

Claudio Luchinat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8268901/publications.pdf>

Version: 2024-02-01

616
papers

25,369
citations

7096

78
h-index

20358

116
g-index

651
all docs

651
docs citations

651
times ranked

18150
citing authors

#	ARTICLE	IF	CITATIONS
1	Using simple algebraic concepts to understand chemical composition problems. <i>International Journal of Mathematical Education in Science and Technology</i> , 2022, 53, 842-857.	1.4	1
2	Age- and Sex-Dependent Changes of Free Circulating Blood Metabolite and Lipid Abundances, Correlations, and Ratios. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 918-926.	3.6	13
3	Impact of the pre-examination phase on multicenter metabolomic studies. <i>New Biotechnology</i> , 2022, 68, 37-47.	4.4	10
4	Metabolite and lipoprotein profiles reveal sex-related oxidative stress imbalance in de novo drug-naïve Parkinson's disease patients. <i>Npj Parkinson's Disease</i> , 2022, 8, 14.	5.3	11
5	Serum or Plasma (and Which Plasma), That Is the Question. <i>Journal of Proteome Research</i> , 2022, 21, 1061-1072.	3.7	25
6	High Relaxivity with No Coordinated Waters: A Seemingly Paradoxical Behavior of [Gd(DOTP)] ³⁺ Embedded in Nanogels. <i>Inorganic Chemistry</i> , 2022, 61, 5380-5387.	4.0	7
7	Metabolomics Fingerprint Predicts Risk of Death in Dilated Cardiomyopathy and Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 851905.	2.4	3
8	Theoretical analysis of the long-distance limit of NMR chemical shieldings. <i>Journal of Chemical Physics</i> , 2022, 156, 154115.	3.0	5
9	Profiling metabolites and lipoproteins in COMETA, an Italian cohort of COVID-19 patients. <i>PLoS Pathogens</i> , 2022, 18, e1010443.	4.7	30
10	Paramagnetic effects in NMR for protein structures and ensembles: Studies of metalloproteins. <i>Current Opinion in Structural Biology</i> , 2022, 74, 102386.	5.7	9
11	Epitope Mapping and Binding Assessment by Solid-State NMR Provide a Way for the Development of Biologics under the Quality by Design Paradigm. <i>Journal of the American Chemical Society</i> , 2022, 144, 10006-10016.	13.7	9
12	Comparison of Different Reweighting Approaches for the Calculation of Conformational Variability of Macromolecules from Molecular Simulations. <i>ChemPhysChem</i> , 2021, 22, 127-138.	2.1	12
13	Differential Network Analysis Reveals Molecular Determinants Associated with Blood Pressure and Heart Rate in Healthy Subjects. <i>Journal of Proteome Research</i> , 2021, 20, 1040-1051.	3.7	3
14	A Quantum Chemistry View on Two Archetypical Paramagnetic Pentacoordinate Nickel(II) Complexes Offers a Fresh Look on Their NMR Spectra. <i>Inorganic Chemistry</i> , 2021, 60, 2068-2075.	4.0	18
15	Revisiting paramagnetic relaxation enhancements in slowly rotating systems: how long is the long range?. <i>Magnetic Resonance</i> , 2021, 2, 25-31.	1.9	2
16	Characterization of lanthanoid-binding proteins using NMR spectroscopy. <i>Methods in Enzymology</i> , 2021, 651, 103-137.	1.0	2
17	Metabolomic/lipidomic profiling of COVID-19 and individual response to tocilizumab. <i>PLoS Pathogens</i> , 2021, 17, e1009243.	4.7	76
18	A geroscience approach for Parkinson's disease: Conceptual framework and design of PROPAG-AGEING project. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111426.	4.6	14

#	ARTICLE	IF	CITATIONS
19	CXCR4 antagonism sensitizes cancer cells to novel indole-based MDM2/4 inhibitors in glioblastoma multiforme. <i>European Journal of Pharmacology</i> , 2021, 897, 173936.	3.5	11
20	Precision Oncology via NMR-Based Metabolomics: A Review on Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4687.	4.1	23
21	A High-Resolution View of the Coordination Environment in a Paramagnetic Metalloprotein from its Magnetic Properties. <i>Angewandte Chemie</i> , 2021, 133, 15087-15093.	2.0	5
22	A High-Resolution View of the Coordination Environment in a Paramagnetic Metalloprotein from its Magnetic Properties. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14960-14966.	13.8	13
23	Exploration of Blood Lipoprotein and Lipid Fraction Profiles in Healthy Subjects through Integrated Univariate, Multivariate, and Network Analysis Reveals Association of Lipase Activity and Cholesterol Esterification with Sex and Age. <i>Metabolites</i> , 2021, 11, 326.	2.9	5
24	Unveiling protein dynamics in solution with field-cycling NMR relaxometry. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2021, 124-125, 85-98.	7.5	18
25	Prediagnostic circulating metabolites in female breast cancer cases with low and high mammographic breast density. <i>Scientific Reports</i> , 2021, 11, 13025.	3.3	10
26	A Serum Metabolomics Classifier Derived from Elderly Patients with Metastatic Colorectal Cancer Predicts Relapse in the Adjuvant Setting. <i>Cancers</i> , 2021, 13, 2762.	3.7	14
27	Detection of Metabolite-Protein Interactions in Complex Biological Samples by High-Resolution Relaxometry: Toward Interactomics by NMR. <i>Journal of the American Chemical Society</i> , 2021, 143, 9393-9404.	13.7	18
28	Lipid and metabolite correlation networks specific to clinical and biochemical covariate show differences associated with sexual dimorphism in a cohort of nonagenarians. <i>GeroScience</i> , 2021, , 1.	4.6	2
29	NMR for Single Ion Magnets. <i>Magnetochemistry</i> , 2021, 7, 96.	2.4	9
30	Structure and Dynamics Perturbations in Ubiquitin Adsorbed or Entrapped in Silica Materials Are Related to Disparate Surface Chemistries Resolved by Solid-State NMR Spectroscopy. <i>Biomacromolecules</i> , 2021, 22, 3718-3730.	5.4	4
31	Metabolomic Fingerprints in Large Population Cohorts: Impact of Preanalytical Heterogeneity. <i>Clinical Chemistry</i> , 2021, 67, 1153-1155.	3.2	10
32	Evaluation of the Higher Order Structure of Biotherapeutics Embedded in Hydrogels for Bioprinting and Drug Release. <i>Analytical Chemistry</i> , 2021, 93, 11208-11214.	6.5	6
33	Analysis of Metabolite and Lipid Association Networks Reveals Molecular Mechanisms Associated with 3-Month Mortality and Poor Functional Outcomes in Patients with Acute Ischemic Stroke after Thrombolytic Treatment with Recombinant Tissue Plasminogen Activator. <i>Journal of Proteome Research</i> , 2021, 20, 4758-4770.	3.7	8
34	Not only manganese, but fruit component effects dictate the efficiency of fruit juice as an oral magnetic resonance imaging contrast agent. <i>NMR in Biomedicine</i> , 2021, , e4623.	2.8	2
35	Origin of the MRI Contrast in Natural and Hydrogel Formulation of Pineapple Juice. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-12.	4.1	3
36	Fecal metabolomic profiles: A comparative study of patients with colorectal cancer vs adenomatous polyps. <i>World Journal of Gastroenterology</i> , 2021, 27, 6430-6441.	3.3	11

#	ARTICLE	IF	CITATIONS
37	On the Mechanism of Bioinspired Formation of Inorganic Oxides: Structural Evidence of the Electrostatic Nature of the Interaction between a Mononuclear Inorganic Precursor and Lysozyme. <i>Biomolecules</i> , 2021, 11, 43.	4.0	4
38	Exploring Serum NMR-Based Metabolomic Fingerprint of Colorectal Cancer Patients: Effects of Surgery and Possible Associations with Cancer Relapse. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11120.	2.5	3
39	Phenotyping Green and Roasted Beans of Nicaraguan <i>Coffea Arabica</i> Varieties Processed with Different Post-Harvest Practices. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11779.	2.5	2
40	NMR-Based Metabolomics for the Assessment of Inhaled Pharmacotherapy in Chronic Obstructive Pulmonary Disease Patients. <i>Journal of Proteome Research</i> , 2020, 19, 64-74.	3.7	14
41	On the complementarity of X-ray and NMR data. <i>Journal of Structural Biology: X</i> , 2020, 4, 100019.	1.3	7
42	DHA-Induced Perturbation of Human Serum Metabolome. Role of the Food Matrix and Co-Administration of Oat β -glucan and Anthocyanins. <i>Nutrients</i> , 2020, 12, 86.	4.1	7
43	A protocol to automatically calculate homo-oligomeric protein structures through the integration of evolutionary constraints and NMR ambiguous contacts. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 114-124.	4.1	3
44	Differential Network Analysis Reveals Metabolic Determinants Associated with Mortality in Acute Myocardial Infarction Patients and Suggests Potential Mechanisms Underlying Different Clinical Scores Used To Predict Death. <i>Journal of Proteome Research</i> , 2020, 19, 949-961.	3.7	27
45	Different flavors of diffusion in paramagnetic systems: Unexpected NMR signal intensity and relaxation enhancements. <i>Journal of Magnetic Resonance Open</i> , 2020, 2-3, 100003.	1.1	3
46	Effects of Probiotics Administration on Human Metabolic Phenotype. <i>Metabolites</i> , 2020, 10, 396.	2.9	7
47	Metabolomics to Assess Response to Immune Checkpoint Inhibitors in Patients with Non-Small-Cell Lung Cancer. <i>Cancers</i> , 2020, 12, 3574.	3.7	42
48	Orientation of immobilized antigens on common surfaces by a simple computational model: Exposition of SARS-CoV-2 Spike protein RBD epitopes. <i>Biophysical Chemistry</i> , 2020, 265, 106441.	2.8	9
49	Solution of a Puzzle: High-Level Quantum-Chemical Treatment of Pseudocontact Chemical Shifts Confirms Classic Semiempirical Theory. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8735-8744.	4.6	28
50	Maximizing Magnetic Resonance Contrast in Gd(III) Nanoconjugates: Investigation of Proton Relaxation in Zirconium Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41157-41166.	8.0	20
51	Single Peptide Backbone Surrogate Mutations to Regulate Angiotensin GPCR Subtype Selectivity. <i>Chemistry - A European Journal</i> , 2020, 26, 10690-10694.	3.3	7
52	Nuclear Magnetic Resonance-Based Metabolomic Comparison of Breast Milk and Organic and Traditional Formula Milk Brands for Infants and Toddlers. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 424-436.	2.0	5
53	Plasma metabolome and cognitive skills in Down syndrome. <i>Scientific Reports</i> , 2020, 10, 10491.	3.3	23
54	Mixing $A\beta^{1-40}$ and $A\beta^{1-42}$ peptides generates unique amyloid fibrils. <i>Chemical Communications</i> , 2020, 56, 8830-8833.	4.1	39

#	ARTICLE	IF	CITATIONS
55	Multivariate Curve Resolution for 2D Solid-State NMR spectra. <i>Analytical Chemistry</i> , 2020, 92, 4451-4458.	6.5	15
56	The Photocatalyzed Thiol-ene reaction: A New Tag to Yield Fast, Selective and reversible Paramagnetic Tagging of Proteins. <i>ChemPhysChem</i> , 2020, 21, 863-869.	2.1	11
57	Fingerprinting Alzheimer's Disease by ¹ H Nuclear Magnetic Resonance Spectroscopy of Cerebrospinal Fluid. <i>Journal of Proteome Research</i> , 2020, 19, 1696-1705.	3.7	32
58	Effect of Estrogen Receptor Status on Circulatory Immune and Metabolomics Profiles of HER2-Positive Breast Cancer Patients Enrolled for Neoadjuvant Targeted Chemotherapy. <i>Cancers</i> , 2020, 12, 314.	3.7	22
59	The NMR tube bioreactor. <i>Methods in Enzymology</i> , 2020, 633, 71-101.	1.0	3
60	¹ H NMR Relaxometric Study of Chitosan-Based Nanogels Containing Mono- and Bis-Hydrated Gd(III) Chelates: Clues for MRI Probes of Improved Sensitivity. <i>ACS Applied Bio Materials</i> , 2020, 3, 9065-9072.	4.6	16
61	NMR of Immobilized Enzymes. <i>Methods in Molecular Biology</i> , 2020, 2100, 363-383.	0.9	1
62	High-Throughput Metabolomics by 1D NMR. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 968-994.	13.8	254
63	Hochdurchsatz-Metabolomik mit 1D-NMR. <i>Angewandte Chemie</i> , 2019, 131, 980-1007.	2.0	8
64	Investigation of Variations in the Human Urine Metabolome amongst European Populations: An Exploratory Search for Biomarkers of People at Risk of Poverty. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800216.	3.3	10
65	Fast and Quantitative NMR Metabolite Analysis Afforded by a Paramagnetic Co-solute. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15283-15286.	13.8	22
66	Relaxivity of Gd-Based MRI Contrast Agents in Crosslinked Hyaluronic Acid as a Model for Tissues. <i>ChemPhysChem</i> , 2019, 20, 2204-2209.	2.1	14
67	What are the methodological and theoretical prospects for paramagnetic NMR in structural biology? A glimpse into the crystal ball. <i>Journal of Magnetic Resonance</i> , 2019, 306, 173-179.	2.1	16
68	Assessing Structural Preferences of Unstructured Protein Regions by NMR. <i>Biophysical Journal</i> , 2019, 117, 1948-1953.	0.5	4
69	Metabolomic analysis of serum may refine 21-gene expression assay risk recurrence stratification. <i>Npj Breast Cancer</i> , 2019, 5, 26.	5.2	12
70	Mechanism and Inhibition of Matrix Metalloproteinases. <i>Current Medicinal Chemistry</i> , 2019, 26, 2609-2633.	2.4	31
71	Magnetic susceptibility and paramagnetism-based NMR. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2019, 114-115, 211-236.	7.5	54
72	How Do Nuclei Couple to the Magnetic Moment of a Paramagnetic Center? A New Theory at the Gauntlet of the Experiments. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3610-3614.	4.6	18

#	ARTICLE	IF	CITATIONS
73	Structural characterization of a protein adsorbed on aluminum hydroxide adjuvant in vaccine formulation. <i>Npj Vaccines</i> , 2019, 4, 20.	6.0	23
74	Pseudocontact shifts and paramagnetic susceptibility in semiempirical and quantum chemistry theories. <i>Journal of Chemical Physics</i> , 2019, 150, 144101.	3.0	19
75	Dissecting the Interactions between Human Serum Albumin and $\hat{\pm}$ -Synuclein: New Insights on the Factors Influencing $\hat{\pm}$ -Synuclein Aggregation in Biological Fluids. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4380-4386.	2.6	25
76	NMR for sample quality assessment in metabolomics. <i>New Biotechnology</i> , 2019, 52, 25-34.	4.4	49
77	Bimodal Fluorescence-Magnetic Resonance Contrast Agent for Apoptosis Imaging. <i>Journal of the American Chemical Society</i> , 2019, 141, 6224-6233.	13.7	111
78	The metabolic fingerprints of HCV and HBV infections studied by Nuclear Magnetic Resonance Spectroscopy. <i>Scientific Reports</i> , 2019, 9, 4128.	3.3	36
79	Reviewing the Crystal Structure of S100Z and Other Members of the S100 Family: Implications in Calcium-Regulated Quaternary Structure. <i>Methods in Molecular Biology</i> , 2019, 1929, 487-499.	0.9	5
80	Nanoparticles for the multivalent presentation of a TnThr mimetic and as tool for solid state NMR coating investigation. <i>Pure and Applied Chemistry</i> , 2019, 91, 1471-1478.	1.9	3
81	Fast and Quantitative NMR Metabolite Analysis Afforded by a Paramagnetic Co $\hat{\pm}$ Solute. <i>Angewandte Chemie</i> , 2019, 131, 15427-15430.	2.0	7
82	Uniqueness of the NMR approach to metabolomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115300.	11.4	103
83	Characterization of PEGylated Asparaginase: New Opportunities from NMR Analysis of Large PEGylated Therapeutics. <i>Chemistry - A European Journal</i> , 2019, 25, 1984-1991.	3.3	32
84	NMR-based metabolomics identifies patients at high risk of death within two years after acute myocardial infarction in the AMI-Florence II cohort. <i>BMC Medicine</i> , 2019, 17, 3.	5.5	66
85	Joint X-ray/NMR structure refinement of multidomain/multisubunit systems. <i>Journal of Biomolecular NMR</i> , 2019, 73, 265-278.	2.8	16
86	Metabolic Signature of Primary Biliary Cholangitis and Its Comparison with Celiac Disease. <i>Journal of Proteome Research</i> , 2019, 18, 1228-1236.	3.7	26
87	Metal centers in biomolecular solid-state NMR. <i>Journal of Structural Biology</i> , 2019, 206, 99-109.	2.8	10
88	Non-crystallographic symmetry in proteins: Jahn $\hat{\pm}$ Teller-like and Butterfly-like effects?. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 91-101.	2.6	2
89	Understanding Overhauser Dynamic Nuclear Polarisation through NMR relaxometry. <i>Molecular Physics</i> , 2019, 117, 888-897.	1.7	15
90	Plasma and urinary metabolomic profiles of Down syndrome correlate with alteration of mitochondrial metabolism. <i>Scientific Reports</i> , 2018, 8, 2977.	3.3	80

#	ARTICLE	IF	CITATIONS
91	HTS by NMR for the Identification of Potent and Selective Inhibitors of Metalloenzymes. ACS Medicinal Chemistry Letters, 2018, 9, 137-142.	2.8	16
92	Mechanistic Insights into Polyion Complex Associations. Macromolecules, 2018, 51, 1427-1440.	4.8	9
93	Metabolomics in breast cancer: A decade in review. Cancer Treatment Reviews, 2018, 67, 88-96.	7.7	87
94	Engineering α -asparaginase for spontaneous formation of calcium phosphate bioinspired microreactors. Physical Chemistry Chemical Physics, 2018, 20, 12719-12726.	2.8	9
95	Effect of Magnetic Coupling on Water Proton Relaxivity in a Series of Transition Metal Gd ^{III} Complexes. Inorganic Chemistry, 2018, 57, 5810-5819.	4.0	11
96	Age and Sex Effects on Plasma Metabolite Association Networks in Healthy Subjects. Journal of Proteome Research, 2018, 17, 97-107.	3.7	66
97	Enriching the biological space of natural products and charting drug metabolites, through real time biotransformation monitoring: The NMR tube bioreactor. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1-8.	2.4	8
98	nmrML: A Community Supported Open Data Standard for the Description, Storage, and Exchange of NMR Data. Analytical Chemistry, 2018, 90, 649-656.	6.5	50
99	Long-range paramagnetic NMR data can provide a closer look on metal coordination in metalloproteins. Journal of Biological Inorganic Chemistry, 2018, 23, 71-80.	2.6	22
100	¹ H NMR Spectroscopy of [FeFe] Hydrogenase: Insight into the Electronic Structure of the Active Site. Journal of the American Chemical Society, 2018, 140, 131-134.	13.7	9
101	Assessing protein conformational landscapes: integration of DEER data in Maximum Occurrence analysis. Physical Chemistry Chemical Physics, 2018, 20, 27429-27438.	2.8	20
102	Fingerprinting Acute Digestive Diseases by Untargeted NMR Based Metabolomics. International Journal of Molecular Sciences, 2018, 19, 3288.	4.1	12
103	Protein Glycosylation through Sulfur Fluoride Exchange (SuFEx) Chemistry: The Key Role of a Fluorosulfate Thiolactoside. Chemistry - A European Journal, 2018, 24, 18981-18987.	3.3	17
104	Sarcolab pilot study into skeletal muscle's adaptation to long-term spaceflight. Npj Microgravity, 2018, 4, 18.	3.7	62
105	Cancer cell death induced by ferritins and the peculiar role of their labile iron pool. Oncotarget, 2018, 9, 27974-27984.	1.8	12
106	Dependence of apparent diffusion coefficient measurement on diffusion gradient direction and spatial position – A quality assurance intercomparison study of forty-four scanners for quantitative diffusion-weighted imaging. Physica Medica, 2018, 55, 135-141.	0.7	30
107	Local and Global Dynamics in Intrinsically Disordered Synuclein. Angewandte Chemie - International Edition, 2018, 57, 15262-15266.	13.8	49
108	Lokale und globale Dynamik im ungeordneten Synuklein-Protein. Angewandte Chemie, 2018, 130, 15482-15486.	2.0	0

#	ARTICLE	IF	CITATIONS
109	NMR Spectroscopy and Metal Ions in Life Sciences. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4752-4770.	2.0	9
110	Simultaneous Targeting of RGD-Integrins and Dual Murine Double Minute Proteins in Glioblastoma Multiforme. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4791-4809.	6.4	22
111	Aggregation kinetics of the A β 1-40 peptide monitored by NMR. <i>Chemical Communications</i> , 2018, 54, 7601-7604.	4.1	29
112	NMR metabolomic fingerprinting distinguishes milk from different farms. <i>Food Research International</i> , 2018, 113, 131-139.	6.2	39
113	Breathomics for Assessing the Effects of Treatment and Withdrawal With Inhaled Beclomethasone/Formoterol in Patients With COPD. <i>Frontiers in Pharmacology</i> , 2018, 9, 258.	3.5	25
114	Paramagnetic NMR as a new tool in structural biology. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 19-28.	2.6	8
115	Paradoxically, Most Flexible Ligand Binds Most Entropy-Favored: Intriguing Impact of Ligand Flexibility and Solvation on Drug-Kinase Binding. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5922-5933.	6.4	36
116	NMR Consequences of the Nucleus-Electron Spin Interactions. <i>New Developments in NMR</i> , 2018, , 1-41.	0.1	6
117	KODAMA: an R package for knowledge discovery and data mining. <i>Bioinformatics</i> , 2017, 33, 621-623.	4.1	33
118	Serum Metabolomic Profiles Identify ER-Positive Early Breast Cancer Patients at Increased Risk of Disease Recurrence in a Multicenter Population. <i>Clinical Cancer Research</i> , 2017, 23, 1422-1431.	7.0	65
119	Identification of productive and futile encounters in an electron transfer protein complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1840-E1847.	7.1	51
120	One-thousand-fold enhancement of high field liquid nuclear magnetic resonance signals at room temperature. <i>Nature Chemistry</i> , 2017, 9, 676-680.	13.6	77
121	NMR-based metabolomic approach to study urine samples of chronic inflammatory rheumatic disease patients. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1405-1413.	3.7	28
122	Plasma and Serum Metabolite Association Networks: Comparability within and between Studies Using NMR and MS Profiling. <i>Journal of Proteome Research</i> , 2017, 16, 2547-2559.	3.7	43
123	Paramagnetic Properties of a Crystalline Iron-Sulfur Protein by Magic-Angle Spinning NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2017, 56, 6624-6629.	4.0	19
124	Gelified Biofluids for High-Resolution Magic Angle Spinning ¹ H NMR Analysis: The Case of Urine. <i>Analytical Chemistry</i> , 2017, 89, 1054-1058.	6.5	5
125	Regulation of HuR structure and function by dihydrotanshinone-I. <i>Nucleic Acids Research</i> , 2017, 45, 9514-9527.	14.5	64
126	Characterization of the Conjugation Pattern in Large Polysaccharide-Protein Conjugates by NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14997-15001.	13.8	21

#	ARTICLE	IF	CITATIONS
127	Characterization of the Conjugation Pattern in Large Polysaccharide-Protein Conjugates by NMR Spectroscopy. <i>Angewandte Chemie</i> , 2017, 129, 15193-15197.	2.0	3
128	Computer-Aided Identification and Lead Optimization of Dual Murine Double Minute 2 and 4 Binders: Structure-Activity Relationship Studies and Pharmacological Activity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8115-8130.	6.4	19
129	High-Resolution Solid-State NMR Characterization of Ligand Binding to a Protein Immobilized in a Silica Matrix. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8094-8101.	2.6	17
130	De-escalating and escalating treatment beyond endocrine therapy in patients with luminal breast cancer. <i>Breast</i> , 2017, 34, S13-S18.	2.2	6
131	The hyperfine shift. , 2017, , 25-60.		7
132	The effect of partial orientation: residual dipolar couplings. , 2017, , 61-76.		0
133	High resolution solid-state NMR in paramagnetic molecules. , 2017, , 127-150.		4
134	Chemical exchange, chemical equilibria, and dynamics. , 2017, , 151-173.		1
135	Paramagnetic restraints for structure and dynamics of biomolecules. , 2017, , 277-312.		0
136	Transition metal ions: shift and relaxation. , 2017, , 175-253.		7
137	Magnetic coupled systems. , 2017, , 347-381.		3
138	Hints on experimental techniques. , 2017, , 383-456.		2
139	Lanthanoids and actinoids: shift and relaxation. , 2017, , 255-276.		4
140	Relaxometry and contrast agents for MRI. , 2017, , 313-345.		2
141	Deconvoluting interrelationships between concentrations and chemical shifts in urine provides a powerful analysis tool. <i>Nature Communications</i> , 2017, 8, 1662.	12.8	48
142	Atomic structural details of a protein grafted onto gold nanoparticles. <i>Scientific Reports</i> , 2017, 7, 17934.	3.3	24
143	Perspectives on paramagnetic NMR from a life sciences infrastructure. <i>Journal of Magnetic Resonance</i> , 2017, 282, 154-169.	2.1	21
144	Evidence of a DHA Signature in the Lipidome and Metabolome of Human Hepatocytes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 359.	4.1	66

#	ARTICLE	IF	CITATIONS
145	Extreme Hypoxic Conditions Induce Selective Molecular Responses and Metabolic Reset in Detached Apple Fruit. <i>Frontiers in Plant Science</i> , 2016, 7, 146.	3.6	48
146	Solidâ€State NMR of PEGylated Proteins. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2446-2449.	13.8	41
147	Solidâ€State NMR of PEGylated Proteins. <i>Angewandte Chemie</i> , 2016, 128, 2492-2495.	2.0	12
148	Quality assurance multicenter comparison of different MR scanners for quantitative diffusion-weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 213-219.	3.4	67
149	Basic facts and perspectives of Overhauser DNP NMR. <i>Journal of Magnetic Resonance</i> , 2016, 264, 78-87.	2.1	50
150	Atomicâ€Level Quality Assessment of Enzymes Encapsulated in Bioinspired Silica. <i>Chemistry - A European Journal</i> , 2016, 22, 425-432.	3.3	25
151	Individual Human Metabolic Phenotype Analyzed by ¹ H NMR of Saliva Samples. <i>Journal of Proteome Research</i> , 2016, 15, 1787-1793.	3.7	38
152	Activeâ€Site Targeting Paramagnetic Probe for Matrix Metalloproteinases. <i>ChemPlusChem</i> , 2016, 81, 1333-1338.	2.8	2
153	Nanodiamondâ€Gadolinium(III) Aggregates for Tracking Cancer Growth In Vivo at High Field. <i>Nano Letters</i> , 2016, 16, 7551-7564.	9.1	60
154	Entropy-Based Network Representation of the Individual Metabolic Phenotype. <i>Journal of Proteome Research</i> , 2016, 15, 3298-3307.	3.7	23
155	A protocol for the refinement of NMR structures using simultaneously pseudocontact shift restraints from multiple lanthanide ions. <i>Journal of Biomolecular NMR</i> , 2016, 66, 175-185.	2.8	10
156	Pseudoâ€Contact NMR Shifts over the Paramagnetic Metalloprotein CoMMPâ€12 from First Principles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14713-14717.	13.8	51
157	Pseudoâ€Contact NMR Shifts over the Paramagnetic Metalloprotein CoMMPâ€12 from First Principles. <i>Angewandte Chemie</i> , 2016, 128, 14933-14937.	2.0	14
158	¹ H-detected solid-state NMR of proteins entrapped in bioinspired silica: a new tool for biomaterials characterization. <i>Scientific Reports</i> , 2016, 6, 27851.	3.3	22
159	Bilayer Membrane Modulation of Membrane Type 1 Matrix Metalloproteinase (MT1-MMP) Structure and Proteolytic Activity. <i>Scientific Reports</i> , 2016, 6, 29511.	3.3	13
160	Biosilica and bioinspired silica studied by solid-state NMR. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 110-122.	18.8	23
161	Metabolomics in Breast Cancer: Current Status and Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2016, 882, 217-234.	1.6	28
162	How to tackle protein structural data from solution and solid state: An integrated approach. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2016, 92-93, 54-70.	7.5	27

#	ARTICLE	IF	CITATIONS
163	Improved Accuracy from Joint X-ray and NMR Refinement of a Protein-RNA Complex Structure. <i>Journal of the American Chemical Society</i> , 2016, 138, 1601-1610.	13.7	22
164	A critical assessment of methods to recover information from averaged data. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5686-5701.	2.8	70
165	Recommendations and Standardization of Biomarker Quantification Using NMR-Based Metabolomics with Particular Focus on Urinary Analysis. <i>Journal of Proteome Research</i> , 2016, 15, 360-373.	3.7	122
166	Inter-helical conformational preferences of HIV-1 TAR-RNA from maximum occurrence analysis of NMR data and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5743-5752.	2.8	15
167	Biosilica-Entrapped Enzymes Studied by Using Dynamic Nuclear Polarization-Enhanced High-Field NMR Spectroscopy. <i>ChemPhysChem</i> , 2015, 16, 2751-2754.	2.1	30
168	Differences in Dynamics between Crosslinked and Non-Crosslinked Hyaluronates Measured by using Fast Field-Cycling Relaxometry. <i>ChemPhysChem</i> , 2015, 16, 2803-2809.	2.1	19
169	Facing and Overcoming Sensitivity Challenges in Biomolecular NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9162-9185.	13.8	258
170	The Da Vinci European BioBank: A Metabolomics-Driven Infrastructure. <i>Journal of Personalized Medicine</i> , 2015, 5, 107-119.	2.5	9
171	Accurate, Fully-Automated NMR Spectral Profiling for Metabolomics. <i>PLoS ONE</i> , 2015, 10, e0124219.	2.5	206
172	COordination of Standards in MetabOlomicS (COSMOS): facilitating integrated metabolomics data access. <i>Metabolomics</i> , 2015, 11, 1587-1597.	3.0	140
173	Serum metabolomic profiles evaluated after surgery may identify patients with oestrogen receptor negative early breast cancer at increased risk of disease recurrence. Results from a retrospective study. <i>Molecular Oncology</i> , 2015, 9, 128-139.	4.6	82
174	Probabilistic Networks of Blood Metabolites in Healthy Subjects As Indicators of Latent Cardiovascular Risk. <i>Journal of Proteome Research</i> , 2015, 14, 1101-1111.	3.7	45
175	Standardizing the experimental conditions for using urine in NMR-based metabolomic studies with a particular focus on diagnostic studies: a review. <i>Metabolomics</i> , 2015, 11, 872-894.	3.0	196
176	FANTEN: a new web-based interface for the analysis of magnetic anisotropy-induced NMR data. <i>Journal of Biomolecular NMR</i> , 2015, 61, 21-34.	2.8	39
177	NMR of sedimented, fibrillized, silica-entrapped and microcrystalline (metallo)proteins. <i>Journal of Magnetic Resonance</i> , 2015, 253, 60-70.	2.1	22
178	NMR fingerprinting as a tool to evaluate post-harvest time-related changes of peaches, tomatoes and plums. <i>Food Research International</i> , 2015, 75, 106-114.	6.2	12
179	Allostasis and Resilience of the Human Individual Metabolic Phenotype. <i>Journal of Proteome Research</i> , 2015, 14, 2951-2962.	3.7	58
180	The impact of free or standardized lifestyle and urine sampling protocol on metabolome recognition accuracy. <i>Genes and Nutrition</i> , 2015, 10, 441.	2.5	29

#	ARTICLE	IF	CITATIONS
181	High Relaxivity Gd(III)â€DNA Gold Nanostars: Investigation of Shape Effects on Proton Relaxation. ACS Nano, 2015, 9, 3385-3396.	14.6	108
182	The effect of Gd on trityl-based dynamic nuclear polarisation in solids. Physical Chemistry Chemical Physics, 2015, 17, 26969-26978.	2.8	28
183	Information content of long-range NMR data for the characterization of conformational heterogeneity. Journal of Biomolecular NMR, 2015, 62, 353-371.	2.8	19
184	Metabolomic fingerprint of severe obesity is dynamically affected by bariatric surgery in a procedure-dependent manner. American Journal of Clinical Nutrition, 2015, 102, 1313-1322.	4.7	96
185	Of Monkeys and Men: A Metabolomic Analysis of Static and Dynamic Urinary Metabolic Phenotypes in Two Species. PLoS ONE, 2014, 9, e106077.	2.5	22
186	G-triplex structure and formation propensity. Nucleic Acids Research, 2014, 42, 13393-13404.	14.5	71
187	The competitive world of RAS biology. Nature Chemical Biology, 2014, 10, 173-174.	8.0	1
188	Long-Range Correlated Dynamics in Intrinsically Disordered Proteins. Journal of the American Chemical Society, 2014, 136, 16201-16209.	13.7	77
189	Metabolomic profile of term infants of gestational diabetic mothers. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 537-542.	1.5	46
190	Metabolomic does not predict response to cardiac resynchronization therapy in patients with heart failure. Journal of Cardiovascular Medicine, 2014, 15, 295-300.	1.5	13
191	A Metabolomic Perspective on Coeliac Disease. Autoimmune Diseases, 2014, 2014, 1-13.	0.6	26
192	Can metal ion complexes be used as polarizing agents for solution DNP? A theoretical discussion. Journal of Biomolecular NMR, 2014, 58, 239-249.	2.8	13
193	Global metabolomics characterization of bacteria: pre-analytical treatments and profiling. Metabolomics, 2014, 10, 241-249.	3.0	20
194	Phenotyping COPD by 1H NMR metabolomics of exhaled breath condensate. Metabolomics, 2014, 10, 302-311.	3.0	66
195	Topical Developments in Highâ€Field Dynamic Nuclear Polarization. Israel Journal of Chemistry, 2014, 54, 207-221.	2.3	40
196	Knowledge discovery by accuracy maximization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5117-5122.	7.1	40
197	Simultaneous use of solution NMR and X-ray data in <i>REFMAC</i> 5 for joint refinement/detection of structural differences. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 958-967.	2.5	45
198	High-field liquid state NMR hyperpolarization: a combined DNP/NMRD approach. Physical Chemistry Chemical Physics, 2014, 16, 18781-18787.	2.8	39

#	ARTICLE	IF	CITATIONS
199	SSNMR of biosilica-entrapped enzymes permits an easy assessment of preservation of native conformation in atomic detail. <i>Chemical Communications</i> , 2014, 50, 421-423.	4.1	40
200	Dynamic Nuclear Polarization of ¹ H, ¹³ C, and ⁵⁹ Co in a Tris(ethylenediamine)cobalt(III) Crystalline Lattice Doped with Cr(III). <i>Journal of the American Chemical Society</i> , 2014, 136, 11716-11727.	13.7	64
201	Exploring Regions of Conformational Space Occupied by Two-Domain Proteins. <i>Journal of Physical Chemistry B</i> , 2014, 118, 10576-10587.	2.6	26
202	Gd(III)-Labeled Peptide Nanofibers for Reporting on Biomaterial Localization <i>in Vivo</i> . <i>ACS Nano</i> , 2014, 8, 7325-7332.	14.6	50
203	DNP-Enhanced MAS NMR of Bovine Serum Albumin Sediments and Solutions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2957-2965.	2.6	36
204	Insights into Domain–Domain Motions in Proteins and RNA from Solution NMR. <i>Accounts of Chemical Research</i> , 2014, 47, 3118-3126.	15.6	39
205	Solid-state NMR studies of metal-free SOD1 fibrillar structures. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 659-666.	2.6	5
206	Biological inorganic chemists pay tribute to Ivano Bertini. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 487-489.	2.6	0
207	Telomerase activated thymidine analogue pro-drug is a new molecule targeting hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2014, 61, 1064-1072.	3.7	10
208	Mechanisms of Gadographene-Mediated Proton Spin Relaxation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16263-16273.	3.1	25
209	Solution structure and dynamics of human S100A14. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 183-194.	2.6	18
210	SedNMR: On the Edge between Solution and Solid-State NMR. <i>Accounts of Chemical Research</i> , 2013, 46, 2059-2069.	15.6	62
211	Conformational freedom of metalloproteins revealed by paramagnetism-assisted NMR. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2652-2667.	18.8	41
212	Practical considerations over spectral quality in solid state NMR spectroscopy of soluble proteins. <i>Journal of Biomolecular NMR</i> , 2013, 57, 155-166.	2.8	36
213	SedNMR: a web tool for optimizing sedimentation of macromolecular solutes for SSNMR. <i>Journal of Biomolecular NMR</i> , 2013, 57, 319-326.	2.8	13
214	Formation Kinetics and Structural Features of Beta–Amyloid Aggregates by Sedimented Solute NMR. <i>ChemBioChem</i> , 2013, 14, 1891-1897.	2.6	38
215	NMR crystallography on paramagnetic systems: solved and open issues. <i>CrystEngComm</i> , 2013, 15, 8639.	2.6	43
216	The G–C Triplex DNA. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2269-2273.	13.8	133

#	ARTICLE	IF	CITATIONS
217	Metabolomic fingerprint of heart failure in humans: A nuclear magnetic resonance spectroscopy analysis. <i>International Journal of Cardiology</i> , 2013, 168, e113-e115.	1.7	59
218	Experimental Determination of Microsecond Reorientation Correlation Times in Protein Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3548-3553.	2.6	42
219	Liquid state DNP of water at 9.2 T: an experimental access to saturation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6049.	2.8	71
220	Molecular Determinants of a Selective Matrix Metalloprotease-12 Inhibitor: Insights from Crystallography and Thermodynamic Studies. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1149-1159.	6.4	37
221	Dynamic Nuclear Polarization of Sedimented Solutes. <i>Journal of the American Chemical Society</i> , 2013, 135, 1641-1644.	13.7	56
222	Unraveling Hidden Regulatory Sites in Structurally Homologous Metalloproteases. <i>Journal of Molecular Biology</i> , 2013, 425, 2330-2346.	4.2	52
223	Discovery of a New Class of Potent MMP Inhibitors by Structure-Based Optimization of the Arylsulfonamide Scaffold. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 565-569.	2.8	18
224	Effects of Intra- and Post-Operative Ischemia on the Metabolic Profile of Clinical Liver Tissue Specimens Monitored by NMR. <i>Journal of Proteome Research</i> , 2013, 12, 5723-5729.	3.7	39
225	Examination of Matrix Metalloproteinase-1 in Solution. <i>Journal of Biological Chemistry</i> , 2013, 288, 30659-30671.	3.4	68
226	Targeting Matrix Metalloproteinases: Design of a Bifunctional Inhibitor for Presentation by Tumour-Associated Galectins. <i>Chemistry - A European Journal</i> , 2013, 19, 1896-1902.	3.3	19
227	Water and Protein Dynamics in Sedimented Systems: A Relaxometric Investigation. <i>ChemPhysChem</i> , 2013, 14, 3156-3161.	2.1	20
228	Metabolomic NMR Fingerprinting to Identify and Predict Survival of Patients with Metastatic Colorectal Cancer. <i>Cancer Research</i> , 2012, 72, 356-364.	0.9	181
229	Metabolomics for the future of personalized medicine through information and communication technologies. <i>Personalized Medicine</i> , 2012, 9, 133-136.	1.5	4
230	MaxOcc: a web portal for maximum occurrence analysis. <i>Journal of Biomolecular NMR</i> , 2012, 53, 271-280.	2.8	36
231	On the use of ultracentrifugal devices for sedimented solute NMR. <i>Journal of Biomolecular NMR</i> , 2012, 54, 123-127.	2.8	48
232	NMR characterization of the C-terminal tail of full-length RAGE in a membrane mimicking environment. <i>Journal of Biomolecular NMR</i> , 2012, 54, 285-290.	2.8	7
233	NMR properties of sedimented solutes. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 439-447.	2.8	47
234	Overhauser DNP with ¹⁵ N labelled FrÃ©my's salt at 0.35 Tesla. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 502-510.	2.8	25

#	ARTICLE	IF	CITATIONS
235	Structural Basis for Matrix Metalloproteinase 1-Catalyzed Collagenolysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 2100-2110.	13.7	105
236	Solid-State NMR Crystallography through Paramagnetic Restraints. <i>Journal of the American Chemical Society</i> , 2012, 134, 5006-5009.	13.7	69
237	Exploration of serum metabolomic profiles and outcomes in women with metastatic breast cancer: A pilot study. <i>Molecular Oncology</i> , 2012, 6, 437-444.	4.6	73
238	Targeting Metabolomics in Breast Cancer. <i>Current Breast Cancer Reports</i> , 2012, 4, 249-256.	1.0	5
239	In vitro fermentation of potential prebiotic flours from natural sources: Impact on the human colonic microbiota and metabolome. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1342-1352.	3.3	55
240	Paramagnetic relaxation enhancement for the characterization of the conformational heterogeneity in two-domain proteins. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9149.	2.8	40
241	The catalytic domain of MMP-1 studied through tagged lanthanides. <i>FEBS Letters</i> , 2012, 586, 557-567.	2.8	45
242	A Highly Soluble Matrix Metalloproteinase-9 Inhibitor for Potential Treatment of Dry Eye Syndrome. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 111, 289-295.	2.5	14
243	Maximum occurrence analysis of protein conformations for different distributions of paramagnetic metal ions within flexible two-domain proteins. <i>Journal of Magnetic Resonance</i> , 2012, 215, 85-93.	2.1	15
244	Recognition Pliability Is Coupled to Structural Heterogeneity: A Calmodulin Intrinsically Disordered Binding Region Complex. <i>Structure</i> , 2012, 20, 522-533.	3.3	51
245	Dynamic nuclear polarization at high magnetic fields in liquids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2012, 64, 4-28.	7.5	162
246	A Modular System for the Synthesis of Multiplexed Magnetic Resonance Probes. <i>Journal of the American Chemical Society</i> , 2011, 133, 5329-5337.	13.7	126
247	NMR Characterization of a Fibril-Ready State of Demetalated Wild-Type Superoxide Dismutase. <i>Journal of the American Chemical Society</i> , 2011, 133, 345-349.	13.7	12
248	Acycloguanosyl 5 ^β -thymidyltriphosphate, a Thymidine Analogue Prodrug Activated by Telomerase, Reduces Pancreatic Tumor Growth in Mice. <i>Gastroenterology</i> , 2011, 140, 709-720.e9.	1.3	10
249	Are Patients with Potential Celiac Disease Really Potential? The Answer of Metabonomics. <i>Journal of Proteome Research</i> , 2011, 10, 714-721.	3.7	64
250	High-Field Dynamic Nuclear Polarization with High-Spin Transition Metal Ions. <i>Journal of the American Chemical Society</i> , 2011, 133, 5648-5651.	13.7	119
251	The Cardiovascular Risk of Healthy Individuals Studied by NMR Metabonomics of Plasma Samples. <i>Journal of Proteome Research</i> , 2011, 10, 4983-4992.	3.7	69
252	Uncovering the metabolomic fingerprint of breast cancer. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 1010-1020.	2.8	77

#	ARTICLE	IF	CITATIONS
253	A New Structural Model of α 1(I) Fibrils. <i>Journal of the American Chemical Society</i> , 2011, 133, 16013-16022.	13.7	289
254	Unexpected interactions. <i>Nature</i> , 2011, 470, 469-470.	27.8	2
255	Standard operating procedures for pre-analytical handling of blood and urine for metabolomic studies and biobanks. <i>Journal of Biomolecular NMR</i> , 2011, 49, 231-243.	2.8	285
256	Narrowing the conformational space sampled by two-domain proteins with paramagnetic probes in both domains. <i>Journal of Biomolecular NMR</i> , 2011, 51, 253-263.	2.8	42
257	Structural characterization of human S100A16, a low-affinity calcium binder. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 243-256.	2.6	18
258	Moving the frontiers in solution and solid-state bioNMR. <i>Coordination Chemistry Reviews</i> , 2011, 255, 649-663.	18.8	28
259	Identification of a serum-detectable metabolomic fingerprint potentially correlated with the presence of micrometastatic disease in early breast cancer patients at varying risks of disease relapse by traditional prognostic methods. <i>Annals of Oncology</i> , 2011, 22, 1295-1301.	1.2	83
260	Solid-state NMR of proteins sedimented by ultracentrifugation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10396-10399.	7.1	163
261	NMR in structural proteomics and beyond. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2010, 56, 247-266.	7.5	35
262	Structure-based approach to nanomolar, water soluble matrix metalloproteinases inhibitors (MMPi). <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5919-5925.	5.5	30
263	Entropic Contribution to the Linking Coefficient in Fragment Based Drug Design: A Case Study. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4285-4289.	6.4	70
264	Conformational Space of Flexible Biological Macromolecules from Average Data. <i>Journal of the American Chemical Society</i> , 2010, 132, 13553-13558.	13.7	155
265	Water ^1H relaxation dispersion analysis on a nitroxide radical provides information on the maximal signal enhancement in Overhauser dynamic nuclear polarization experiments. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5902.	2.8	78
266	High-Resolution Solid-State NMR Structure of a 17.6 kDa Protein. <i>Journal of the American Chemical Society</i> , 2010, 132, 1032-1040.	13.7	117
267	Ultrafast MAS Solid-State NMR Permits Extensive ^{13}C and ^1H Detection in Paramagnetic Metalloproteins. <i>Journal of the American Chemical Society</i> , 2010, 132, 5558-5559.	13.7	109
268	Interdomain Flexibility in Full-length Matrix Metalloproteinase-1 (MMP-1). <i>Journal of Biological Chemistry</i> , 2009, 284, 12821-12828.	3.4	73
269	Characterisation of the MMP-1-Elastin Adduct. <i>Chemistry - A European Journal</i> , 2009, 15, 7842-7845.	3.3	13
270	Solution structure and dynamics of S100A5 in the apo and Ca^{2+} -bound states. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 1097-1107.	2.6	25

#	ARTICLE	IF	CITATIONS
271	¹ H and ¹³ C Dynamic Nuclear Polarization in Aqueous Solution with a Two-Field (0.35 T/14 T) Shuttle DNP Spectrometer. <i>Journal of the American Chemical Society</i> , 2009, 131, 15086-15087.	13.7	57
272	Accurate Solution Structures of Proteins from X-ray Data and a Minimal Set of NMR Data: Calmodulin~Peptide Complexes As Examples. <i>Journal of the American Chemical Society</i> , 2009, 131, 5134-5144.	13.7	101
273	Biotin-Tagged Probes for MMP Expression and Activation: Design, Synthesis, and Binding Properties. <i>Bioconjugate Chemistry</i> , 2009, 20, 719-727.	3.6	10
274	Individual Human Phenotypes in Metabolic Space and Time. <i>Journal of Proteome Research</i> , 2009, 8, 4264-4271.	3.7	143
275	Global and Local Mobility of Apocalmodulin Monitored through Fast-Field Cycling Relaxometry. <i>Biophysical Journal</i> , 2009, 97, 1765-1771.	0.5	15
276	Structural Basis of Serine/Threonine Phosphatase Inhibition by the Archetypal Small Molecules Cantharidin and Norcantharidin. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4838-4843.	6.4	62
277	Does a Fast Nuclear Magnetic Resonance Spectroscopy- and X-Ray Crystallography Hybrid Approach Provide Reliable Structural Information of Ligand-Protein Complexes? A Case Study of Metalloproteinases. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1712-1722.	6.4	7
278	The Metabonomic Signature of Celiac Disease. <i>Journal of Proteome Research</i> , 2009, 8, 170-177.	3.7	160
279	Intra- and Interdomain Flexibility in Matrix Metalloproteinases: Functional Aspects and Drug Design. <i>Current Pharmaceutical Design</i> , 2009, 15, 3592-3605.	1.9	25
280	Nuclear Relaxometry Helps Designing Systems for Solution DNP on Proteins. <i>Applied Magnetic Resonance</i> , 2008, 34, 379.	1.2	34
281	Water-Based Ligand Screening for Paramagnetic Metalloproteins. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4533-4537.	13.8	21
282	Perspectives on NMR in drug discovery: a technique comes of age. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 738-745.	46.4	373
283	Perspectives in paramagnetic NMR of metalloproteins. <i>Dalton Transactions</i> , 2008, , 3782.	3.3	107
284	Evidence of Reciprocal Reorientation of the Catalytic and Hemopexin-Like Domains of Full-Length MMP-12. <i>Journal of the American Chemical Society</i> , 2008, 130, 7011-7021.	13.7	84
285	Field Dependent Dynamic Nuclear Polarization with Radicals in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2008, 130, 3254-3255.	13.7	117
286	Mechanistic Investigation of ¹²⁵ I-Galactosidase-Activated MR Contrast Agents. <i>Inorganic Chemistry</i> , 2008, 47, 56-68.	4.0	70
287	Evidence of different metabolic phenotypes in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1420-1424.	7.1	231
288	Paramagnetic shifts in solid-state NMR of proteins to elicit structural information. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17284-17289.	7.1	93

#	ARTICLE	IF	CITATIONS
289	The synthesis and <i>in vitro</i> testing of a zinc-activated MRI contrast agent. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13881-13886.	7.1	172
290	Essential Dynamics of Helices Provide a Functional Classification of EF-Hand Proteins. Journal of Proteome Research, 2007, 6, 4245-4255.	3.7	23
291	Paramagnetic Ions Provide Structural Restraints in Solid-State NMR of Proteins. Journal of the American Chemical Society, 2007, 129, 2218-2219.	13.7	85
292	Albumin Binding, Relaxivity, and Water Exchange Kinetics of the Diastereoisomers of MS-325, a Gadolinium(III)-Based Magnetic Resonance Angiography Contrast Agent. Inorganic Chemistry, 2007, 46, 6632-6639.	4.0	143
293	Collective Relaxation of Protein Protons at Very Low Magnetic Field: A New Window on Protein Dynamics and Aggregation. Journal of the American Chemical Society, 2007, 129, 1055-1064.	13.7	46
294	Paramagnetism-Based NMR Restraints Provide Maximum Allowed Probabilities for the Different Conformations of Partially Independent Protein Domains. Journal of the American Chemical Society, 2007, 129, 12786-12794.	13.7	124
295	Exploring the Subtleties of Drug-Receptor Interactions: The Case of Matrix Metalloproteinases. Journal of the American Chemical Society, 2007, 129, 2466-2475.	13.7	72
296	Solid-State NMR of Matrix Metalloproteinase 12: An Approach Complementary to Solution NMR. ChemBioChem, 2007, 8, 486-489.	2.6	40
297	Towards a Protocol for Solution Structure Determination of Copper(II) Proteins: the Case of CullZnII Superoxide Dismutase. ChemBioChem, 2007, 8, 1422-1429.	2.6	26
298	Fragment Docking to S100 Proteins Reveals a Wide Diversity of Weak Interaction Sites. ChemMedChem, 2007, 2, 1648-1654.	3.2	14
299	Coordination of three and four Cu(I) to the β^1 and β^2 -domain of vertebrate Zn-metallothionein-1, respectively, induces significant structural changes. FEBS Journal, 2007, 274, 2349-2362.	4.7	23
300	Protonless NMR Experiments for Sequence-Specific Assignment of Backbone Nuclei in Unfolded Proteins. Journal of the American Chemical Society, 2006, 128, 3918-3919.	13.7	176
301	Four-Dimensional Protein Structures: Examples from Metalloproteins. Accounts of Chemical Research, 2006, 39, 909-917.	15.6	33
302	Monomorphism of human cytochrome c. Genomics, 2006, 88, 669-672.	2.9	10
303	¹³ C Direct Detected NMR Increases the Detectability of Residual Dipolar Couplings. Journal of the American Chemical Society, 2006, 128, 15042-15043.	13.7	61
304	SPINE bioinformatics and data-management aspects of high-throughput structural biology. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1184-1195.	2.5	19
305	NMR in the SPINE Structural Proteomics project. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 1150-1161.	2.5	12
306	An Italian contribution to structural genomics: Understanding metalloproteins. Coordination Chemistry Reviews, 2006, 250, 1419-1450.	18.8	14

#	ARTICLE	IF	CITATIONS
307	EF-hand protein dynamics and evolution of calcium signal transduction: an NMR view. <i>Journal of Biological Inorganic Chemistry</i> , 2006, 11, 949-962.	2.6	56
308	A Structural and Dynamic Characterization of the EF-Hand Protein CLSP. <i>Structure</i> , 2006, 14, 1029-1038.	3.3	18
309	Snapshots of the Reaction Mechanism of Matrix Metalloproteinases. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7952-7955.	13.8	98
310	A High-Affinity Carbohydrate-Containing Inhibitor of Matrix Metalloproteinases. <i>ChemMedChem</i> , 2006, 1, 598-601.	3.2	28
311	Efficient determination of the most favoured orientations of protein domains from paramagnetic NMR data. <i>Inverse Problems</i> , 2006, 22, 1485-1502.	2.0	34
312	NMR Spectroscopic Detection of Protein Protons and Longitudinal Relaxation Rates between 0.01 and 50 MHz. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2223-2225.	13.8	34
313	NMR Spectroscopic Detection of Protein Protons and Longitudinal Relaxation Rates between 0.01 and 50 MHz. <i>Angewandte Chemie</i> , 2005, 117, 2263-2265.	2.0	4
314	NMR Spectroscopy of Paramagnetic Metalloproteins. <i>ChemBioChem</i> , 2005, 6, 1536-1549.	2.6	289
315	EPR analysis of multiple forms of [4Fe-4S] ³⁺ clusters in HiPIPs. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 417-424.	2.6	19
316	Backbone and Side-chains ¹ H, ¹³ C and ¹⁵ N NMR Assignment of Human β 2-parvalbumin. <i>Journal of Biomolecular NMR</i> , 2005, 33, 137-137.	2.8	9
317	¹ H NMRD PROFILES OF PARAMAGNETIC COMPLEXES AND METALLOPROTEINS. <i>Advances in Inorganic Chemistry</i> , 2005, 57, 105-172.	1.0	69
318	The crystal structure of yeast copper thionein: The solution of a long-lasting enigma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 51-56.	7.1	146
319	Conformational variability of matrix metalloproteinases: Beyond a single 3D structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5334-5339.	7.1	143
320	Principal Component Analysis of the Conformational Freedom within the EF-Hand Superfamily. <i>Journal of Proteome Research</i> , 2005, 4, 1961-1971.	3.7	28
321	Combining in Silico Tools and NMR Data To Validate Protein-Ligand Structural Models: Application to Matrix Metalloproteinases. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7544-7559.	6.4	45
322	From The Cover: Experimentally exploring the conformational space sampled by domain reorientation in calmodulin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6841-6846.	7.1	209
323	Paramagnetism-Based Restraints for Xplor-NIH. <i>Journal of Biomolecular NMR</i> , 2004, 28, 249-261.	2.8	119
324	NMR-validated structural model for oxidized <i>Rhodospseudomonas palustris</i> cytochrome c 556. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 224-230.	2.6	24

#	ARTICLE	IF	CITATIONS
325	13C-13C NOESY: A constructive use of 13C-13C spin-diffusion. <i>Journal of Biomolecular NMR</i> , 2004, 30, 245-251.	2.8	34
326	Paramagnetic Metal Ions in Ligand Screening: The Coll Matrix Metalloproteinase 12. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2254-2256.	13.8	54
327	A Heteronuclear Direct-Detection NMR Spectroscopy Experiment for Protein-Backbone Assignment. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2257-2259.	13.8	52
328	Direct Measurement of Dynamic Frequency Shift Induced by Cross-Correlations in 15N-Enriched Proteins. <i>ChemPhysChem</i> , 2004, 5, 959-965.	2.1	8
329	Backbone-Only Protein Solution Structures with a Combination of Classical and Paramagnetism-Based Constraints: A Method that Can Be Scaled to Large Molecules. <i>ChemPhysChem</i> , 2004, 5, 797-806.	2.1	30
330	Persistent contrast enhancement by sterically stabilized paramagnetic liposomes in murine melanoma. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 669-672.	3.0	52
331	Solution Structure of Human \hat{I}^2 -Parvalbumin and Structural Comparison with Its Paralog \hat{I}^{\pm} -Parvalbumin and with Their Rat Orthologs. <i>Biochemistry</i> , 2004, 43, 16076-16085.	2.5	29
332	Bioinformatic Comparison of Structures and Homology-Models of Matrix Metalloproteinases. <i>Journal of Proteome Research</i> , 2004, 3, 21-31.	3.7	35
333	Energetics and Mechanism of Ca ²⁺ Displacement by Lanthanides in a Calcium Binding Protein. <i>Biochemistry</i> , 2004, 43, 9320-9331.	2.5	19
334	Paramagnetism-Based Refinement Strategy for the Solution Structure of Human \hat{I}^{\pm} -Parvalbumin. <i>Biochemistry</i> , 2004, 43, 5562-5573.	2.5	32
335	Direct Carbon Detection in Paramagnetic Metalloproteins To Further Exploit Pseudocontact Shift Restraints. <i>Journal of the American Chemical Society</i> , 2004, 126, 10496-10497.	13.7	38
336	Crystal Structure of the Catalytic Domain of Human Matrix Metalloproteinase 10. <i>Journal of Molecular Biology</i> , 2004, 336, 707-716.	4.2	49
337	Water Accessibility, Aggregation, and Motional Features of Polysaccharide-Protein Conjugate Vaccines. <i>Biophysical Journal</i> , 2004, 86, 3-9.	0.5	16
338	A use of Ramachandran potentials in protein solution structure determinations. <i>Journal of Biomolecular NMR</i> , 2003, 26, 355-366.	2.8	26
339	Structural basis for sequential displacement of Ca ²⁺ by Yb ³⁺ in a protozoan EF-hand calcium binding protein. <i>Protein Science</i> , 2003, 12, 412-425.	7.6	13
340	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 2777-2780.	2.0	9
341	The Magnetic Properties of Myoglobin as Studied by NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2003, 9, 2316-2322.	3.3	45
342	X-ray Structures of Binary and Ternary Enzyme-Product-Inhibitor Complexes of Matrix Metalloproteinases. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2673-2676.	13.8	41

#	ARTICLE	IF	CITATIONS
343	A simple protocol to study blue copper proteins by NMR. <i>FEBS Journal</i> , 2003, 270, 600-609.	0.2	14
344	Tuning the Affinity for Lanthanides of Calcium Binding Proteins. <i>Biochemistry</i> , 2003, 42, 8011-8021.	2.5	96
345	A Strategy for the NMR Characterization of Type II Copper(II) Proteins: The Case of the Copper Trafficking Protein CopC from <i>Pseudomonas Syringae</i> . <i>Journal of the American Chemical Society</i> , 2003, 125, 7200-7208.	13.7	98
346	Electronic Isomerism in Oxidized High-Potential Iron-Sulfur Proteins Revisited. <i>ACS Symposium Series</i> , 2003, , 272-286.	0.5	6
347	<i>Thermotoga maritima</i> IscU. Structural Characterization and Dynamics of a New Class of Metallochaperone. <i>Journal of Molecular Biology</i> , 2003, 331, 907-924.	4.2	57
348	Application of NMRD to Hydration of Rubredoxin and a Variant Containing a (Cys-S) ₃ Fe(III)(OH) Site. <i>Biophysical Journal</i> , 2003, 84, 545-551.	0.5	9
349	The Cu(I) ₇ cluster in yeast copper thionein survives major shortening of the polypeptide backbone as deduced from electronic absorption, circular dichroism, luminescence and ¹ H NMR. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 353-359.	2.6	13
350	Nuclear Spin Relaxation in Paramagnetic Systems: Electron Spin Relaxation Effects under Near-Redfield Limit Conditions and Beyond. <i>Journal of Physical Chemistry A</i> , 2002, 106, 7376-7382.	2.5	40
351	Mechanistic Studies of a Calcium-Dependent MRI Contrast Agent. <i>Inorganic Chemistry</i> , 2002, 41, 4018-4024.	4.0	166
352	Lanthanide Modulation of the Orientation of Macromolecules Induced by Purple Membrane. <i>Journal of the American Chemical Society</i> , 2002, 124, 374-375.	13.7	12
353	¹⁵ N NMR Mobility Study on the Dicalcium P43M Calbindin D9k and Its Mono-La ³⁺ -Substituted Form. <i>Biochemistry</i> , 2002, 41, 5104-5111.	2.5	19
354	Paramagnetically Induced Residual Dipolar Couplings for Solution Structure Determination of Lanthanide Binding Proteins. <i>Journal of the American Chemical Society</i> , 2002, 124, 5581-5587.	13.7	86
355	Redox-Related Chemical Shift Perturbations on Backbone Nuclei of High-Potential Iron-Sulfur Proteins. <i>Inorganic Chemistry</i> , 2002, 41, 1679-1683.	4.0	8
356	Detecting Small Structural Changes in Metalloproteins by the Use of NMR Pseudocontact Shifts. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 2121-2127.	2.0	6
357	Paramagnetic constraints: An aid for quick solution structure determination of paramagnetic metalloproteins. <i>Concepts in Magnetic Resonance</i> , 2002, 14, 259-286.	1.3	112
358	Chemical shift-based constraints for solution structure determination of paramagnetic low-spin heme proteins with bis-His and His-CN axial ligands: the cases of oxidized cytochrome b ₅ and Met80Ala cyano-cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 416-426.	2.6	27
359	Solution structure of the unbound, oxidized Photosystem I subunit PsaC, containing [4Fe-4S] clusters FA and FB: a conformational change occurs upon binding to Photosystem I. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 461-472.	2.6	32
360	Browsing gene banks for Fe ₂ S ₂ ferredoxins and structural modeling of 88 plant-type sequences: An analysis of fold and function. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 46, 110-127.	2.6	55

#	ARTICLE	IF	CITATIONS
361	Magnetic susceptibility in paramagnetic NMR. Progress in Nuclear Magnetic Resonance Spectroscopy, 2002, 40, 249-273.	7.5	431
362	Solvent ¹ H NMRD study of biotinylated paramagnetic liposomes containing Gd-bis-SDA-DTPA or Gd-DMPE-DTPA. Inorganica Chimica Acta, 2002, 331, 151-157.	2.4	38
363	A paramagnetic probe to localize residues next to carboxylates on protein surfaces. Journal of Biological Inorganic Chemistry, 2002, 7, 617-622.	2.6	24
364	Dynamics of wild-type HiPIPs: a Cys77Ser mutant and a partially unfolded HiPIP. Journal of Biological Inorganic Chemistry, 2002, 7, 691-703.	2.6	10
365	Efficiency of paramagnetism-based constraints to determine the spatial arrangement of alpha-helical secondary structure elements. Journal of Biomolecular NMR, 2002, 22, 123-136.	2.8	27
366	Structure-independent cross-validation between residual dipolar couplings originating from internal and external orienting media. Journal of Biomolecular NMR, 2002, 22, 365-368.	2.8	14
367	Cross correlation rates between Curie spin and dipole-dipole relaxation in paramagnetic proteins: the case of cerium substituted calbindin D9k. Journal of Biomolecular NMR, 2002, 23, 115-125.	2.8	40
368	An NMR method for studying the kinetics of metal exchange in biomolecular systems. Journal of Biomolecular NMR, 2002, 23, 303-309.	2.8	7
369	Magnetic Susceptibility Tensor Anisotropies for a Lanthanide Ion Series in a Fixed Protein Matrix. Journal of the American Chemical Society, 2001, 123, 4181-4188.	13.7	183
370	The First Solution Structure of a Paramagnetic Copper(II) Protein: The Case of Oxidized Plastocyanin from the Cyanobacterium Synechocystis PCC6803. Journal of the American Chemical Society, 2001, 123, 2405-2413.	13.7	65
371	Solvent ¹ H NMRD Study of Hexaaquochromium(III): Inferences on Hydration and Electron Relaxation. Inorganic Chemistry, 2001, 40, 4030-4035.	4.0	25
372	Redox-Dependent Hydration of Cytochrome c and Cytochrome b ₅ Studied through ¹⁷ O NMRD. Journal of the American Chemical Society, 2001, 123, 12925-12926.	13.7	8
373	Paramagnetic Probes in Metalloproteins. Methods in Enzymology, 2001, 339, 314-340.	1.0	68
374	Comparison and characterization of the [Fe ₄ S ₄] ^{2+/3+} centre in the wild-type and C77S mutated HiPIPs from Chromatium vinosum monitored by Mössbauer, ⁵⁷ Fe ENDOR and EPR spectroscopies. Journal of Biological Inorganic Chemistry, 2001, 6, 232-246.	2.6	11
375	Solution Structure Calculations through Self-Orientation in a Magnetic Field of a Cerium(III) Substituted Calcium-Binding Protein. Journal of Magnetic Resonance, 2001, 148, 23-30.	2.1	44
376	Development of NMR Instrumentation to Achieve Excitation of Large Bandwidths in High-Resolution Spectra at High Field. Journal of Magnetic Resonance, 2001, 150, 161-166.	2.1	12
377	Cross Correlation between the Dipole-Dipole Interaction and the Curie Spin Relaxation: The Effect of Anisotropic Magnetic Susceptibility. Journal of Magnetic Resonance, 2001, 152, 103-108.	2.1	43
378	Locating the Metal Ion in Calcium-Binding Proteins by Using Cerium(III) as a Probe. ChemBioChem, 2001, 2, 550-558.	2.6	66

#	ARTICLE	IF	CITATIONS
379	A Calix[4]arene GdIII Complex Endowed with High Stability, Relaxivity, and Binding Affinity to Serum Albumin. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4737-4739.	13.8	41
380	Paramagnetism-based versus classical constraints: an analysis of the solution structure of Ca Ln calbindin D9k. <i>Journal of Biomolecular NMR</i> , 2001, 21, 85-98.	2.8	101
381	Backbone Dynamics of Plastocyanin in Both Oxidation States. <i>Journal of Biological Chemistry</i> , 2001, 276, 47217-47226.	3.4	50
382	Model-free analysis of a thermophilic Fe7S8 protein compared with a mesophilic Fe4S4 protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 41, 75-85.	2.6	10
383	Sulfonamide-Functionalized Gadolinium DTPA Complexes as Possible Contrast Agents for MRI: A Relaxometric Investigation. , 2000, 2000, 625-630.		64
384	¹ H NMRD profiles of diamagnetic proteins: a model-free analysis. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 543-550.	1.9	60
385	Concentration dependence of ¹³ C NMR spectra of triglycerides: implications for the NMR analysis of olive oils. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 886-890.	1.9	40
386	Protein Hydration and Location of Water Molecules in Oxidized Horse Heart Cytochrome c by ¹ H NMR. <i>Journal of Magnetic Resonance</i> , 2000, 147, 1-8.	2.1	28
387	A Refined Model for [Fe3S4]0 Clusters in Proteins. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3620-3622.	13.8	22
388	Hyperfine Shifts in Low-Spin Iron(III) Hemes: A Ligand Field Analysis. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 2473-2480.	2.0	25
389	The use of propionate δ -proton contact shifts as structural constraints. <i>Inorganica Chimica Acta</i> , 2000, 297, 199-205.	2.4	4
390	High resolution solution structure of the protein part of Cu7 metallothionein. <i>FEBS Journal</i> , 2000, 267, 1008-1018.	0.2	49
391	Lanthanide induced residual dipolar couplings for the conformational investigation of peripheral ¹⁵ NH2 moieties. <i>Journal of Biomolecular NMR</i> , 2000, 18, 347-355.	2.8	27
392	Paramagnetic ¹ H NMR spectroscopy of the reduced, unbound Photosystem I subunit PsaC: sequence-specific assignment of contact-shifted resonances and identification of mixed-and equal-valence Fe-Fe pairs in [4Fe-4S] centers FA δ and FB δ . <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 381-392.	2.6	26
393	¹⁵ N chemical shift changes in cytochrome δ 5: redox-dependent vs. guanidinium chloride-induced changes. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 761-764.	2.6	15
394	Bond-Mediated Electron Tunneling in Ruthenium-Modified High-Potential Iron δ -Sulfur Protein. <i>Journal of the American Chemical Society</i> , 2000, 122, 4532-4533.	13.7	70
395	Partial Orientation of Cytochrome c in a Lyotropic Liquid Crystal: δ Residual ¹ H Dipolar Coupling. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10653-10658.	2.6	11
396	The CrIII Reduction of [2Fe-2S] Ferredoxins and Site of Attachment of CrIII Using ¹ H NMR and Site-Directed Mutagenesis. <i>Inorganic Chemistry</i> , 2000, 39, 1755-1764.	4.0	4

#	ARTICLE	IF	CITATIONS
397	Lanthanide-Induced Pseudocontact Shifts for Solution Structure Refinements of Macromolecules in Shells up to 40 Å... from the Metal Ion. <i>Journal of the American Chemical Society</i> , 2000, 122, 4154-4161.	13.7	212
398	Structural Information through NMR Hyperfine Shifts in Blue Copper Proteins. <i>Journal of the American Chemical Society</i> , 2000, 122, 3701-3707.	13.7	95
399	The use of the Electron-Nucleus Hyperfine Interaction for Solution Structure Determination. , 2000, , 1-17.		0
400	Nuclear spin relaxation in paramagnetic complexes of S=1: Electron spin relaxation effects. <i>Journal of Chemical Physics</i> , 1999, 111, 5795-5807.	3.0	93
401	New applications of paramagnetic NMR in chemical biology. <i>Current Opinion in Chemical Biology</i> , 1999, 3, 145-151.	6.1	39
402	Ab initio solution and refinement of two high-potential iron protein structures at atomic resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1773-1784.	2.5	36
403	Acyl positional distribution of glycerol tri-esters in vegetable oils: a ¹³ C NMR study. <i>Chemistry and Physics of Lipids</i> , 1999, 103, 47-55.	3.2	76
404	Heme methyl ¹ H chemical shifts as structural parameters in some low-spin ferriheme proteins. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 515-519.	2.6	98
405	Experimental evidence for the role of buried polar groups in determining the reduction potential of metalloproteins: the S79P variant of Chromatium vinosum HiPIP. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 692-700.	2.6	16
406	Simultaneous interpretation of Mössbauer, EPR and ⁵⁷ Fe ENDOR spectra of the [Fe ₄ S ₄] cluster in the high-potential iron protein I Ectothiorhodospira halophila. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 727-741.	2.6	20
407	Iron-sulfur interconversions in the anaerobic ribonucleotide reductase from Escherichia coli. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 614-620.	2.6	24
408	Non-ionic bulky Gd(III) DTPA-bisamide complexes as potential contrast agents for magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 767-773.	3.0	44
409	High-Field NMR Studies of Oxidized Blue Copper Proteins: The Case of Spinach Plastocyanin. <i>Journal of the American Chemical Society</i> , 1999, 121, 2037-2046.	13.7	105
410	Structural and Dynamical Properties of a Partially Unfolded Fe ₄ S ₄ Protein: Role of the Cofactor in Protein Folding. <i>Biochemistry</i> , 1999, 38, 4669-4680.	2.5	38
411	NMR Characterization of Substrate Binding in the Phthalate Dioxygenase System. <i>Biochemistry</i> , 1999, 38, 11051-11061.	2.5	20
412	Probing Structural and Electronic Properties of the Oxidized [Fe ₄ S ₄] ³⁺ Cluster of Ectothiorhodospira halophila Iso-II High-Potential Iron-Sulfur Protein by ENDOR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1999, 121, 1925-1935.	13.7	36
413	NMR Spectra of Iron-Sulfur Proteins. <i>Advances in Inorganic Chemistry</i> , 1999, 47, 251-282.	1.0	14
414	Isolation and characterization of cytochrome c ₂ from Rhodospseudomonas palustris. <i>Inorganica Chimica Acta</i> , 1998, 269, 125-134.	2.4	12

#	ARTICLE	IF	CITATIONS
415	Folding properties of iron-sulfur proteins. <i>Inorganica Chimica Acta</i> , 1998, 283, 12-16.	2.4	8
416	PSEUDYANA for NMR structure calculation of paramagnetic metalloproteins using torsion angle molecular dynamics. <i>Journal of Biomolecular NMR</i> , 1998, 12, 553-557.	2.8	65
417	Selective versus non-selective T1 experiments to determine metal-nucleus distances in paramagnetic metalloproteins. <i>Inorganica Chimica Acta</i> , 1998, 275-276, 373-379.	2.4	5
418	The solution structure of parsley [2Fe-2S]ferredoxin. <i>FEBS Journal</i> , 1998, 258, 465-477.	0.2	26
419	Solution structure of an artificial Fe ₈ S ₈ ferredoxin : the D13C variant of <i>Bacillus schlegelii</i> Fe ₇ S ₈ ferredoxin. <i>FEBS Journal</i> , 1998, 258, 502-514.	0.2	11
420	Nuclear and Electron Relaxation in Magnetic Exchange Coupled Dimers: Implications for NMR Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1998, 130, 33-44.	2.1	22
421	High Magnetic Field Consequences on the NMR Hyperfine Shifts in Solution. <i>Journal of Magnetic Resonance</i> , 1998, 134, 360-364.	2.1	23
422	Off-resonance experiments and contrast agents to improve magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 124-131.	3.0	18
423	NMR and Spin Relaxation in Dimers. <i>Accounts of Chemical Research</i> , 1998, 31, 351-361.	15.6	42
424	Solution Structure of the Oxidized Fe ₇ S ₈ Ferredoxin from the Thermophilic Bacterium <i>Bacillus schlegelii</i> by ¹ H NMR Spectroscopy. <i>Biochemistry</i> , 1998, 37, 9812-9826.	2.5	48
425	² H NMR Investigation of [Fe ₃ S ₄]O Cluster in 7Fe ₈ S Ferredoxin from <i>Bacillus schlegelii</i> . <i>Inorganic Chemistry</i> , 1998, 37, 969-972.	4.0	14
426	Analysis of the Temperature Dependence of the ¹ H and ¹³ C Isotropic Shifts of Horse Heart Ferricytochrome c: A Explanation of Curie and Anti-Curie Temperature Dependence and Nonlinear Pseudocontact Shifts in a Common Two-Level Framework. <i>Journal of the American Chemical Society</i> , 1998, 120, 8472-8479.	13.7	64
427	¹ H NMR Study of the Reduced Cytochrome c from <i>Rhodospseudomonas palustris</i> Containing a High-Spin Iron(II) Heme Moiety. <i>Inorganic Chemistry</i> , 1998, 37, 4814-4821.	4.0	19
428	NMR of FeS Proteins. <i>ACS Symposium Series</i> , 1998, , 302-313.	0.5	0
429	Partial Orientation of Oxidized and Reduced Cytochrome b ₅ at High Magnetic Fields: A Magnetic Susceptibility Anisotropy Contributions and Consequences for Protein Solution Structure Determination. <i>Journal of the American Chemical Society</i> , 1998, 120, 12903-12909.	13.7	110
430	Coordination sphere versus protein environment as determinants of electronic and functional properties of iron-sulfur proteins. <i>Structure and Bonding</i> , 1998, , 127-160.	1.0	44
431	Water-protein interaction in native and partially unfolded equine cytochrome c. <i>Molecular Physics</i> , 1998, 95, 797-808.	1.7	21
432	Solution structure of reduced <i>Clostridium pasteurianum</i> rubredoxin. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 401.	2.6	30

#	ARTICLE	IF	CITATIONS
433	Characterization of a Partially Unfolded High Potential Iron Protein. <i>Biochemistry</i> , 1997, 36, 9332-9339.	2.5	66
434	¹ H and ¹³ C NMR Studies of an Oxidized HiPIP. <i>Inorganic Chemistry</i> , 1997, 36, 4798-4803.	4.0	27
435	An NMR Study of the 7Fe-8S Ferredoxin from <i>Rhodospseudomonas palustris</i> and Reinterpretation of Data on Similar Systems. <i>Biochemistry</i> , 1997, 36, 3570-3579.	2.5	37
436	Electronic and Geometric Structure of the CuA Site Studied by ¹ H NMR in a Soluble Domain of Cytochrome c Oxidase from <i>Paracoccus denitrificans</i> . <i>Journal of the American Chemical Society</i> , 1997, 119, 11023-11027.	13.7	45
437	Characterization of the Unbound 2[Fe4S4]-Ferredoxin-Like Photosystem I Subunit PsaC from the Cyanobacterium <i>Synechococcus elongatus</i> . <i>Biochemistry</i> , 1997, 36, 13629-13637.	2.5	23
438	Solution Structure of the Paramagnetic Complex of the N-Terminal Domain of Calmodulin with Two Ce ³⁺ Ions by ¹ H NMR. <i>Biochemistry</i> , 1997, 36, 11605-11618.	2.5	93
439	NMR and Electronic Relaxation in Paramagnetic Dicopper(II) Compounds. <i>Journal of the American Chemical Society</i> , 1997, 119, 2156-2162.	13.7	97
440	Solution Structure of Oxidized Horse Heart Cytochrome c. <i>Biochemistry</i> , 1997, 36, 9867-9877.	2.5	290
441	The D ¹³ C variant of <i>Bacillus schlegelii</i> 7Fe ferredoxin is an 8Fe ferredoxin as revealed by ¹ H-NMR spectroscopy. <i>FEBS Letters</i> , 1997, 412, 501-505.	2.8	10
442	ePHOGSY experiments on a paramagnetic protein: location of the catalytic water molecule in the heme crevice of the oxidized form of horse heart cytochrome c. <i>FEBS Letters</i> , 1997, 415, 45-48.	2.8	30
443	Are unit charges always negligible?. <i>Journal of Biological Inorganic Chemistry</i> , 1997, 2, 114-118.	2.6	37
444	Pseudocontact shifts as constraints for energy minimization and molecular dynamics calculations on solution structures of paramagnetic metalloproteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997, 29, 68-76.	2.6	99
445	Paramagnetic relaxation as a tool for solution structure determination: <i>Clostridium pasteurianum</i> ferredoxin as an example. , 1997, 29, 348-358.		71
446	Pseudocontact shifts as constraints for energy minimization and molecular dynamics calculations on solution structures of paramagnetic metalloproteins. , 1997, 29, 68.		1
447	Three-Dimensional Structure of the Reduced C77S Mutant of the <i>Chromatium vinosum</i> High-Potential Iron-Sulfur Protein through Nuclear Magnetic Resonance: A Comparison with the Solution Structure of the Wild-Type Protein. <i>Biochemistry</i> , 1996, 35, 5928-5936.	2.5	38
448	A Serine to Cysteine Ligand Mutation in the High Potential Iron-Sulfur Protein from <i>Chromatium vinosum</i> Provides Insight into the Electronic Structure of the [4Fe-S ₄] Cluster. <i>Journal of the American Chemical Society</i> , 1996, 118, 75-80.	13.7	69
449	Structural and Dynamic Information on Double-Decker Yb ³⁺ and Dy ³⁺ Porphyrin Complexes in Solution through ¹ H NMR. <i>Inorganic Chemistry</i> , 1996, 35, 6308-6315.	4.0	33
450	The CuA Center of a Soluble Domain from <i>Thermus</i> Cytochrome ba ₃ . An NMR Investigation of the Paramagnetic Protein. <i>Journal of the American Chemical Society</i> , 1996, 118, 11658-11659.	13.7	78

#	ARTICLE	IF	CITATIONS
451	Individual Reduction Potentials of the Iron Ions in Fe ₂ S ₂ and High-Potential Fe ₄ S ₄ Ferredoxins. <i>Inorganic Chemistry</i> , 1996, 35, 4248-4253.	4.0	46
452	Chapter 8 considerations on high resolution solid state NMR in paramagnetic molecules. <i>Coordination Chemistry Reviews</i> , 1996, 150, 221-242.	18.8	24
453	Experimental data and calculated parameters in FeS polymetallic centers in proteins. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 183-185.	2.6	9
454	The influence of a surface charge on the electronic and steric structure of a high potential iron-sulfur protein. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 257-263.	2.6	12
455	NMRD studies on phthalate dioxygenase: evidence for displacement of water on binding substrate. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 468-475.	2.6	12
456	¹ H NMR studies of the Fe ₇ S ₈ ferredoxin from <i>Bacillus schlegelii</i> : a further attempt to understand Fe ₃ S ₄ clusters. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 523-528.	2.6	24
457	Paramagnetic NMR Analysis of the Seven-Iron Ferredoxin from the Hyperthermoacidophilic Archaeon <i>Desulfurolobus ambivalens</i> Reveals Structural Similarity to other Di-cluster Ferredoxins. <i>FEBS Journal</i> , 1996, 236, 92-99.	0.2	24
458	¹ H NMR of High-Potential Iron-Sulfur Protein from the Purple Non-Sulfur Bacterium <i>Rhodospirillum rubrum</i> . <i>FEBS Journal</i> , 1996, 236, 405-411.	0.2	14
459	The Solution Structure Refinement of the Paramagnetic Reduced High-Potential Iron-Sulfur Protein I from <i>Ectothiorhodospira halophila</i> by Using Stable Isotope Labeling and Nuclear Relaxation. <i>FEBS Journal</i> , 1996, 241, 440-452.	0.2	69
460	The solution structure of paramagnetic metalloproteins. <i>Progress in Biophysics and Molecular Biology</i> , 1996, 66, 43-80.	2.9	66
461	A complete relaxation matrix refinement of the solution structure of a paramagnetic metalloprotein: Reduced HiPIP I from <i>Ectothiorhodospira halophila</i> . , 1996, 24, 158-164.		22
462	From NOESY Cross Peaks to Structural Constraints in a Paramagnetic Metalloprotein. <i>Magnetic Resonance in Chemistry</i> , 1996, 34, 948-950.	1.9	16
463	Evaluation of paramagnetic relaxation rates in a J-coupled two-spin system. <i>Chemical Physics Letters</i> , 1996, 250, 495-504.	2.6	4
464	An exchange coupling model for the Fe ₄ S ₃ ⁺ polymetallic center present in high potential iron-sulfur proteins. <i>Inorganica Chimica Acta</i> , 1996, 243, 91-99.	2.4	23
465	A complete relaxation matrix refinement of the solution structure of a paramagnetic metalloprotein: Reduced HiPIP I from <i>Ectothiorhodospira halophila</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 1996, 24, 158-164.	2.6	2
466	The Electronic Structure of the Fe ₄ S ₃ ⁺ Cluster in Proteins: The Importance of Double Exchange Parameter. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1995, 50, 75-80.	1.5	16
467	Solution Structure of the Oxidized [2Fe-4S] Ferredoxin from <i>Clostridium Pasteurianum</i> . <i>FEBS Journal</i> , 1995, 232, 192-205.	0.2	86
468	The Solution Structure of Oxidized HiPIP I from <i>Ectothiorhodospira halophila</i> ; Can NMR Spectroscopy Be Used to Probe Rearrangements Associated with Electron Transfer Processes?. <i>Chemistry - A European Journal</i> , 1995, 1, 598-607.	3.3	30

#	ARTICLE	IF	CITATIONS
469	A Computer Program for the Calculation of Paramagnetic Enhancements of Nuclear-Relaxation Rates in Slowly Rotating Systems. <i>Journal of Magnetic Resonance Series A</i> , 1995, 113, 151-158.	1.6	116
470	Rationalization of the reduction potentials within the series of the high potential iron-sulfur proteins. <i>Inorganica Chimica Acta</i> , 1995, 240, 251-256.	2.4	23
471	Polymetallic hydrolytic zinc enzymes. Probing the site of nuclease P1 through cobalt(II) substitution. <i>Inorganica Chimica Acta</i> , 1995, 234, 9-11.	2.4	3
472	A theoretical analysis of the ¹ H nuclear magnetic relaxation dispersion profiles of diferric transferrin. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14217-14222.	2.9	26
473	The electronic structure of FeS centers in proteins and models a contribution to the understanding of their electron transfer properties. <i>Structure and Bonding</i> , 1995, , 1-53.	1.0	91
474	Paramagnetic NMR spectroscopy and coordination structure of cobalt(II) Cys112Asp azurin. <i>Inorganic Chemistry</i> , 1995, 34, 737-742.	4.0	67
475	Sequence-Specific Assignment of Ligand Cysteine Protons of Oxidized, Recombinant HiPIP I from <i>Ectothiorhodospira halophila</i> . <i>Inorganic Chemistry</i> , 1995, 34, 2516-2523.	4.0	40
476	The three-dimensional solution structure of the reduced high-potential iron-sulfur protein from <i>Chromatium vinosum</i> through NMR. <i>Biochemistry</i> , 1995, 34, 206-219.	2.5	80
477	Three-Dimensional Solution Structure of the Oxidized High Potential Iron-Sulfur Protein from <i>Chromatium vinosum</i> through NMR. Comparative Analysis with the Solution Structure of the Reduced Species. <i>Biochemistry</i> , 1995, 34, 9851-9858.	2.5	64
478	Oxidized and Reduced [Fe ₂ Q ₂] (Q = S, Se) Cores of Spinach Ferredoxin: a Comparative Study Using ¹ H NMR Spectroscopy. <i>Inorganic Chemistry</i> , 1995, 34, 417-420.	4.0	12
479	Magnetic Resonance of Fe-S Clusters: Isolation and Characterization of a 7Fe Ferredoxin from <i>Rhodospseudomonas palustris</i> . <i>Archives of Biochemistry and Biophysics</i> , 1995, 320, 149-154.	3.0	12
480	Evidence of Histidine Coordination to the Catalytic Ferrous Ion in the Ring-Cleaving 2,2,3-Trihydroxybiphenyl Dioxygenase from the Dibenzofuran-Degrading Bacterium <i>Sphingomonas</i> sp Strain RW1. <i>Biochemical and Biophysical Research Communications</i> , 1995, 215, 855-860.	2.1	19
481	Determination of the [Fe ₄ S ₄]Cys ₄ cluster geometry of <i>Desulfovibrio africanus</i> ferredoxin I by ¹ H NMR spectroscopy. <i>FEBS Letters</i> , 1995, 363, 199-204.	2.8	15
482	Carbonic Anhydrase: An Example of How the Cavity Governs the Reactivity at the Zinc Ion. <i>Comments on Inorganic Chemistry</i> , 1995, 17, 1-15.	5.2	9
483	New Approaches to NMR of Paramagnetic Molecules. , 1995, , 1-28.		5
484	Polymetallic macromolecules are potential contrast agents of improved efficiency. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 58-60.	3.0	16
485	NOE-NOESY, a Further Tool in NMR of Paramagnetic Metalloproteins. <i>Journal of Magnetic Resonance Series B</i> , 1994, 103, 278-283.	1.6	14
486	Paramagnetic Metal Centers in Proteins Investigated through Heterocorrelated NMR Spectroscopy. <i>Journal of Magnetic Resonance Series B</i> , 1994, 104, 95-98.	1.6	14

#	ARTICLE	IF	CITATIONS
487	Strategies of Signal Assignments in Paramagnetic Metalloproteins. An NMR Investigation of the Thiocyanate Adduct of the Cobalt(II)-Substituted Human Carbonic Anhydrase II. <i>Journal of Magnetic Resonance Series B</i> , 1994, 104, 230-239.	1.6	25
488	COSY spectra of paramagnetic macromolecules: Observability, scalar effects, cross-correlation effects, relaxation-allowed coherence transfer. <i>Concepts in Magnetic Resonance</i> , 1994, 6, 307-335.	1.3	39
489	Copper-zinc superoxide dismutase: A paramagnetic protein that provides a unique frame for the NMR investigation. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1994, 26, 91-139.	7.5	36
490	Sequence-specific assignment of the ¹ H and ¹⁵ N nuclear magnetic resonance spectra of the reduced recombinant high-potential iron-sulfur protein I from <i>Ectothiorhodospira halophila</i> . <i>FEBS Journal</i> , 1994, 225, 703-714.	0.2	25
491	The three-dimensional structure in solution of the paramagnetic high-potential iron-sulfur protein I from <i>Ectothiorhodospira halophila</i> through nuclear magnetic resonance. <i>FEBS Journal</i> , 1994, 225, 715-725.	0.2	99
492	X-Ray, NMR and Molecular Dynamics Studies on Reduced Bovine Superoxide Dismutase: Implications for the Mechanism. <i>Biochemical and Biophysical Research Communications</i> , 1994, 202, 1088-1095.	2.1	44
493	Influence of Surface Charges on Redox Properties in High Potential Iron-Sulfur Proteins. <i>Biochemical and Biophysical Research Communications</i> , 1994, 203, 436-442.	2.1	40
494	The iron-sulfur cluster (Fe ₄ S ₄) centers in ferredoxins studied through proton and carbon hyperfine coupling. Sequence-specific assignments of cysteines in ferredoxins from <i>Clostridium acidii urici</i> and <i>Clostridium pasteurianum</i> . <i>Journal of the American Chemical Society</i> , 1994, 116, 651-660.	13.7	147
495	Binding of Gadobenate Dimeglumine to Proteins Extravasated into Interstitial Space Enhances Conspicuity of Reperfused Infarcts. <i>Investigative Radiology</i> , 1994, 29, S50-S53.	6.2	33
496	[17] Two-dimensional nuclear magnetic resonance spectra of paramagnetic systems. <i>Methods in Enzymology</i> , 1994, 239, 485-514.	1.0	28
497	NMR and Unpaired Electrons in Biomolecules. , 1994, , 199-216.		0
498	Nuclear Magnetic Relaxation Dispersion Studies of Hexaaquo Mn(II) Ions in Water-Glycerol Mixtures. <i>Journal of Magnetic Resonance Series A</i> , 1993, 101, 198-201.	1.6	46
499	Are true scalar proton-proton connectivities ever measured in COSY spectra of paramagnetic macromolecules?. <i>Chemical Physics Letters</i> , 1993, 203, 445-449.	2.6	95
500	¹ H 3D NOE-NOE spectrum of met-cyanomyoglobin: The first 3D NMR spectrum of a paramagnetic protein. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, S3-S7.	1.9	5
501	Assignment of Pseudo-contact-shifted ¹ H NMR resonances in the EF site of Yb ³⁺ -substituted rabbit parvalbumin through a combination of 2D techniques and magnetic susceptibility tensor determination. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, S118-S127.	1.9	14
502	Relaxometry and paramagnetic metal ions in biological systems. <i>Magnetic Resonance in Chemistry</i> , 1993, 31, S145-S153.	1.9	9
503	A Mössbauer investigation of oxidized Fe ₄ S ₄ HiPIP II from <i>Ectothiorhodospira halophila</i> . <i>Journal of Inorganic Biochemistry</i> , 1993, 52, 227-234.	3.5	40
504	¹ H-NMR investigation of oxidized and reduced high-potential iron-sulfur protein from <i>Rhodopseudomonas globiformis</i> . <i>FEBS Journal</i> , 1993, 212, 69-78.	0.2	33

#	ARTICLE	IF	CITATIONS
505	A two-dimensional NMR study of Co(II) ₇ rabbit liver metallothionein. FEBS Journal, 1993, 211, 235-240.	0.2	21
506	Frontiers in 2D NMR of paramagnetic metalloproteins. Applied Magnetic Resonance, 1993, 4, 461-476.	1.2	6
507	The structure of iron-sulfur clusters in proteins as monitored by NMR, Mössbauer, EPR and molecular dynamics. Journal of Molecular Structure, 1993, 292, 207-219.	3.6	9
508	Nuclear and electron relaxation of hexaaquairon(3+). The Journal of Physical Chemistry, 1993, 97, 1134-1137.	2.9	47
509	Electronic structure of the [Fe ₄ Se ₄] ³⁺ clusters in <i>C. vinosum</i> HiPIP and <i>Ectothiorhodospira halophila</i> HiPIP II through NMR and EPR studies. Journal of the American Chemical Society, 1993, 115, 12020-12028.	13.7	26
510	The iron-sulfur cluster in the oxidized high-potential iron protein from <i>Ectothiorhodospira halophila</i> . Journal of the American Chemical Society, 1993, 115, 3431-3440.	13.7	69
511	Electron self-exchange in high-potential iron-sulfur proteins. Characterization of protein I from <i>Ectothiorhodospira vacuolata</i> . Biochemistry, 1993, 32, 12887-12893.	2.5	47
512	One- and two-dimensional NMR characterization of oxidized and reduced cytochrome c' from <i>Rhodocyclus gelatinosus</i> . Biochemistry, 1993, 32, 776-783.	2.5	35
513	The electronic structure of iron-sulfur [Fe ₄ S ₄] ³⁺ clusters in proteins. An investigation of the oxidized high-potential iron-sulfur protein II from <i>Ectothiorhodospira vacuolata</i> . Biochemistry, 1993, 32, 9387-9397.	2.5	86
514	NMR of Polymetallic Systems in Proteins. Biological Magnetic Resonance, 1993, , 357-420.	0.4	21
515	A multinuclear ligand NMR investigation of cyanide, cyanate, and thiocyanate binding to zinc and cobalt carbonic anhydrase. Inorganic Chemistry, 1992, 31, 3975-3979.	4.0	35
516	Two-dimensional proton NMR studies of the paramagnetic metalloenzyme copper-nickel superoxide dismutase. Inorganic Chemistry, 1992, 31, 4433-4435.	4.0	28
517	Molecular dynamics simulations on HiPIP from <i>Chromatium vinosum</i> and comparison with NMR data. Journal of the American Chemical Society, 1992, 114, 10683-10689.	13.7	33
518	Identification of the iron ions of high potential iron protein from <i>Chromatium vinosum</i> within the protein frame through two-dimensional NMR experiments. Journal of the American Chemical Society, 1992, 114, 3332-3340.	13.7	97
519	Electronic relaxation of the titanium(III) hexaaqua complex detected by solvent water proton-NMRD spectroscopy. Inorganic Chemistry, 1992, 31, 3152-3154.	4.0	16
520	The electron-nucleus coupling: A breakthrough in the investigation of paramagnetic metalloproteins. International Journal of Quantum Chemistry, 1992, 42, 1383-1396.	2.0	1
521	Evaluation of systematic exploitation of tolerance with respect to a declared nutrient content in the production of fertilizers. Fertilizer Research, 1992, 32, 45-53.	0.5	0
522	NMR is a unique and necessary step in the investigation of iron sulfur proteins: the HiPIP from <i>R. gelatinosus</i> as an example. Inorganica Chimica Acta, 1992, 198-200, 483-491.	2.4	29

#	ARTICLE	IF	CITATIONS
523	Solvent water ¹ H NMRD study of oxovanadium(IV) aquo ion. <i>Journal of Magnetic Resonance</i> , 1992, 99, 235-246.	0.5	3
524	Paramagnetism and dynamic properties of electrons and nuclei. <i>Coordination Chemistry Reviews</i> , 1992, 120, 281-307.	18.8	7
525	¹ H-NMR studies on partially and fully reduced 2(4Fe-4S) ferredoxin from <i>Clostridium pasteurianum</i> . <i>FEBS Journal</i> , 1992, 204, 831-839.	0.2	54
526	The interaction of acetate and formate with cobalt carbonic anhydrase. An NMR study. <i>FEBS Journal</i> , 1992, 208, 607-615.	0.2	23
527	Proton NMR spectroscopy and the electronic structure of the high potential iron-sulfur protein from <i>Chromatium vinosum</i> [Erratum to document cited in CA114(9):77229m]. <i>Journal of the American Chemical Society</i> , 1991, 113, 7084-7084.	13.7	20
528	Proton NMR spectra of oxidized high-potential iron-sulfur protein (HiPIP) from <i>Rhodocyclus gelatinosus</i> . A model for oxidized HiPIPs. <i>Inorganic Chemistry</i> , 1991, 30, 4517-4524.	4.0	70
529	Proton NMR spectroscopy and the electronic structure of the high potential iron-sulfur protein from <i>Chromatium vinosum</i> . <i>Journal of the American Chemical Society</i> , 1991, 113, 1237-1245.	13.7	111
530	² D ¹ H NMR studies of oxidized 2(Fe ₄ S ₄) ferredoxin from <i>Clostridium pasteurianum</i> . <i>FEBS Letters</i> , 1991, 289, 253-256.	2.8	44
531	Water proton relaxation rate enhancements as a function of magnetic field strength and nature and size of paramagnetic solutes. <i>Magnetic Resonance Imaging</i> , 1991, 9, 849-853.	1.8	3
532	Applications of COSY to paramagnetic heme-containing systems. <i>Journal of Magnetic Resonance</i> , 1991, 95, 244-252.	0.5	10
533	¹ H NOE studies of oxidized high potential iron sulfur protein II from <i>Ectothiorhodospira halophila</i> . <i>Inorganica Chimica Acta</i> , 1991, 180, 171-175.	2.4	29
534	Assignment of active-site protons in the ¹ H-NMR spectrum of reduced human Cu/Zn superoxide dismutase. <i>FEBS Journal</i> , 1991, 197, 691-697.	0.2	25
535	A new lipid component identified in avocado pear by GC-MS and NMR spectroscopy. <i>Chemistry and Physics of Lipids</i> , 1991, 60, 133-142.	3.2	2
536	Iron-Sulfur Proteins: An Insight into their Electronic Structure Through ¹ H NMR Spectroscopy. <i>Topics in Molecular Organization and Engineering</i> , 1991, , 73-90.	0.1	3
537	Spectroscopic studies on Cu ₂ Zn ₂ SOD: a continuous advancement of investigation tools. <i>Coordination Chemistry Reviews</i> , 1990, 100, 67-103.	18.8	120
538	¹ H-NMR and relaxometry of copper-containing dimers in proteins. <i>Biology of Metals</i> , 1990, 3, 146-150.	1.1	2
539	Double exchange versus J inequality in Fe ₃ S ₄ O clusters. <i>Inorganica Chimica Acta</i> , 1990, 175, 9-10.	2.4	18
540	¹³ C and ¹ H NMR studies of imidazole binding to native and Co(II)-substituted human carbonic anhydrase I. <i>Inorganica Chimica Acta</i> , 1990, 177, 133-139.	2.4	7

#	ARTICLE	IF	CITATIONS
541	The effect of magnetic anisotropy on the longitudinal nuclear relaxation time in paramagnetic systems. <i>Journal of Magnetic Resonance</i> , 1990, 89, 243-254.	0.5	5
542	Azide and chloride binding to carboxypeptidase A in the presence of L-phenylalanine. <i>Journal of Inorganic Biochemistry</i> , 1990, 39, 9-16.	3.5	8
543	The ¹ H NMR parameters of magnetically coupled dimers—The Fe ₂ S ₂ proteins as an example. , 1990, , 113-136.		87
544	Application of 2D NMR techniques to paramagnetic systems. <i>Inorganic Chemistry</i> , 1990, 29, 4351-4353.	4.0	24
545	Hydrogen-1 NOE and ligand field studies of copper-cobalt superoxide dismutase with anions. <i>Inorganic Chemistry</i> , 1990, 29, 4867-4873.	4.0	34
546	Investigation of copper-zinc superoxide dismutase Ser-137 and Ala-137 mutants. <i>Inorganic Chemistry</i> , 1990, 29, 2398-2403.	4.0	30
547	A comment on the proton NMR spectra of cobalt(II)-substituted superoxide dismutases with histidines deuteriated in the .epsilon.1-position. <i>Inorganic Chemistry</i> , 1990, 29, 1438-1440.	4.0	30
548	pK _a of zinc-bound water and nucleophilicity of hydroxo-containing species. Ab initio calculations on models for zinc enzymes. <i>Inorganic Chemistry</i> , 1990, 29, 1460-1463.	4.0	114
549	Proton NMR studies of the oxidized and partially reduced 2(4Fe-4S) ferredoxin from <i>Clostridium pasteurianum</i> . <i>Inorganic Chemistry</i> , 1990, 29, 1874-1880.	4.0	40
550	Transient versus steady state NOE in paramagnetic molecules Cu ₂ Co ₂ SOD as an example. <i>FEBS Letters</i> , 1990, 272, 175-180.	2.8	24
551	Water in the active cavity of copper/zinc superoxide dismutase. A water ¹ H-nuclear-magnetic-relaxation-dispersion study. <i>FEBS Journal</i> , 1989, 184, 125-129.	0.2	29
552	Proton NMR studies of the cobalt(II)-metallothionein system. <i>Journal of the American Chemical Society</i> , 1989, 111, 7296-7300.	13.7	48
553	Proton NOE studies on dicopper(II) dicobalt(II) superoxide dismutase. <i>Inorganic Chemistry</i> , 1989, 28, 4650-4656.	4.0	140
554	Copper(II) as a probe of the active centers of alkaline phosphatase. <i>Inorganic Chemistry</i> , 1989, 28, 352-358.	4.0	12
555	Relaxation of the electronic spin moment of copper(II)-macromolecular complexes in solution. <i>Journal of the American Chemical Society</i> , 1989, 111, 3532-3536.	13.7	26
556	An investigation of a human erythrocyte SOD modified at position 137. <i>Journal of the American Chemical Society</i> , 1989, 111, 714-719.	13.7	41
557	Proton NMR spectra of the Co ₄ S ₁₁ cluster in metallothioneins: a theoretical model. <i>Journal of the American Chemical Society</i> , 1989, 111, 7300-7303.	13.7	26
558	Active-site modification of superoxide dismutase by H ₂ O ₂ studied through ¹ H NMR of the cobalt derivatives. <i>Archives of Biochemistry and Biophysics</i> , 1989, 269, 586-594.	3.0	8

#	ARTICLE	IF	CITATIONS
559	[12] Proton magnetic resonance of paramagnetic metalloproteins. <i>Methods in Enzymology</i> , 1989, 177, 246-263.	1.0	17
560	¹³ C NMR studies of d- and l-phenylalanine binding to cobalt(II) carboxypeptidase A. <i>Journal of Inorganic Biochemistry</i> , 1988, 32, 1-6.	3.5	23
561	Characterization of copper-nickel and silver-nickel bovine superoxide dismutases by proton NMR spectroscopy. <i>Inorganic Chemistry</i> , 1988, 27, 4458-4463.	4.0	23
562	An investigation of superoxide dismutase Lys-143, Ile-143, and Glu-143 mutants: Cu ₂ Co ₂ SOD derivatives. <i>Journal of the American Chemical Society</i> , 1988, 110, 3629-3633.	13.7	59
563	Interaction of anions with the active site of carboxypeptidase A. <i>Biochemistry</i> , 1988, 27, 1050-1057.	2.5	40
564	Electronic relaxation of a copper(II) dimer in a macromolecular complex as evaluated from solvent proton relaxation. <i>Inorganic Chemistry</i> , 1988, 27, 951-953.	4.0	33
565	NMR of Paramagnetic Systems. <i>ACS Symposium Series</i> , 1988, , 70-84.	0.5	5
566	Nuclear magnetic resonance proton relaxation in bimetallic complexes containing cobalt(II). <i>Journal of the American Chemical Society</i> , 1987, 109, 5208-5212.	13.7	20
567	The influence of anions and inhibitors on the catalytic metal ion in Co(II)-substituted horse liver alcohol dehydrogenase. <i>European Biophysics Journal</i> , 1987, 14, 431-9.	2.2	12
568	A spectroscopic investigation of cobalt(II) substituted alkaline phosphatase. <i>Journal of Inorganic Biochemistry</i> , 1987, 30, 77-85.	3.5	4
569	NMR proton relaxation in bimetallic complexes of zinc(II), nickel(II), and copper(II). <i>Journal of the American Chemical Society</i> , 1986, 108, 3298-3303.	13.7	30
570	The electron-nucleus dipolar coupling in slow rotating systems. 4. The effect of zero-field splitting and hyperfine coupling when and. <i>Journal of Magnetic Resonance</i> , 1986, 66, 58-65.	0.5	13
571	Solvent Proton Nuclear Magnetic Relaxation Dispersion (NMRD) in Solutions of Paramagnetic Macromolecules. , 1986, , 165-195.		2
572	A theoretical investigation of the copper-super-oxide system. A model for the mechanism of copper-zinc superoxide dismutase. <i>Inorganica Chimica Acta</i> , 1985, 107, L21-L22.	2.4	14
573	Investigation of cobalt(II) substituted carboxypeptidase a interacting with azide and cyanate ions. <i>Inorganica Chimica Acta</i> , 1985, 107, 153-157.	2.4	8
574	¹ H NMRD studies of solutions of paramagnetic metal ions in ethyleneglycol. <i>Inorganica Chimica Acta</i> , 1985, 100, 173-181.	2.4	37
575	Nuclear spin relaxation in paramagnetic () systems. A comparison of two new theoretical approaches. <i>Journal of Magnetic Resonance</i> , 1985, 62, 235-241.	0.5	10
576	Spectral characterization of vanadium-transferrin systems. <i>Journal of Inorganic Biochemistry</i> , 1985, 25, 57-60.	3.5	15

#	ARTICLE	IF	CITATIONS
577	Solvent 1H NMRD of copper(II) complexes. <i>Chemical Physics Letters</i> , 1985, 118, 345-347.	2.6	8
578	Evidence of the breaking of the copper-imidazolate bridge in copper/cobalt-substituted superoxide dismutase upon reduction of the copper(II) centers. <i>Journal of the American Chemical Society</i> , 1985, 107, 2178-2179.	13.7	70
579	Magnetic relaxation of solvent protons by copper(2+)- and dioxovanadium(2+)-substituted transferrin: theoretical analysis and biochemical implications. <i>Biochemistry</i> , 1985, 24, 6287-6290.	2.5	32
580	Are there other acidic groups capable of affecting the electronic spectra of cobalt(II) substituted carbonic anhydrase?. <i>Inorganica Chimica Acta</i> , 1984, 91, 173-177.	2.4	6
581	A water 1H and 17O N.M.R. study on PHG-modified SOD. <i>Inorganica Chimica Acta</i> , 1984, 93, 51-53.	2.4	4
582	Differences between high activity bovine carbonic anhydrase B and low activity human carbonic anhydrase B monitored through metal substitution. <i>Journal of Molecular Catalysis</i> , 1984, 23, 133-144.	1.2	0
583	Multinuclear NMR investigation of the metal binding sites of transferrins. <i>Journal of Molecular Structure</i> , 1984, 113, 191-200.	3.6	3
584	Investigation of zinc-deprived bovine superoxide dismutase. <i>Inorganica Chimica Acta</i> , 1984, 91, 109-111.	2.4	5
585	The Structure of Cobalt(II)-substituted Carbonic Anhydrase and Its Implications for the Catalytic Mechanism of the Enzyme. <i>Annals of the New York Academy of Sciences</i> , 1984, 429, 89-98.	3.8	13
586	Investigation of the system copper(II) carbonic anhydrase and HCO ₃ ⁻ /CO ₂ . <i>Journal of Inorganic Biochemistry</i> , 1983, 18, 221-229.	3.5	27
587	Investigation of the copper—magnesium—alkaline phosphatase system. <i>Inorganica Chimica Acta</i> , 1983, 78, 19-22.	2.4	5
588	1H NMR relaxation rate and coordination number in high spin cobalt(II) complexes. <i>Inorganica Chimica Acta</i> , 1983, 80, 123-126.	2.4	12
589	Cobalt(II) as a probe of the structure and function of carbonic anhydrase. <i>Accounts of Chemical Research</i> , 1983, 16, 272-279.	15.6	139
590	Water Exchange at the Active Site of Carbonic Anhydrase. <i>Biophysical Journal</i> , 1983, 41, 179-187.	0.5	53
591	Carbonic anhydrase: An insight into the zinc binding site and into the active cavity through metal substitution. , 1982, , 45-92.		124
592	1H NMR detection of CoOH ₂ . CoOH interconversions in high-spin cobalt(II) complexes. <i>Inorganic Chemistry</i> , 1982, 21, 3426-3429.	4.0	14
593	Preparation and characterization of the vanadium(III) derivative of transferrin. <i>Inorganica Chimica Acta</i> , 1982, 67, L21-L23.	2.4	22
594	Nickel carbonic anhydrase: a re-examination of the electronic spectra with the help of CD spectra. <i>Inorganica Chimica Acta</i> , 1982, 67, 99-102.	2.4	15

#	ARTICLE	IF	CITATIONS
595	Different behavior of sulfonamides with respect to copper-substituted bovine and human carbonic anhydrases. <i>Journal of Inorganic Biochemistry</i> , 1982, 16, 155-160.	3.5	10
596	Hydrogen-1 NMR spectra of the coordination sphere of cobalt-substituted carbonic anhydrase. <i>Journal of the American Chemical Society</i> , 1981, 103, 7784-7788.	13.7	53
597	pH-Dependent properties of a CoN ₄ (OH) ₂ chromophore: a spectroscopic model of cobalt carbonic anhydrase. <i>Inorganic Chemistry</i> , 1981, 20, 1670-1673.	4.0	31
598	A water 17O NMR study of the pH dependent properties of superoxide dismutase. <i>Biochemical and Biophysical Research Communications</i> , 1981, 101, 577-583.	2.1	17
599	The epr spectra of the inhibitor derivatives of cobalt carbonic anhydrase. <i>Journal of Inorganic Biochemistry</i> , 1981, 14, 81-93.	3.5	55
600	17O NMR investigation of copper(II) substituted carbonic anhydrases. <i>Inorganica Chimica Acta</i> , 1981, 56, 1-4.	2.4	9
601	Water in the coordination sphere of metallocarbonic anhydrases: A solvent proton longitudinal relaxation study at several frequencies. <i>Inorganica Chimica Acta</i> , 1981, 56, 99-107.	2.4	32
602	metalloenzymes containing bipoisitive zinc(II) chromophores with a water molecule in the coordination sphere. <i>Inorganica Chimica Acta</i> , 1980, 46, L91-L92.	2.4	9
603	The acid-base equilibria of carbonic anhydrase. <i>Inorganica Chimica Acta</i> , 1980, 46, 85-89.	2.4	30
604	Cyanometallates and cobalt(II) bovine carbonic anhydrase B. Five coordination with dicyanoaurate(I). <i>Inorganica Chimica Acta</i> , 1980, 46, 211-214.	2.4	5
605	31P NMR spectra of paramagnetic MBr ₂ (OPPh ₃) ₂ complexes. A breakdown in the validity of the Solomon-Bloembergen equations. <i>Inorganic and Nuclear Chemistry Letters</i> , 1979, 15, 89-91.	0.7	5
606	Characterization of oxovanadium(IV) substituted bovine carbonic anhydrase B. <i>Inorganica Chimica Acta</i> , 1979, 36, 9-12.	2.4	12
607	Investigation of the system cobalt(II) bovine carbonic anhydrase b-trichloroacetaldehyde. <i>Journal of Inorganic Biochemistry</i> , 1979, 11, 49-56.	3.5	6
608	Characterization of nickel(II) bovine carbonic anhydrase and its inhibitor derivatives. <i>Bioinorganic Chemistry</i> , 1978, 9, 495-504.	1.1	14
609	Binding affinity of bicarboxylate ions for cobalt(II) bovine carbonic anhydrase. <i>Bioinorganic Chemistry</i> , 1978, 9, 93-100.	1.1	28
610	Spectroscopic investigation of copper(II) bovine carbonic anhydrase and its inhibitor derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , 1978, , 1269.	1.1	22
611	Evidence of exchangeable protons in the acidic form of manganese(II) bovine carbonic anhydrase B. <i>FEBS Letters</i> , 1978, 87, 92-94.	2.8	9
612	A 31 P NMR study of phosphate in presence of cobalt(II)- and copper(II)-substituted bovine carbonic anhydrase B. <i>FEBS Letters</i> , 1978, 93, 251-254.	2.8	12

#	ARTICLE	IF	CITATIONS
613	Evidence of exchangeable protons in the donor groups of the acidic form of cobalt bovine carbonic anhydrase B. <i>Biochemical and Biophysical Research Communications</i> , 1977, 78, 158-160.	2.1	31
614	Carbon-13 longitudinal relaxation times of acetate ion in the presence of metal-substituted bovine carbonic anhydrases. <i>Journal of the Chemical Society Dalton Transactions</i> , 1977, , 1962.	1.1	14
615	Interactions between $\hat{\pm}$ -amino acids and cobalt(II) bovine-carbonic anhydrase. <i>Bioinorganic Chemistry</i> , 1977, 7, 225-231.	1.1	11
616	^{13}C Nmr spectra of hexakis pyridine-N-oxide cobalt(II) and nickel(II) complexes. <i>Inorganica Chimica Acta</i> , 1976, 19, 201-202.	2.4	5