

Luiz Alberto Colnago

List of Publications by Year in descending order

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191
papers

3,815
citations

136950

32
h-index

214800

47
g-index

193
all docs

193
docs citations

193
times ranked

3973
citing authors

#	ARTICLE	IF	CITATIONS
1	Data fusion of middle-resolution NMR spectroscopy and low-field relaxometry using the Common Dimensions Analysis (ComDim) to monitor diesel fuel adulteration. <i>Talanta</i> , 2022, 236, 122838.	5.5	14
2	Noninvasive Analyses of Food Products Using Low-field Time-domain NMR: A Review of Relaxometry Methods. <i>Brazilian Journal of Physics</i> , 2022, 52, 1.	1.4	4
3	Composite Graphite-Epoxy Electrodes for In Situ Electrochemistry Coupling with High Resolution NMR. <i>ACS Omega</i> , 2022, 7, 4991-5000.	3.5	7
4	Real-Time Monitoring Polymerization Reactions Using Dipolar Echoes in ¹ H Time Domain NMR at a Low Magnetic Field. <i>Molecules</i> , 2022, 27, 566.	3.8	3
5	Monitoring Stimulated Darkening from UV-C Light on Different Bean Genotypes by NMR Spectroscopy. <i>Molecules</i> , 2022, 27, 2060.	3.8	3
6	In-operando analysis of the corrosion patterns and rates under magnetic fields using metallic film. <i>Npj Materials Degradation</i> , 2022, 6, .	5.8	5
7	Use of Time Domain Nuclear Magnetic Resonance Relaxometry to Monitor the Effect of Magnetic Field on the Copper Corrosion Rate in Real Time. <i>Magnetochemistry</i> , 2022, 8, 40.	2.4	1
8	Fruit quality parameters and volatile compounds from Palmer mangoes with internal breakdown. <i>Food Chemistry</i> , 2022, 388, 132902.	8.2	2
9	¹³ C ss-NMR Singular value decomposition and fitting for sorghum proteins conformation elucidation. <i>Polimeros</i> , 2022, 32, .	0.7	0
10	Influence of alumina substrates open porosity on calcium phosphates formation produced by the biomimetic method. <i>Progress in Biomaterials</i> , 2022, 11, 263-271.	4.5	2
11	Non-Invasive Method to Predict the Composition of Requeijão Cremoso Directly in Commercial Packages Using Time Domain NMR Relaxometry and Chemometrics. <i>Molecules</i> , 2022, 27, 4434.	3.8	2
12	Impact of Cattle Feeding Strategy on the Beef Metabolome. <i>Metabolites</i> , 2022, 12, 640.	2.9	5
13	Using TD-NMR relaxometry to assess the effects of diet type and stocking rate on the incidence and degree of severity of myopathies in broilers. <i>Microchemical Journal</i> , 2022, 181, 107745.	4.5	1
14	Non-invasive quantification of vitamin C, citric acid, and sugar in Valência oranges using infrared spectroscopies. <i>Journal of Food Science and Technology</i> , 2021, 58, 731-738.	2.8	19
15	Development of a platform for the production of multiple modal chelating and imaging agents using desferrioxamine and bovine albumin as a model. <i>Chemical Papers</i> , 2021, 75, 1157-1163.	2.2	0
16	Preliminary study on the characterization of Longissimus lumborum dark cutting meat in Angus-Nellore crossbreed cattle using NMR-based metabolomics. <i>Meat Science</i> , 2021, 172, 108350.	5.5	27
17	Low field, time domain NMR in the agriculture and agrifood sectors: An overview of applications in plants, foods and biofuels. <i>Journal of Magnetic Resonance</i> , 2021, 323, 106899.	2.1	24
18	Fast-forward approach of time-domain NMR relaxometry for solid-state chemistry of chitosan. <i>Carbohydrate Polymers</i> , 2021, 256, 117576.	10.2	4

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19	Clotrimazole-loaded N-(2-hydroxy)-propyl-3-trimethylammonium, O-palmitoyl chitosan nanoparticles for topical treatment of vulvovaginal candidiasis. <i>Acta Biomaterialia</i> , 2021, 125, 312-321.	8.3	27
20	Portable near Infrared Spectroscopy as a Tool for Fresh Tomato Quality Control Analysis in the Field. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3209.	2.5	22
21	Recent 1D and 2D TD-NMR Pulse Sequences for Plant Science. <i>Plants</i> , 2021, 10, 833.	3.5	4
22	Selection of industrial tomatoes using TD-NMR data and computational classification methods. <i>Microchemical Journal</i> , 2021, 164, 106048.	4.5	7
23	Metabolomic signature of genetic potential for muscularity in beef cattle. <i>Animal Biotechnology</i> , 2021, , 1-10.	1.5	0
24	N-(2-hydroxy)-propyl-3-trimethylammonium, O-palmitoyl chitosan: Synthesis, physicochemical and biological properties. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 558-568.	7.5	12
25	Valorization of mangoes with internal breakdown through the production of edible films by continuous solution casting. <i>LWT - Food Science and Technology</i> , 2021, 145, 111339.	5.2	16
26	Long-term lime and phosphogypsum broadcast affects phosphorus cycling in a tropical Oxisol cultivated with soybean under no-till. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 120, 307.	2.2	5
27	Classical Food Quality Attributes and the Metabolic Profile of Cambuci, a Native Brazilian Atlantic Rainforest Fruit. <i>Molecules</i> , 2021, 26, 3613.	3.8	6
28	Phytotoxicity of <i>Schiekia timida</i> Seed Extracts, a Mixture of Phenylphenalenones. <i>Molecules</i> , 2021, 26, 4197.	3.8	1
29	Effects of dietary inclusion of yerba mate (<i>Ilex paraguariensis</i>) extract on lamb muscle metabolomics and physicochemical properties in meat. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	7
30	Using TD-NMR relaxometry and 1D 1H NMR spectroscopy to evaluate aging of Nellore beef. <i>Meat Science</i> , 2021, 181, 108606.	5.5	9
31	Insight into morphological, physicochemical and spectroscopic properties of β -chitin nanocrystalline structures. <i>Carbohydrate Polymers</i> , 2021, 273, 118563.	10.2	5
32	Healthy and Chronic Kidney Disease (CKD) Dogs Have Differences in Serum Metabolomics and Renal Diet May Have Slowed Disease Progression. <i>Metabolites</i> , 2021, 11, 782.	2.9	3
33	A simple, rapid, green and non-destructive 19F time-domain NMR method for directly fluorine determination in powder of mineral supplements for cattle. <i>Microchemical Journal</i> , 2020, 153, 104416.	4.5	0
34	Using T1 as a direct detection dimension in two-dimensional time-domain NMR experiments using CWFP regime. <i>Journal of Magnetic Resonance</i> , 2020, 311, 106666.	2.1	9
35	Role of urea and melamine as synergic co-plasticizers for starch composites for fertilizer application. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 143-150.	7.5	29
36	Evaluation of chitosan crystallinity: A high-resolution solid-state NMR spectroscopy approach. <i>Carbohydrate Polymers</i> , 2020, 250, 116891.	10.2	35

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37	Simple, Low-Cost and Long-Lasting Film for Virus Inactivation Using Avian Coronavirus Model as Challenge. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6456.	2.6	6
38	Characterization of chicken muscle disorders through metabolomics, pathway analysis, and water relaxometry: a pilot study. <i>Poultry Science</i> , 2020, 99, 6247-6257.	3.4	14
39	Influence of the cold plasma treatment on the Al ₂ O ₃ /ZrO ₂ nanocomposites surfaces. <i>Applied Surface Science</i> , 2020, 531, 147206.	6.1	9
40	Effect of amylolysis on the formation, the molecular, crystalline and thermal characteristics and the digestibility of retrograded starches. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1333-1343.	7.5	19
41	Non-invasive detection of internal flesh breakdown in intact Palmer mangoes using time-domain nuclear magnetic resonance relaxometry. <i>Microchemical Journal</i> , 2020, 158, 105208.	4.5	12
42	Application of low-field and medium-resolution ¹ H NMR spectroscopy combined with chemometric methods for automotive gasoline quality control. <i>Fuel</i> , 2020, 282, 118684.	6.4	5
43	Time domain NMR spectroscopy as a fast method for probing the efficiency of biomass pretreatments for second generation ethanol production. <i>Biomass and Bioenergy</i> , 2020, 142, 105734.	5.7	4
44	New and rapid pulse sequences for two-dimensional D-T1 correlation measurements. <i>Journal of Magnetic Resonance</i> , 2020, 315, 106749.	2.1	6
45	Monitoring of soluble pectin content in orange juice by means of MIR and TD-NMR spectroscopy combined with machine learning. <i>Food Chemistry</i> , 2020, 332, 127383.	8.2	10
46	A straightforward catalytic approach to obtain deuterated chloroform at room temperature. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 917-920.	1.9	1
47	Selection for Growth and Precocity Alters Muscle Metabolism in Nellore Cattle. <i>Metabolites</i> , 2020, 10, 58.	2.9	19
48	Metabolite profile and consumer sensory acceptability of meat from lean Nellore and Angus—Nellore crossbreed cattle fed soybean oil. <i>Food Research International</i> , 2020, 132, 109056.	6.2	20
49	In-situ MRI velocimetry of the magnetohydrodynamic effect in electrochemical cells. <i>Journal of Magnetic Resonance</i> , 2020, 312, 106692.	2.1	12
50	Power-optimized, time-reversal pulse sequence for a robust recovery of signals from rigid segments using time domain NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 104, 101619.	2.3	6
51	Bioproduction of N-acetyl-glucosamine from colloidal β -chitin using an enzyme cocktail produced by <i>Aeromonas caviae</i> CHZ306. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 114.	3.6	19
52	Sustainable Electrocoupling of the Biogenic Valeric Acid under in Situ Low-Field Nuclear Magnetic Resonance Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18288-18296.	6.7	14
53	Time-domain NMR: A novel analytical method to quantify adulteration of ethanol fuel with methanol. <i>Fuel</i> , 2019, 258, 116158.	6.4	11
54	Controlled release of nitrogen using urea-melamine-starch composites. <i>Journal of Cleaner Production</i> , 2019, 217, 448-455.	9.3	37

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55	Electrochemical NMR spectroscopy: Electrode construction and magnetic sample stirring. <i>Microchemical Journal</i> , 2019, 146, 658-663.	4.5	20
56	Application of time-domain NMR as a methodology to quantify adulteration of diesel fuel with soybean oil and frying oil. <i>Fuel</i> , 2019, 252, 567-573.	6.4	15
57	Magnetic Resonance Spectroscopy Techniques to Improve Agricultural Systems. , 2019, , 131-145.		0
58	Metabolic alterations in conventional and genetically modified soybean plants with GmDREB2A;2 FL and GmDREB2A;2 CA transcription factors during water deficit. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 122-135.	5.8	8
59	Magnetic resonance studies of copper (II) sorbitol complex, in solution, reveal a supramolecular structure compatible to the crystal structure. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 404-411.	1.9	2
60	Monitoring Electrochemical Reactions in Situ with Low Field NMR: A Mini-Review. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 498.	2.5	10
61	Applications of Continuous Wave Free Precession Sequences in Low-Field, Time-Domain NMR. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1312.	2.5	10
62	Improving in operando low field NMR copper electrodeposition analyses using inductively coupled coils. <i>Electrochimica Acta</i> , 2019, 298, 844-851.	5.2	10
63	Enhancing signal-to-noise ratio and resolution in low-field NMR relaxation measurements using post-acquisition digital filters. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 616-625.	1.9	20
64	Determination of physicochemical properties of biodiesel and blends using low-field NMR and multivariate calibration. <i>Fuel</i> , 2019, 237, 745-752.	6.4	21
65	BRS 425: the first runner peanut cultivar related to wild ancestral species. <i>Crop Breeding and Applied Biotechnology</i> , 2019, 19, 373-377.	0.4	4
66	Luiz Alberto Colnago, a prominent researcher in the Analytical Chemistry of Agricultural Products, gave an interview to BrJAC. <i>Brazilian Journal of Analytical Chemistry</i> , 2019, 6, .	0.5	0
67	Comparison Among MIR, NIR, and LF-NMR Techniques for Quality Control of Jam Using Chemometrics. <i>Food Analytical Methods</i> , 2018, 11, 2029-2034.	2.6	8
68	Enzymatic Activity Prediction Using Time-Domain Nuclear Magnetic Resonance (TD-NMR) and Multivariate Analysis: A Case Study Using Cassava Roots. <i>Applied Magnetic Resonance</i> , 2018, 49, 653-664.	1.2	3
69	2D and 3D Spectrum Graphics of the Chemical-Morphological Domains of Complex Biomass by Low Field Proton NMR Energy Relaxation Signal Analysis. <i>Energy & Fuels</i> , 2018, 32, 5090-5102.	5.1	19
70	Quantification of paramagnetic ions in solution using time domain NMR. PROS and CONS to optical emission spectrometry method. <i>Microchemical Journal</i> , 2018, 137, 204-207.	4.5	14
71	Formation of different calcium phosphate phases on the surface of porous Al ₂ O ₃ -ZrO ₂ nanocomposites. <i>Journal of the European Ceramic Society</i> , 2018, 38, 743-751.	5.7	20
72	Identification of primary and secondary metabolites and transcriptome profile of soybean tissues during different stages of hypoxia. <i>Data in Brief</i> , 2018, 21, 1089-1100.	1.0	9

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73	Flooded soybean metabolomic analysis reveals important primary and secondary metabolites involved in the hypoxia stress response and tolerance. <i>Environmental and Experimental Botany</i> , 2018, 153, 176-187.	4.2	49
74	Plasma surface treatments of Al ₂ O ₃ /ZrO ₂ nanocomposites and their influence on the formation and adhesion of calcium phosphates. <i>Applied Surface Science</i> , 2018, 456, 552-560.	6.1	5
75	High-Pressure Microfluidization as a Green Tool for Optimizing the Mechanical Performance of All-Cellulose Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12727-12735.	6.7	15
76	Non-invasive Measurements of Oilseed Temperature in Soil and Soil Thermal Diffusivity Using Time-Domain NMR Relaxometry. <i>Applied Magnetic Resonance</i> , 2018, 49, 1119-1127.	1.2	3
77	Food Analysis Using Fast Steady-State Free Precession TD-NMR Relaxometric Methods. , 2018, , 1463-1482.		0
78	Time-domain NMR relaxometry as an alternative method for analysis of chitosan-paramagnetic ion interactions in solution. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 228-232.	7.5	9
79	Characterization of novel <i>Acidobacteria</i> exopolysaccharides with potential industrial and ecological applications. <i>Scientific Reports</i> , 2017, 7, 41193.	3.3	61
80	Determination of Biodiesel Content in Diesel Fuel by Time-Domain Nuclear Magnetic Resonance (TD-NMR) Spectroscopy. <i>Energy & Fuels</i> , 2017, 31, 5120-5125.	5.1	15
81	Time-Domain Nuclear Magnetic Resonance (TD-NMR) and Chemometrics for Determination of Fat Content in Commercial Products of Milk Powder. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 330-334.	1.5	15
82	Strong magnetoelectrolysis effect during electrochemical reaction monitored in situ by high-resolution NMR spectroscopy. <i>Analytica Chimica Acta</i> , 2017, 983, 91-95.	5.4	22
83	Mate extract as feed additive for improvement of beef quality. <i>Food Research International</i> , 2017, 99, 336-347.	6.2	37
84	Non-invasive spectroscopic methods to estimate orange firmness, peel thickness, and total pectin content. <i>Microchemical Journal</i> , 2017, 133, 168-174.	4.5	31
85	Effects of Doxorubicin, Cisplatin, and Tamoxifen on the Metabolic Profile of Human Breast Cancer MCF-7 Cells As Determined by ¹ H High-Resolution Magic Angle Spinning Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2017, 56, 2219-2224.	2.5	16
86	Characterization of new exopolysaccharide production by <i>Rhizobium tropici</i> during growth on hydrocarbon substrate. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 361-369.	7.5	37
87	Influence of different chemical treatments on the surface of Al ₂ O ₃ /ZrO ₂ nanocomposites during biomimetic coating. <i>Ceramics International</i> , 2017, 43, 4272-4279.	4.8	17
88	Increasing the detection distance of remote NMR using wireless inductive coupling coil. <i>Scientific Reports</i> , 2017, 7, 12686.	3.3	4
89	Synthesis of the [(⁶ - <i>p</i> -cymene)Ru(dppb)Cl]PF ₆ complex and catalytic activity in the transfer hydrogenation of ketones. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3541-3551.	2.2	9
90	Self-aggregates of 3,6-O ⁶ -dimyristoylchitosan derivative are effective in enhancing the solubility and intestinal permeability of camptothecin. <i>Carbohydrate Polymers</i> , 2017, 177, 178-186.	10.2	21

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91	Impact of chemotherapy on metabolic reprogramming: Characterization of the metabolic profile of breast cancer MDA-MB-231 cells using ^1H HR-MAS NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 324-328.	2.8	35
92	Complementary analyses of hollow cylindrical unoriented permanent magnet (HCM) with high permeability external layer. <i>Journal of Magnetic Resonance</i> , 2017, 283, 79-88.	2.1	2
93	Integrating High-Resolution and Solid-State Magic Angle Spinning NMR Spectroscopy and a Transcriptomic Analysis of Soybean Tissues in Response to Water Deficiency. <i>Phytochemical Analysis</i> , 2017, 28, 529-540.	2.4	6
94	Use of the Relaxometry Technique for Quantification of Paramagnetic Ions in Aqueous Solutions and a Comparison with Other Analytical Methods. <i>International Journal of Analytical Chemistry</i> , 2016, 2016, 1-5.	1.0	7
95	Prediction of beef color using time-domain nuclear magnetic resonance (TD-NMR) relaxometry data and multivariate analyses. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 800-804.	1.9	7
96	Rapid and simple determination of T_1 and T_2 relaxation times in time-domain NMR by Continuous Wave Free Precession sequence. <i>Journal of Magnetic Resonance</i> , 2016, 270, 1-6.	1.9	2
97	Food Analysis Using Fast Steady-State Free Precession TD-NMR Relaxometric Methods. , 2016, , 1-21.		0
98	Rapid method for monitoring chitosan coagulation using low-field NMR relaxometry. <i>Carbohydrate Polymers</i> , 2016, 150, 1-4.	10.2	12
99	Quantification of protein secondary structure by ^{13}C solid-state NMR. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3875-3879.	3.7	4
100	Prediction of Orange juice sensorial attributes from intact fruits by TD-NMR. <i>Microchemical Journal</i> , 2016, 128, 113-117.	4.5	13
101	Preparation and Characterization of Amylose Inclusion Complexes for Drug Delivery Applications. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 231-241.	3.3	33
102	Physico-chemical assessment of $[\text{Mg-Al-PO}_4]$ -LDHs obtained by structural reconstruction in high concentration of phosphate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 53-62.	4.7	36
103	Measuring thermal properties of oilseeds using time domain nuclear magnetic resonance spectroscopy. <i>Journal of Food Engineering</i> , 2016, 173, 143-149.	5.2	6
104	Detection and quantification of milk adulteration using time domain nuclear magnetic resonance (TD-NMR). <i>Microchemical Journal</i> , 2016, 124, 15-19.	4.5	84
105	Analyses of Biomass Products by Nuclear Magnetic Resonance Spectroscopy. , 2016, , 143-172.		5
106	Non-Invasive Detection of Adulterated Olive Oil in Full Bottles Using Time-Domain NMR Relaxometry. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	11
107	Gadolinium(III) Complexes with N-Alkyl-N-methylglucamine Surfactants Incorporated into Liposomes as Potential MRI Contrast Agents. <i>Bioinorganic Chemistry and Applications</i> , 2015, 2015, 1-8.	4.1	8
108	Measuring the solubility product constant of paramagnetic cations using time-domain nuclear magnetic resonance relaxometry. <i>Microchemical Journal</i> , 2015, 121, 14-17.	4.5	22

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109	Study of liquid-phase molecular packing interactions and morphology of fatty acid methyl esters (biodiesel). <i>Biotechnology for Biofuels</i> , 2015, 8, 12.	6.2	41
110	Time Domain-NMR Combined with Chemometrics Analysis: An Alternative Tool for Monitoring Diesel Fuel Quality. <i>Energy & Fuels</i> , 2015, 29, 2299-2303.	5.1	14
111	Rapid and simultaneous relaxometric methods to study paramagnetic ion complexes in solution: An alternative to spectrophotometry. <i>Microchemical Journal</i> , 2015, 122, 144-148.	4.5	18
112	Liquid-phase characterization of molecular interactions in polyunsaturated and n-fatty acid methyl esters by ¹ H low-field nuclear magnetic resonance. <i>Biotechnology for Biofuels</i> , 2015, 8, 96.	6.2	24
113	Characterization of metabolic profile of intact non-tumor and tumor breast cells by high-resolution magic angle spinning nuclear magnetic resonance spectroscopy. <i>Analytical Biochemistry</i> , 2015, 488, 14-18.	2.4	22
114	On resonance phase alternated CWFP sequences for rapid and simultaneous measurement of relaxation times. <i>Journal of Magnetic Resonance</i> , 2015, 259, 174-178.	2.1	17
115	In situ analysis of copper electrodeposition reaction using unilateral NMR sensor. <i>Journal of Magnetic Resonance</i> , 2015, 261, 83-86.	2.1	24
116	Through-package fat determination in commercial samples of mayonnaise and salad dressing using time-domain nuclear magnetic resonance spectroscopy and chemometrics. <i>Food Control</i> , 2015, 48, 62-66.	5.5	22
117	Determination of Quality Parameters for Mustard Sauces in Sealed Packets Using Time-Domain Nuclear Magnetic Resonance Spectroscopy and Chemometrics. <i>Food Analytical Methods</i> , 2015, 8, 122-125.	2.6	4
118	Crystal Structure of a Schistosoma mansoni Septin Reveals the Phenomenon of Strand Slippage in Septins Dependent on the Nature of the Bound Nucleotide. <i>Journal of Biological Chemistry</i> , 2014, 289, 7799-7811.	3.4	32
119	Why is Inline NMR Rarely Used as Industrial Sensor? Challenges and Opportunities. <i>Chemical Engineering and Technology</i> , 2014, 37, 191-203.	1.5	57
120	A fast and non-destructive method to discriminate beef samples using TD-NMR. <i>Food Control</i> , 2014, 38, 204-208.	5.5	36
121	Suppression of spectral anomalies in SSFP-NMR signal by the Krylov Basis Diagonalization Method. <i>Journal of Magnetic Resonance</i> , 2014, 243, 74-80.	2.1	6
122	<i>In Situ</i> Study of the Magneto-electrolysis Phenomenon during Copper Electrodeposition Using Time Domain NMR Relaxometry. <i>Analytical Chemistry</i> , 2014, 86, 9391-9393.	6.5	20
123	Monitoring electrochemical reactions in situ using steady-state free precession ¹³ C NMR spectroscopy. <i>Analytica Chimica Acta</i> , 2014, 850, 1-5.	5.4	27
124	SIMULATION OF NMR SIGNALS THROUGH THE BLOCH EQUATIONS. <i>Quimica Nova</i> , 2014, , .	0.3	0
125	Biometry and oil contents of <i>Acrocomia aculeata</i> fruits from the Cerrados and Pantanal biomes in Mato Grosso do Sul, Brazil. <i>Industrial Crops and Products</i> , 2013, 45, 208-214.	5.2	95
126	Solvent Suppression in High-Resolution ¹ H NMR Spectroscopy Using Conventional and Phase Alternated Continuous Wave Free Precession. <i>Applied Magnetic Resonance</i> , 2013, 44, 1265-1280.	1.2	6

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127	Fast determination of beef quality parameters with time-domain nuclear magnetic resonance spectroscopy and chemometrics. <i>Talanta</i> , 2013, 108, 88-91.	5.5	34
128	Classification of intact fresh plums according to sweetness using time-domain nuclear magnetic resonance and chemometrics. <i>Microchemical Journal</i> , 2013, 108, 14-17.	4.5	38
129	Valida�o de m�todo quantitativo por RMN de ¹ H para an�lises de formula�es farmac�uticas. <i>Quimica Nova</i> , 2013, 36, 324-330.	0.3	22
130	Propriedades mec�nicas e molhabilidade de filmes de ze�nas extra�das de gl�ten de milho. <i>Polimeros</i> , 2013, 23, 42-48.	0.7	11
131	Evaluation of the catalytic activity of oxide nanoparticles synthesized by the polymeric precursor method on biodiesel production. <i>Journal of Materials Research</i> , 2012, 27, 3020-3026.	2.6	12
132	Processing of high resolution magic angle spinning spectra of breast cancer cells by the filter diagonalization method. <i>Analyst</i> , 2012, 137, 4546.	3.5	9
133	Determination of the Moisture Content in Beef Without Weighing Using Benchtop Time-Domain Nuclear Magnetic Resonance Spectrometer and Chemometrics. <i>Food Analytical Methods</i> , 2012, 5, 1349-1353.	2.6	26
134	Uso da RMN como um sensor online em processos industriais. <i>Quimica Nova</i> , 2012, 35, 2019-2024.	0.3	8
135	Nuclear magnetic resonance spectroscopic analysis of ethyl ester yield in the transesterification of vegetable oil: an accurate method for a truly quantitative analysis. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 1-4.	1.9	10
136	Simultaneous measurements of $\langle T_1 \rangle$ and $\langle T_2 \rangle$ during fast polymerization reaction using continuous wave free precession NMR method. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 534-538.	1.9	15
137	In Situ Quantification of Cu(II) during an Electrodeposition Reaction Using Time-Domain NMR Relaxometry. <i>Analytical Chemistry</i> , 2012, 84, 6351-6354.	6.5	19
138	Use of Carr-Purcell pulse sequence with low refocusing flip angle to measure T1 and T2 in a single experiment. <i>Journal of Magnetic Resonance</i> , 2012, 214, 184-188.	2.1	15
139	Measuring bacterial cells size with AFM. <i>Brazilian Journal of Microbiology</i> , 2012, 43, 341-7.	2.0	7
140	Monitoring the Transesterification Reaction Used in Biodiesel Production, with a Low Cost Unilateral Nuclear Magnetic Resonance Sensor. <i>Energy & Fuels</i> , 2011, 25, 2696-2701.	5.1	37
141	Qualitative analysis by online nuclear magnetic resonance using Carr-Purcell-Meiboom-Gill sequence with low refocusing flip angles. <i>Talanta</i> , 2011, 84, 84-88.	5.5	30
142	Spectroscopic characterization of the exopolysaccharide of <i>Xanthomonas axonopodis</i> pv. <i>citri</i> in Cu ²⁺ resistance mechanism. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 1339-1345.	0.6	22
143	Characterisation of zein-oleic acid films and applications in fruit coating. <i>International Journal of Food Science and Technology</i> , 2011, 46, 2145-2152.	2.7	49
144	¹ H NMR INVESTIGATION OF OIL OXIDATION IN MACADAMIA NUTS COATED WITH ZEIN-BASED FILMS. <i>Journal of Food Processing and Preservation</i> , 2011, 35, 790-796.	2.0	17

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145	Fast Acquisition of ¹³ C NMR Spectra using the Steady-state Free Precession Sequence. <i>Applied Magnetic Resonance</i> , 2011, 40, 331-338.	1.2	10
146	Rapid analyses of oil and fat content in agricultural food products using continuous wave free precession time domain NMR. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, S113-20.	1.9	60
147	Nuclear magnetic resonance water relaxation time changes in bananas during ripening: a new mechanism. <i>Journal of the Science of Food and Agriculture</i> , 2010, 90, n/a-n/a.	3.5	19
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