibitors. Part 1: SAR of the 3-position. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 235-238.	1.0	47
139	Solution Structure of <i>B. subtilis</i> Acyl Carrier Protein. <i>Structure</i> , 2001, 9, 277-287.	1.6	76
140	Letter to the editor: ¹ H, ¹⁵ N, ¹³ C, and ¹³ CO assignments and secondary structure determination of collagenase-3 (MMP-13) complexed with a hydroxamic acid inhibitor. <i>Journal of Biomolecular NMR</i> , 2000, 17, 269-270.	1.6	9
141	Letter to the editor: ¹ H, ¹⁵ N, ¹³ C, and ¹³ CO assignments and secondary structure determination of ZipA. <i>Journal of Biomolecular NMR</i> , 2000, 17, 275-276.	1.6	5
142	Structural Relatedness of Distinct Determinants Recognized by Monoclonal Antibody TP25.99 on ^Î 2-Microglobulin-Associated and ^Î 2-Microglobulin-Free HLA Class I Heavy Chains. <i>Journal of Immunology</i> , 2000, 165, 3275-3283.	0.4	49
143	Analysis by NMR Spectroscopy of the Structural Homology between the Linear and the Cyclic Peptide Recognized by Anti-human Leukocyte Antigen Class I Monoclonal Antibody TP25.99*. <i>Journal of Biological Chemistry</i> , 2000, 275, 24679-24685.	1.6	3
144	Mutational analysis and NMR studies of the death domain of the tumor necrosis factor receptor-1. Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 2000, 300, 1323-1333.	2.0	33

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145	High-resolution solution structure of the catalytic fragment of human collagenase-3 (MMP-13) complexed with a hydroxamic acid inhibitor. <i>Journal of Molecular Biology</i> , 2000, 302, 671-689.	2.0	56
146	Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design. <i>Journal of the American Chemical Society</i> , 2000, 122, 9648-9654.	6.6	124
147	Evaluation of the Utility of NMR Structures Determined from Minimal NOE-Based Restraints for Structure-Based Drug Design, Using MMP-1 as an Example. <i>Biochemistry</i> , 2000, 39, 13365-13375.	1.2	14
148	Solution Structure of ZipA, a Crucial Component of <i>Escherichia coli</i> Cell Division. <i>Biochemistry</i> , 2000, 39, 9146-9156.	1.2	52
149	NMR Structure of Free RGS4 Reveals an Induced Conformational Change upon Binding GTP. <i>Biochemistry</i> , 2000, 39, 7063-7073.	1.2	38
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