

# Carles Arus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8382882/publications.pdf>

Version: 2024-02-01

129  
papers

4,060  
citations

136950

32  
h-index

144013

57  
g-index

131  
all docs

131  
docs citations

131  
times ranked

3183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction of artefactual MRS patterns from a large database using non-negative matrix factorization. <i>NMR in Biomedicine</i> , 2022, 35, e4193.	2.8	6
2	Establishing Imaging Biomarkers of Host Immune System Efficacy during Glioblastoma Therapy Response: Challenges, Obstacles and Future Perspectives. <i>Metabolites</i> , 2022, 12, 243.	2.9	2
3	Successful Partnerships: Exploring the Potential of Immunogenic Signals Triggered by TMZ, CX-4945, and Combined Treatment in GL261 Glioblastoma Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3453.	4.1	7
4	Immune System-Related Changes in Preclinical GL261 Glioblastoma under TMZ Treatment: Explaining MRSI-Based Nosological Imaging Findings with RT-PCR Analyses. <i>Cancers</i> , 2021, 13, 2663.	3.7	7
5	Anti-tumour immune response in GL261 glioblastoma generated by Temozolomide Immune-Enhancing Metronomic Schedule monitored with MRSI-based nosological images. <i>NMR in Biomedicine</i> , 2020, 33, e4229.	2.8	15
6	Anti-PD-1 Immunotherapy in Preclinical GL261 Glioblastoma: Influence of Therapeutic Parameters and Non-Invasive Response Biomarker Assessment with MRSI-Based Approaches. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8775.	4.1	14
7	Unraveling response to temozolomide in preclinical GL261 glioblastoma with MRI/MRSI using radiomics and signal source extraction. <i>Scientific Reports</i> , 2020, 10, 19699.	3.3	7
8	Magnetic resonance spectroscopy in posterior fossa tumours: the tumour spectroscopic signature may improve discrimination in adults among haemangioblastoma, ependymal tumours, medulloblastoma, and metastasis. <i>European Radiology</i> , 2019, 29, 2792-2801.	4.5	13
9	Up-Regulation of the Alpha Prime Subunit of Protein Kinase CK2 as a Marker of Fast Proliferation in GL261 Cultured Cells. <i>Pathology and Oncology Research</i> , 2019, 25, 1659-1663.	1.9	6
10	Cancer metabolism in a snapshot: MRS(I). <i>NMR in Biomedicine</i> , 2019, 32, e4054.	2.8	17
11	Characterization of the canine rostral ventricular-subventricular zone: Morphological, immunohistochemical, ultrastructural, and neurosphere assay studies. <i>Journal of Comparative Neurology</i> , 2018, 526, 721-741.	1.6	9
12	Quality of clinical brain tumor MR spectra judged by humans and machine learning tools. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2500-2510.	3.0	18
13	Dual $\text{Ti}^{3+}$ / $\text{Ti}^{2+}$ Nanoscale Coordination Polymers as Novel Contrast Agents for MRI: A Preclinical Study for Brain Tumor. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 38819-38832.	8.0	50
14	Metronomic treatment in immunocompetent preclinical GL261 glioblastoma: effects of cyclophosphamide and temozolomide. <i>NMR in Biomedicine</i> , 2017, 30, e3748.	2.8	23
15	Brain metabolic pattern analysis using a magnetic resonance spectra classification software in experimental stroke. <i>BMC Neuroscience</i> , 2017, 18, 13.	1.9	5
16	Metabolomics of Therapy Response in Preclinical Glioblastoma: A Multi-Slice MRSI-Based Volumetric Analysis for Noninvasive Assessment of Temozolomide Treatment. <i>Metabolites</i> , 2017, 7, 20.	2.9	19
17	Targeting Protein Kinase CK2: Evaluating CX-4945 Potential for GL261 Glioblastoma Therapy in Immunocompetent Mice. <i>Pharmaceutics</i> , 2017, 10, 24.	3.8	30
18	Development of a transplantable glioma tumour model from genetically engineered mice: MRI/MRS/MRSI characterisation. <i>Journal of Neuro-Oncology</i> , 2016, 129, 67-76.	2.9	5

#	ARTICLE	IF	CITATIONS
19	MRSI-based molecular imaging of therapy response to temozolomide in preclinical glioblastoma using source analysis. <i>NMR in Biomedicine</i> , 2016, 29, 732-743.	2.8	19
20	Protein Kinase CK2 Content in GL261 Mouse Glioblastoma. <i>Pathology and Oncology Research</i> , 2016, 22, 633-637.	1.9	5
21	Improving Ribosomal RNA Integrity in Surgically Resected Human Brain Tumor Biopsies. <i>Biopreservation and Biobanking</i> , 2016, 14, 156-164.	1.0	6
22	Automated Quality Control for Proton Magnetic Resonance Spectroscopy Data Using Convex Non-negative Matrix Factorization. <i>Lecture Notes in Computer Science</i> , 2016, , 719-727.	1.3	4
23	From raw data to data-analysis for magnetic resonance spectroscopy â€” the missing link: jMRUI2XML. <i>BMC Bioinformatics</i> , 2015, 16, 378.	2.6	9
24	Classification of brain tumours from MR spectra: the INTERPRET collaboration and its outcomes. <i>NMR in Biomedicine</i> , 2015, 28, 1772-1787.	2.8	19
25	r1andr2Relaxivities of Dendrons Based on a OEG-DTPA Architecture: Effect of Gd3+Placement and Dendron Functionalization. <i>Journal of Nanotechnology</i> , 2015, 2015, 1-8.	3.4	2
26	<i>In Vivo</i> and <i>Ex Vivo</i> Magnetic Resonance Spectroscopy of the Infarct and the Subventricular Zone in Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 828-834.	4.3	17
27	Robustness of Equations that Define Molecular Subtypes of Glioblastoma Tumors Based on Five Transcripts Measured by RT-PCR. <i>OMICS A Journal of Integrative Biology</i> , 2015, 19, 41-51.	2.0	2
28	Effect of acute hyperglycemia on moderately hypothermic GL261 mouse glioma monitored by T1-weighted DCE MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 119-126.	2.0	0
29	Usefulness of Proton Magnetic Resonance Spectroscopy in the Clinical Management of Brain Tumors. , 2014, , 141-161.		0
30	Semi-supervised source extraction methodology for the nosological imaging of glioblastoma response to therapy. , 2014, , .		2
31	Molecular imaging coupled to pattern recognition distinguishes response to temozolomide in preclinical glioblastoma. <i>NMR in Biomedicine</i> , 2014, 27, 1333-1345.	2.8	21
32	Automatic relevance source determination in human brain tumors using Bayesian NMF. , 2014, , .		1
33	<sup>1</sup> H-MRS is useful to reinforce the suspicion of primary central nervous system lymphoma prior to surgery. <i>European Radiology</i> , 2014, 24, 2895-2905.	4.5	16
34	Ex vivo assessment of polyol coated-iron oxide nanoparticles for MRI diagnosis applications: toxicological and MRI contrast enhancement effects. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	18
35	Multicentre evaluation of the INTERPRET decision support system 2.0 for brain tumour classification. <i>NMR in Biomedicine</i> , 2014, 27, 1009-1018.	2.8	10
36	A new ex vivo method to evaluate the performance of candidate MRI contrast agents: a proof-of-concept study. <i>Journal of Nanobiotechnology</i> , 2014, 12, 12.	9.1	16

#	ARTICLE	IF	CITATIONS
37	Dimethyl sulfoxide (DMSO) as a potential contrast agent for brain tumors. <i>NMR in Biomedicine</i> , 2013, 26, 173-184.	2.8	8
38	Assessment of a <sup>1</sup> H high-resolution magic angle spinning NMR spectroscopy procedure for free sugars quantification in intact plant tissue. <i>Planta</i> , 2013, 238, 397-413.	3.2	17
39	DCE@urLAB: a dynamic contrast-enhanced MRI pharmacokinetic analysis tool for preclinical data. <i>BMC Bioinformatics</i> , 2013, 14, 316.	2.6	33
40	A Novel Semi-Supervised Methodology for Extracting Tumor Type-Specific MRS Sources in Human Brain Data. <i>PLoS ONE</i> , 2013, 8, e83773.	2.5	18
41	Strategies for annotation and curation of translational databases: the eTUMOUR project. <i>Database: the Journal of Biological Databases and Curation</i> , 2012, 2012, bas035-bas035.	3.0	17
42	Development of robust discriminant equations for assessing subtypes of glioblastoma biopsies. <i>British Journal of Cancer</i> , 2012, 106, 1816-1825.	6.4	8
43	Improving the classification of brain tumors in mice with perturbation enhanced (PE)-MRSI. <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 183-191.	1.3	17
44	Minimization of spectral pattern changes during HRMAS experiments at 37 degrees celsius by prior focused microwave irradiation. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 401-410.	2.0	9
45	Influence of the spinning rate in the HR-MAS pattern of mobile lipids in C6 glioma cells and in artificial oil bodies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 487-496.	2.0	8
46	Efficient <sup>13</sup> -amino-proline-derived cell penetrating peptide-superparamagnetic iron oxide nanoparticle conjugates via aniline-catalyzed oxime chemistry as bimodal imaging nanoagents. <i>Chemical Communications</i> , 2012, 48, 5322.	4.1	21
47	Non-negative matrix factorisation methods for the spectral decomposition of MRS data from human brain tumours. <i>BMC Bioinformatics</i> , 2012, 13, 38.	2.6	28
48	In Vivo Magnetic Resonance Spectroscopic Imaging and Ex Vivo Quantitative Neuropathology by High Resolution Magic Angle Spinning Proton Magnetic Resonance Spectroscopy. <i>Neuroinformatics</i> , 2012, , 329-365.	0.3	3
49	Convex Non-Negative Matrix Factorization for Brain Tumor Delimitation from MRSI Data. <i>PLoS ONE</i> , 2012, 7, e47824.	2.5	39
50	Prospective diagnostic performance evaluation of single-voxel <sup>1</sup> H MRS for typing and grading of brain tumours. <i>NMR in Biomedicine</i> , 2012, 25, 661-673.	2.8	55
51	Robust discrimination of glioblastomas from metastatic brain tumors on the basis of single-voxel <sup>1</sup> H MRS. <i>NMR in Biomedicine</i> , 2012, 25, 819-828.	2.8	27
52	Brain Tumor Pathological Area Delimitation through Non-negative Matrix Factorization. , 2011, , .		0
53	Proton MR Spectroscopy Provides Relevant Prognostic Information in High-Grade Astrocytomas. <i>American Journal of Neuroradiology</i> , 2011, 32, 74-80.	2.4	33
54	Incremental Gaussian Discriminant Analysis based on Graybill and Deal weighted combination of estimators for brain tumour diagnosis. <i>Journal of Biomedical Informatics</i> , 2011, 44, 677-687.	4.3	14

#	ARTICLE	IF	CITATIONS
55	Compatibility between 3T <sup>1</sup> H SV-MRS data and automatic brain tumour diagnosis support systems based on databases of 1.5T 1H SV-MRS spectra. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 35-42.	2.0	18
56	Spectral decomposition methods for the analysis of MRS information from human brain tumors. , 2011, , .		4
57	Diagnosis and Staging of Brain Tumours: Magnetic Resonance Single Voxel Spectra. , 2011, , 227-243.		1
58	Improving the classification of brain tumors in mice with perturbation enhanced (PE)-MRSI. <i>BMC Proceedings</i> , 2010, 4, .	1.6	0
59	Short-term temperature effect on the HRMAS spectra of human brain tumor biopsies and their pattern recognition analysis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 203-215.	2.0	9
60	Feature and model selection with discriminatory visualization for diagnostic classification of brain tumors. <i>Neurocomputing</i> , 2010, 73, 622-632.	5.9	38
61	SpectraClassifier 1.0: a user friendly, automated MRS-based classifier-development system. <i>BMC Bioinformatics</i> , 2010, 11, 106.	2.6	31
62	The INTERPRET Decision-Support System version 3.0 for evaluation of Magnetic Resonance Spectroscopy data from human brain tumours and other abnormal brain masses. <i>BMC Bioinformatics</i> , 2010, 11, 581.	2.6	43
63	1 H-MRSI pattern perturbation in a mouse glioma: the effects of acute hyperglycemia and moderate hypothermia. <i>NMR in Biomedicine</i> , 2010, 23, 23-33.	2.8	31
64	Development of a Predictor for Human Brain Tumors Based on Gene Expression Values Obtained from Two Types of Microarray Technologies. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 157-164.	2.0	12
65	<sup>13</sup> C-labelling studies indicate compartmentalized synthesis of triacylglycerols in C6 rat glioma cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 693-701.	2.4	8
66	Proton MR Spectroscopy Improves Discrimination between Tumor and Pseudotumoral Lesion in Solid Brain Masses. <i>American Journal of Neuroradiology</i> , 2009, 30, 544-551.	2.4	92
67	Automated Brain Tumor Biopsy Prediction Using Single-labeling cDNA Microarrays-based Gene Expression Profiling. <i>Diagnostic Molecular Pathology</i> , 2009, 18, 206-218.	2.1	17
68	Outlier exploration and diagnostic classification of a multi-centre 1H-MRS brain tumour database. <i>Neurocomputing</i> , 2009, 72, 3085-3097.	5.9	24
69	Multiprojectâ€“multicenter evaluation of automatic brain tumor classification by magnetic resonance spectroscopy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 5-18.	2.0	126
70	HealthAgents: distributed multi-agent brain tumor diagnosis andÂˆprognosis. <i>Applied Intelligence</i> , 2009, 30, 191-202.	5.3	78
71	In vivo proton magnetic resonance spectroscopy of intraventricular tumours of the brain. <i>European Radiology</i> , 2009, 19, 2049-2059.	4.5	43
72	Preliminary characterization of an experimental breast cancer cells brain metastasis mouse model by MRI/MRS. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 237-249.	2.0	19

#	ARTICLE	IF	CITATIONS
73	Automated quality control protocol for MR spectra of brain tumors. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1274-1281.	3.0	39
74	MRS quality assessment in a multicentre study on MRS-based classification of brain tumours. <i>NMR in Biomedicine</i> , 2008, 21, 148-158.	2.8	43
75	Perturbation of mouse glioma MRS pattern by induced acute hyperglycemia. <i>NMR in Biomedicine</i> , 2008, 21, 251-264.	2.8	39
76	The effect of combining two echo times in automatic brain tumor classification by MRS. <i>NMR in Biomedicine</i> , 2008, 21, 1112-1125.	2.8	44
77	MRS in clinical practice. Application to brain tumour MRS. , 2008, , .		1
78	Classification, Dimensionality Reduction, and Maximally Discriminatory Visualization of a Multicentre 1H-MRS Database of Brain Tumors. , 2008, , .		3
79	Rule-Based Assistance to Brain Tumour Diagnosis Using LR-FIR. <i>Lecture Notes in Computer Science</i> , 2008, , 173-180.	1.3	5
80	Exploratory Characterization of Outliers in a Multi-centre 1H-MRS Brain Tumour Dataset. <i>Lecture Notes in Computer Science</i> , 2008, , 189-196.	1.3	5
81	A possible cellular explanation for the NMR-visible mobile lipid (ML) changes in cultured C6 glioma cells with growth. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 31-44.	2.4	55
82	Quantification and classification of high-resolution magic angle spinning data for brain tumor diagnosis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5407-10.	0.5	14
83	Bagging Linear Sparse Bayesian Learning Models for Variable Selection in Cancer Diagnosis. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2007, 11, 338-347.	3.2	28
84	An iron-based T 1 contrast agent made of iron-phosphate complexes: In vitro and in vivo studies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 27-37.	2.0	15
85	In vivo quantification of response to treatment in patients with multiple myeloma by 1H magnetic resonance spectroscopy of bone marrow. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 93-101.	2.0	25
86	Genomics and Metabolomics Research for Brain Tumour Diagnosis Based on Machine Learning. <i>Lecture Notes in Computer Science</i> , 2007, , 1012-1019.	1.3	3
87	On the Implementation of HealthAgents: Agent-Based Brain Tumour Diagnosis. , 2007, , 5-24.		3
88	A Multi-Centre, Web-Accessible and Quality Control-Checked Database of in vivo MR Spectra of Brain Tumour Patients. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 22-33.	2.0	78
89	Development of a decision support system for diagnosis and grading of brain tumours using in vivo magnetic resonance single voxel spectra. <i>NMR in Biomedicine</i> , 2006, 19, 411-434.	2.8	216
90	Analysis of the changes in the 1H NMR spectral pattern of perchloric acid extracts of C6 cells with growth. <i>NMR in Biomedicine</i> , 2006, 19, 223-230.	2.8	15

#	ARTICLE	IF	CITATIONS
91	Comparison between neuroimaging classifications and histopathological diagnoses using an international multicenter brain tumor magnetic resonance imaging database. Journal of Neurosurgery, 2006, 105, 6-14.	1.6	126
92	On the Design of a Web-Based Decision Support System for Brain Tumour Diagnosis Using Distributed Agents. , 2006, , .		16
93	In vitro characterization of an Fe8 cluster as potential MRI contrast agent. NMR in Biomedicine, 2005, 18, 300-307.	2.8	24
94	Brain tumor classification based on long echo proton MRS signals. Artificial Intelligence in Medicine, 2004, 31, 73-89.	6.5	161
95	Assignment of the 2.03 ppm resonance in in vivo 1H MRS of human brain tumour cystic fluid: contribution of macromolecules. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 17, 36-46.	2.0	20
96	Classification of brain tumours using short echo time 1H MR spectra. Journal of Magnetic Resonance, 2004, 170, 164-175.	2.1	166
97	Taurine Detection by Proton Magnetic Resonance Spectroscopy in Medulloblastoma: Contribution to Noninvasive Differential Diagnosis with Cerebellar Astrocytoma. Neurosurgery, 2004, 55, 824-829.	1.1	78
98	Brain tumor classification by proton MR spectroscopy: comparison of diagnostic accuracy at short and long TE. American Journal of Neuroradiology, 2004, 25, 1696-704.	2.4	135
99	Proton magnetic resonance spectroscopy (1H MRS) of human brain tumours: assessment of differences between tumour types and its applicability in brain tumour categorization. European Radiology, 2003, 13, 582-591.	4.5	134
100	Automated classification of short echo time in in vivo <sup>1</sup> H brain tumor spectra: A multicenter study. Magnetic Resonance in Medicine, 2003, 49, 29-36.	3.0	169
101	EFFECTO DE LA SUPLEMENTACIÃ“N ORAL CON MONOHIDRATO DE CREATINA EN EL METABOLISMO ENERGÃ“RTICO MUSCULAR Y EN LA COMPOSICIÃ“N CORPORAL DE SUJETOS QUE PRACTICAN ACTIVIDAD FÃ“SICA. Revista Chilena De Nutricion, 2003, 30, .	0.3	3
102	Adult Primitive Neuroectodermal Tumor: Proton MR Spectroscopic Findings with Possible Application for Differential Diagnosis. Radiology, 2002, 225, 556-566.	7.3	105
103	Measurement by nuclear magnetic resonance diffusion of the dimensions of the mobile lipid compartment in C6 cells. Cancer Research, 2002, 62, 5672-7.	0.9	19
104	Mobile lipid production after confluence and pH stress in perfused C6 cells. NMR in Biomedicine, 2001, 14, 33-40.	2.8	22
105	Magnetic resonance spectroscopy of brain hemangiopericytomas: high myoinositol concentrations and discrimination from meningiomas. Journal of Neurosurgery, 2001, 94, 55-60.	1.6	86
106	Robust methodology for the discrimination of brain tumours from in vivo magnetic resonance spectra. IET Science, Measurement and Technology, 2000, 147, 309-314.	0.7	15
107	A Study of Imidazole-Based Nuclear Magnetic Resonance Probes of Cellular pH. Analytical Biochemistry, 1998, 261, 64-72.	2.4	24
108	1H MRS markers of tumour growth in intrasplenic tumours and liver metastasis induced by injection of HT-29 cells in nude mice spleen. , 1998, 11, 93-106.		41

#	ARTICLE	IF	CITATIONS
109	Towards a method for automated classification of <sup>1</sup> H MRS spectra from brain tumours. <i>NMR in Biomedicine</i> , 1998, 11, 177-191.	2.8	109
110	Genetic programming for classification and feature selection: analysis of <sup>1</sup> H nuclear magnetic resonance spectra from human brain tumour biopsies. , 1998, 11, 217-224.		49
111	Pattern recognition analysis of <sup>1</sup> H NMR spectra from perchloric acid extracts of human brain tumor biopsies. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 869-877.	3.0	70
112	Diagnosis of brain abscess by magnetic resonance spectroscopy. <i>Journal of Neurosurgery</i> , 1997, 86, 708-713.	1.6	50
113	Quantitative and Qualitative Characterization of <sup>1</sup> H NMR Spectra of Colon Tumors, Normal Mucosa and their Perchloric Acid Extracts: Decreased Levels of Myo-inositol in Tumours can be Detected in Intact Biopsies. , 1996, 9, 33-45.		66
114	A Simple Approach to the Design of a Shielded Gradient Probe for High-Resolution in Vivo Spectroscopy. <i>Journal of Magnetic Resonance Series B</i> , 1995, 109, 146-152.	1.6	7
115	<sup>1</sup> H NMR spectroscopy of colon tumors and normal mucosal biopsies; elevated taurine levels and reduced polyethyleneglycol absorption in tumors may have diagnostic significance. <i>NMR in Biomedicine</i> , 1993, 6, 111-118.	2.8	66
116	A perfusion loop-gap resonator NMR probe for aerobic cell suspensions. <i>Magnetic Resonance in Medicine</i> , 1993, 29, 563-566.	3.0	2
117	Development and characterization of an ergometer to study the bioenergetics of the human quadriceps muscle by <sup>31</sup> P NMR spectroscopy inside a standard MR scanner. <i>Magnetic Resonance in Medicine</i> , 1993, 29, 575-581.	3.0	17
118	A Versatile Perfusion System for the NMR Spectroscopy of Bovine Retina. Assignment of Resonances and Effect of Ischemia. <i>Experimental Eye Research</i> , 1993, 57, 669-678.	2.6	1
119	Two-dimensional spectra of intact tissue: Homonuclear Hartmann-Hahn spectroscopy provides increased sensitivity and information content as compared to COSY. <i>Magnetic Resonance in Medicine</i> , 1990, 15, 142-151.	3.0	11
120	Chemical and computer graphics studies on the topography of the ribonuclease A active site cleft. A model of the enzyme-pentanucleotide substrate complex. <i>Protein Engineering, Design and Selection</i> , 1989, 2, 417-429.	2.1	30
121	Application of high-field <sup>1</sup> H-NMR spectroscopy for the study of perfused amphibian and excised mammalian muscles. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 886, 411-424.	4.1	40
122	N-acetylaspartate as an intrinsic thermometer for <sup>1</sup> H NMR of brain slices. <i>Journal of Magnetic Resonance</i> , 1985, 63, 376-379.	0.5	12
123	The separation of phosphocreatine from creatine, and pH determination in frog muscle by natural abundance <sup>13</sup> C-NMR. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1985, 844, 91-93.	4.1	13
124	<sup>1</sup> H NMR of intact tissues at 11.1 T. <i>Journal of Magnetic Resonance</i> , 1984, 57, 519-525.	0.5	10
125	<sup>1</sup> H NMR of intact muscle at 11 T. <i>FEBS Letters</i> , 1984, 165, 231-237.	2.8	56
126	Evidence on the existence of a purine ligand induced conformational change in the active site of bovine pancreatic ribonuclease A studied by proton nuclear magnetic resonance spectroscopy. <i>Biochemistry</i> , 1982, 21, 4290-4297.	2.5	26



#	ARTICLE	IF	CITATIONS
127	Preparative purification and group separation of mono- and dinucleotides by combining charge-transfer and affinity chromatography. <i>Journal of Chromatography A</i> , 1982, 237, 500-505.	3.7	2
128	<sup>1</sup> H-NMR studies on the binding subsites of bovine pancreatic ribonuclease A. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1981, 660, 117-127.	2.6	30
129	The Reaction of Bovine Pancreatic Ribonuclease A with 6-Chloropurineriboside 5'-Monophosphate. Evidence on the Existence of a Phosphate-Binding Sub-site. <i>FEBS Journal</i> , 1980, 105, 571-579.	0.2	42