

Antnio S Barros

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

4,916
citations

40
h-index

63
g-index

169
ext. papers

5,516
ext. citations

5
avg, IF

5.22
L-index

#	Paper	IF	Citations
153	Pseudo-patella baja after total knee arthroplasty: Radiological evaluation and clinical repercussion. <i>Knee</i> , 2021 , 33, 334-341	2.6	0
152	Histological and haemodynamic characterization of right ventricle in sedentary and trained rats with heart failure with preserved ejection fraction. <i>Experimental Physiology</i> , 2021 , 106, 2457-2471	2.4	0
151	Gastric microbiome profile throughout gastric carcinogenesis: beyond helicobacter. <i>Scandinavian Journal of Gastroenterology</i> , 2021 , 56, 708-716	2.4	1
150	Urocortin-2 in Acute Heart Failure: Role as a Marker of Volume Overload and Pulmonary Hypertension. <i>Current Problems in Cardiology</i> , 2021 , 47, 100860	17.1	1
149	Mining the Biomarker Potential of the Urine Peptidome: From Amino Acids Properties to Proteases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
148	Assessing the influence of perfusion on cardiac microtissue maturation: A heart-on-chip platform embedding peristaltic pump capabilities. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3128-3137	4.9	5
147	Serum microRNAs and antifibrotic response to eplerenone in acute myocardial infarction complicated by systolic dysfunction. <i>International Journal of Cardiology</i> , 2021 , 332, 35-37	3.2	2
146	Prevalence, risk factors and proteomic bioprofiles associated with heart failure in rheumatoid arthritis: The RA-HF study. <i>European Journal of Internal Medicine</i> , 2021 , 85, 41-49	3.9	3
145	Exploratory analysis of large-scale lipidome in large cohorts: are we any closer of finding lipid-based markers suitable for CVD risk stratification and management?. <i>Analytica Chimica Acta</i> , 2021 , 1142, 189-200	6.6	5
144	Lipidomics in Cardiovascular Diseases 2021 , 454-467		1
143	Exosome-Derived Mediators as Potential Biomarkers for Cardiovascular Diseases: A Network Approach. <i>Proteomes</i> , 2021 , 9,	4.6	6
142	Clinical Research in Cardiovascular Disease using Metabolomics 2021 , 468-479		
141	Risk Factors for Recoarctation and Mortality in Infants Submitted to Aortic Coarctation Repair: A Systematic Review. <i>Pediatric Cardiology</i> , 2020 , 41, 561-575	2.1	8
140	Influence of EPICardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , 2020 , 39, 625-633	0	
139	Early dual antiplatelet therapy versus aspirin monotherapy after coronary artery bypass surgery: survival and safety outcomes. <i>Journal of Cardiovascular Surgery</i> , 2020 , 61, 662-672	0.7	1
138	Epicardial adipose tissue volume and annexin A2/fetuin-A signalling are linked to coronary calcification in advanced coronary artery disease: Computed tomography and proteomic biomarkers from the EPICHEART study. <i>Atherosclerosis</i> , 2020 , 292, 75-83	3.1	16
137	Influence of EPICardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. <i>Revista Portuguesa De Cardiologia</i> , 2020 , 39, 625-633	1	0

136	Multiple versus single arterial grafting in coronary artery bypass grafting: A meta-analysis of randomized controlled trials and propensity score studies. <i>International Journal of Cardiology</i> , 2020 , 320, 55-63	3.2	4
135	Determinants of anti-fibrotic response to mineralocorticoid receptor antagonist therapy: insights from the Eplerenone Post-Acute Myocardial Infarction Heart Failure Efficacy and Survival Study (EPHESUS) and Early Eplerenone Treatment in Patients with Acute ST-elevation Myocardial Infarction with Heart Failure (EPATH) trials. <i>Clinical Science</i> , 2020 , 133, 194-204	6.1	15
134	Early And Midterm Outcomes Following Aortic Valve Replacement With Mechanical Versus Bioprosthetic Valves In Patients Aged 50 To 70 Years. <i>Revista Portuguesa De Cirurgia Cardio-torãica E Vascolar: Boletim Oficial Da Sociedade Portuguesa De Cirurgia Cardio-Torãica E Vascolar</i> , 2020 , 27, 179-189	0.1	0
133	Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. <i>Journal of Proteome Research</i> , 2019 , 18, 1278-1288	5.6	5
132	FGF2 induces breast cancer growth through ligand-independent activation and recruitment of ER β and PRB β isoform to MYC regulatory sequences. <i>International Journal of Cancer</i> , 2019 , 145, 1874-1888	7.5	19
131	Assessing Exposome Effects on Pregnancy through Urine Metabolomics of a Portuguese (Estarreja) Cohort. <i>Journal of Proteome Research</i> , 2018 , 17, 1278-1289	5.6	7
130	Reviewing Mechanistic Peptidomics in Body Fluids Focusing on Proteases. <i>Proteomics</i> , 2018 , 18, e18001878	4.7	10
129	Intestinal Microbial and Metabolic Profiling of Mice Fed with High-Glucose and High-Fructose Diets. <i>Journal of Proteome Research</i> , 2018 , 17, 2880-2891	5.6	10
128	Collagen biomarker bioprofiles predicting the antifibrotic response to eplerenone in myocardial infarction: findings from the REMINDER trial. <i>Clinical Research in Cardiology</i> , 2018 , 107, 1192-1195	6.1	4
127	Survival after bilateral internal mammary artery in coronary artery bypass grafting: Are women at risk?. <i>International Journal of Cardiology</i> , 2018 , 270, 89-95	3.2	4
126	Quinones as Strecker degradation reagents in wine oxidation processes. <i>Food Chemistry</i> , 2017 , 228, 618-624	6.3	11
125	Gender differences in the association of epicardial adipose tissue and coronary artery calcification: EPICHEART study: EAT and coronary calcification by gender. <i>International Journal of Cardiology</i> , 2017 , 249, 419-425	3.2	20
124	Association of body mass index and visceral fat with aortic valve calcification and mortality after transcatheter aortic valve replacement: the obesity paradox in severe aortic stenosis. <i>Diabetology and Metabolic Syndrome</i> , 2017 , 9, 86	5.6	10
123	From the Cover: Metabolism Modulation in Different Organs by Silver Nanoparticles: An NMR Metabolomics Study of a Mouse Model. <i>Toxicological Sciences</i> , 2017 , 159, 422-435	4.4	27
122	Methodologies for Improved Quality Control Assessment of Food Products 2017 , 13-61		0
121	Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. <i>PLoS ONE</i> , 2017 , 12, e0177749	3.7	32
120	Characterization of 2,3-diaryl-xanthenes by electrospray mass spectrometry: gas-phase chemistry versus known antioxidant activity properties. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 2228-236	2.3	3
119	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , 2016 , 6, 37275	4.9	28

118	Quantification of 3-deoxyglucosone (3DG) as an aging marker in natural and forced aged wines. <i>Journal of Food Composition and Analysis</i> , 2016 , 50, 70-76	4.1	16
117	Metabolic profiling of maternal urine can aid clinical management of gestational diabetes mellitus. <i>Metabolomics</i> , 2016 , 12, 1	4.7	8
116	Newborn Urinary Metabolic Signatures of Prematurity and Other Disorders: A Case Control Study. <i>Journal of Proteome Research</i> , 2016 , 15, 311-25	5.6	18
115	Study of quinones reactions with wine nucleophiles by cyclic voltammetry. <i>Food Chemistry</i> , 2016 , 211, 1-7	8.5	15
114	Cross-species comparison of mammalian saliva using an LC-MALDI based proteomic approach. <i>Proteomics</i> , 2015 , 15, 1598-607	4.8	36
113	Comparative proteomic analyses of urine from rat urothelial carcinoma chemically induced by exposure to N-butyl-N-(4-hydroxybutyl)-nitrosamine. <i>Molecular BioSystems</i> , 2015 , 11, 1594-602		7
112	Impact of fetal chromosomal disorders on maternal blood metabolome: toward new biomarkers?. <i>American Journal of Obstetrics and Gynecology</i> , 2015 , 213, 841.e1-841.e15	6.4	16
111	Prediction of Gestational Diabetes through NMR Metabolomics of Maternal Blood. <i>Journal of Proteome Research</i> , 2015 , 14, 2696-706	5.6	52
110	Influence of the temperature and oxygen exposure in red Port wine: A kinetic approach. <i>Food Research International</i> , 2015 , 75, 337-347	7	35
109	NMR metabolomics of human lung tumours reveals distinct metabolic signatures for adenocarcinoma and squamous cell carcinoma. <i>Carcinogenesis</i> , 2015 , 36, 68-75	4.6	60
108	Can volatile organic compounds be markers of sea salt?. <i>Food Chemistry</i> , 2015 , 169, 102-13	8.5	7
107	Evaluation of the Potential of Mid-Infrared Spectroscopy to Assess the Microbiological Quality of Ham. <i>Journal of Food Safety</i> , 2015 , 35, 270-275	2	7
106	Following healthy pregnancy by NMR metabolomics of plasma and correlation to urine. <i>Journal of Proteome Research</i> , 2015 , 14, 1263-74	5.6	63
105	Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. <i>Food Chemistry</i> , 2014 , 154, 291-8	8.5	35
104	Pursuing type 1 diabetes mellitus and related complications through urinary proteomics. <i>Translational Research</i> , 2014 , 163, 188-99	11	26
103	Lifelong exercise training modulates cardiac mitochondrial phosphoproteome in rats. <i>Journal of Proteome Research</i> , 2014 , 13, 2045-55	5.6	15
102	Three mammal species distinction through the analysis of cats chemical composition provided by comprehensive two-dimensional gas chromatography. <i>Biochemical Systematics and Ecology</i> , 2014 , 55, 46-52	1.4	4
101	An integrated perspective and functional impact of the mitochondrial acetylome. <i>Expert Review of Proteomics</i> , 2014 , 11, 383-94	4.2	12

100	Establishment of the varietal profile of <i>Vitis vinifera</i> L. grape varieties from different geographical regions based on HS-SPME/GC/MS combined with chemometric tools. <i>Microchemical Journal</i> , 2014 , 116, 107-117	4.8	25
99	Evaluation of Beer Deterioration by Gas Chromatography-Mass Spectrometry/Multivariate Analysis 2014 , 435-440		
98	Urinary metabolomic changes as a predictive biomarker of asthma exacerbation. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 261-3.e1-5	11.5	46
97	Following healthy pregnancy by nuclear magnetic resonance (NMR) metabolic profiling of human urine. <i>Journal of Proteome Research</i> , 2013 , 12, 969-79	5.6	42
96	Mid-infrared (MIR) metabolic fingerprinting of amniotic fluid: a possible avenue for early diagnosis of prenatal disorders?. <i>Analytica Chimica Acta</i> , 2013 , 764, 24-31	6.6	22
95	Second trimester maternal urine for the diagnosis of trisomy 21 and prediction of poor pregnancy outcomes. <i>Journal of Proteome Research</i> , 2013 , 12, 2946-57	5.6	61
94	Can volatile organic metabolites be used to simultaneously assess microbial and mite contamination level in cereal grains and coffee beans?. <i>PLoS ONE</i> , 2013 , 8, e59338	3.7	15
93	Allergic asthma exhaled breath metabolome: a challenge for comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2012 , 1254, 87-97	4.5	87
92	Salivary peptidome in type 1 diabetes mellitus. <i>Biomedical Chromatography</i> , 2012 , 26, 571-82	1.7	19
91	Lifestyle influences human sperm functional quality. <i>Asian Pacific Journal of Reproduction</i> , 2012 , 1, 224-230		
90	Evaluation of different extraction procedures for salivary peptide analysis. <i>Talanta</i> , 2012 , 94, 209-15	6.2	22
89	Can Biofluids Metabolic Profiling Help to Improve Healthcare during Pregnancy?. <i>Spectroscopy</i> , 2012 , 27, 515-523		8
88	UPLC-MS metabolic profiling of second trimester amniotic fluid and maternal urine and comparison with NMR spectral profiling for the identification of pregnancy disorder biomarkers. <i>Molecular BioSystems</i> , 2012 , 8, 1243-54		78
87	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of urine. <i>Journal of Proteome Research</i> , 2011 , 10, 221-30	5.6	178
86	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of blood plasma. <i>Journal of Proteome Research</i> , 2011 , 10, 4314-24	5.6	133
85	Metabolic biomarkers of prenatal disorders: an exploratory NMR metabonomics study of second trimester maternal urine and blood plasma. <i>Journal of Proteome Research</i> , 2011 , 10, 3732-42	5.6	125
84	Probing beer aging chemistry by nuclear magnetic resonance and multivariate analysis. <i>Analytica Chimica Acta</i> , 2011 , 702, 178-87	6.6	39
83	High pressure treatments largely avoid/revert decrease of cooked sorghum protein digestibility when applied before/after cooking. <i>LWT - Food Science and Technology</i> , 2011 , 44, 1245-1249	5.4	25

82	Optimisation of solid-phase microextraction combined with gas chromatography-mass spectrometry based methodology to establish the global volatile signature in pulp and skin of <i>Vitis vinifera</i> L. grape varieties. <i>Talanta</i> , 2011 , 85, 1483-93	6.2	57
81	Evaluation of beer deterioration by gas chromatography-mass spectrometry/multivariate analysis: a rapid tool for assessing beer composition. <i>Journal of Chromatography A</i> , 2011 , 1218, 990-6	4.5	31
80	In-depth search focused on furans, lactones, volatile phenols, and acetals as potential age markers of Madeira wines by comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry combined with solid phase microextraction. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 3186-204	5.7	63
79	Profiling allergic asthma volatile metabolic patterns using a headspace-solid phase microextraction/gas chromatography based methodology. <i>Journal of Chromatography A</i> , 2011 , 1218, 3771-80	4.5	71
78	NMR metabolomics of esca disease-affected <i>Vitis vinifera</i> cv. Alvarinho leaves. <i>Journal of Experimental Botany</i> , 2010 , 61, 4033-42	7	66
77	Metabolic profiling of human lung cancer tissue by ¹ H high resolution magic angle spinning (HRMAS) NMR spectroscopy. <i>Journal of Proteome Research</i> , 2010 , 9, 319-32	5.6	123
76	Impact of prenatal disorders on the metabolic profile of second trimester amniotic fluid: a nuclear magnetic resonance metabolomic study. <i>Journal of Proteome Research</i> , 2010 , 9, 6016-24	5.6	77
75	Relationships between the varietal volatile composition of the musts and white wine aroma quality. A four year feasibility study. <i>LWT - Food Science and Technology</i> , 2010 , 43, 1508-1516	5.4	18
74	Can nuclear magnetic resonance (NMR) spectroscopy reveal different metabolic signatures for lung tumours?. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2010 , 457, 715-25	5.1	27
73	Comparison of the effects induced by different processing methods on sorghum proteins. <i>Journal of Cereal Science</i> , 2010 , 51, 146-151	3.8	29
72	Screening of lactic acid bacteria potentially useful for sorghum fermentation. <i>Journal of Cereal Science</i> , 2010 , 52, 9-15	3.8	14
71	Application of Fourier transform infrared spectroscopy and orthogonal projections to latent structures/partial least squares regression for estimation of procyanidins average degree of polymerisation. <i>Analytica Chimica Acta</i> , 2010 , 661, 143-9	6.6	21
70	Quantification of organic acids in beer by nuclear magnetic resonance (NMR)-based methods. <i>Analytica Chimica Acta</i> , 2010 , 674, 166-75	6.6	42
69	Finding new posttranslational modifications in salivary proline-rich proteins. <i>Proteomics</i> , 2010 , 10, 3732-42	4.8	37
68	Effects of fungus inoculation and salt stress on physiology and biochemistry of in vitro grapevines: Emphasis on sugar composition changes by FT-IR analyses. <i>Environmental and Experimental Botany</i> , 2009 , 65, 1-10	5.9	27
67	Determination of oil and water in olive and olive pomace by NIR and multivariate analysis. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009 , 3, 180-186		12
66	Estimation of olive oil acidity using FT-IR and partial least squares regression. <i>Sensing and Instrumentation for Food Quality and Safety</i> , 2009 , 3, 187-191		6
65	Traditional and industrial oven-dry processing of olive fruits: influence on textural properties, cell wall polysaccharide composition, and enzymatic activity. <i>European Food Research and Technology</i> , 2009 , 229, 415-425	3.4	7

64	Towards defining the whole salivary peptidome. <i>Proteomics - Clinical Applications</i> , 2009 , 3, 528-540	3.1	33
63	Search for suitable maturation parameters to define the harvest maturity of plums (<i>Prunus domestica</i> L.): A case study of candied plums. <i>Food Chemistry</i> , 2009 , 112, 570-574	8.5	20
62	Establishment of the volatile profile of Bravo de Esmolfe apple variety and identification of varietal markers. <i>Food Chemistry</i> , 2009 , 113, 513-521	8.5	31
61	Improving the detection of significant factors using ANOVA-PCA by selective reduction of residual variability. <i>Analytica Chimica Acta</i> , 2009 , 653, 131-42	6.6	23
60	Analysis of Non-Aromatic Organic Acids in Beer by CE and Direct Detection Mode with Diode Array Detection. <i>Chromatographia</i> , 2009 , 70, 1737-1742	2.1	10
59	(1)H NMR based metabonomics of human amniotic fluid for the metabolic characterization of fetus malformations. <i>Journal of Proteome Research</i> , 2009 , 8, 4144-50	5.6	55
58	Characterization of plum procyanidins by thiolytic depolymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 5188-96	5.7	26
57	Protein profile and malt activity during sorghum germination. <i>Journal of the Science of Food and Agriculture</i> , 2008 , 88, 2598-2605	4.3	35
56	Method for analysis dried vine fruits contaminated with ochratoxin A. <i>Analytica Chimica Acta</i> , 2008 , 617, 59-63	6.6	17
55	Using ANOVA-PCA for discriminant analysis: application to the study of mid-infrared spectra of carrageenan gels as a function of concentration and temperature. <i>Analytica Chimica Acta</i> , 2008 , 629, 47-55	6.6	16
54	Characterization of dextrin hydrogels by FTIR spectroscopy and solid state NMR spectroscopy. <i>European Polymer Journal</i> , 2008 , 44, 2318-2329	5.2	28
53	Principal component transform Outer product analysis in the PCA context. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008 , 93, 43-48	3.8	12
52	Potential of NMR spectroscopy for the study of human amniotic fluid. <i>Analytical Chemistry</i> , 2007 , 79, 8367-75	7.8	32
51	Metabolic characterisation of plasma in juveniles with glycogen storage disease type 1a (GSD1a) by high-resolution (1)H NMR spectroscopy. <i>NMR in Biomedicine</i> , 2007 , 20, 401-12	4.4	30
50	Establishment of the varietal volatile profile of musts from white <i>Vitis vinifera</i> L. varieties. <i>Journal of the Science of Food and Agriculture</i> , 2007 , 87, 1667-1676	4.3	18
49	The combined effects of black oxidising table olive process and ripening on the cell wall polysaccharides of olive pulp. <i>Carbohydrate Polymers</i> , 2007 , 68, 647-657	10.3	15
48	Segmented Principal Component Transform Partial Least Squares regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007 , 89, 59-68	3.8	3
47	Screening of variety- and pre-fermentation-related volatile compounds during ripening of white grapes to define their evolution profile. <i>Analytica Chimica Acta</i> , 2007 , 597, 257-64	6.6	62

46	Infrared spectroscopy and outer product analysis for quantification of fat, nitrogen, and moisture of cocoa powder. <i>Analytica Chimica Acta</i> , 2007 , 601, 77-86	6.6	69
45	FTIR-ATR infrared spectroscopy for the detection of ochratoxin A in dried vine fruit. <i>Food Additives and Contaminants</i> , 2007 , 24, 1299-305		15
44	Ripening-related changes in the cell walls of olive (<i>Olea europaea</i> L.) pulp of two consecutive harvests. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 988-998	4.3	22
43	Composition of beer by ¹ H NMR spectroscopy: effects of brewing site and date of production. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 700-6	5.7	77
42	Influence of hydration of food additive polysaccharides on FT-IR spectra distinction. <i>Carbohydrate Polymers</i> , 2006 , 63, 355-359	10.3	38
41	Rapid tool for distinction of wines based on the global volatile signature. <i>Journal of Chromatography A</i> , 2006 , 1114, 188-97	4.5	33
40	Effect of black oxidising table olive process on the cell wall polysaccharides of olive pulp (<i>Olea europaea</i> L. var. Negrinha do Douro). <i>Carbohydrate Polymers</i> , 2006 , 65, 1-8	10.3	20
39	Characterization of kafirin and zein oligomers by preparative sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 639-43	5.7	33
38	Sorghum fermentation followed by spectroscopic techniques. <i>Food Chemistry</i> , 2005 , 90, 853-859	8.5	51
37	Outer-product analysis (OPA) using PCA to study the influence of temperature on NIR spectra of water. <i>Vibrational Spectroscopy</i> , 2005 , 39, 50-58	2.1	27
36	Quantification of polymeric mannose in wine extracts by FT-IR spectroscopy and OSC-PLS1 regression. <i>Carbohydrate Polymers</i> , 2005 , 61, 434-440	10.3	35
35	Study of cork (from <i>Quercus suber</i> L.)-wine model interactions based on voltammetric multivariate analysis. <i>Analytica Chimica Acta</i> , 2005 , 528, 147-156	6.6	16
34	Segmented principal component transform/Principal component analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005 , 78, 125-137	3.8	15
33	Screening and distinction of coffee brews based on headspace solid phase microextraction/gas chromatography/principal component analysis. <i>Journal of the Science of Food and Agriculture</i> , 2004 , 84, 43-51	4.3	51
32	PLS_Cluster: a novel technique for cluster analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004 , 70, 99-112	3.8	11
31	Principal components transform-partial least squares: a novel method to accelerate cross-validation in PLS regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004 , 73, 245-255	3.8	21
30	Sequential in vitro pepsin digestion of uncooked and cooked sorghum and maize samples. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 2052-8	5.7	55
29	Anatomy and cell wall polysaccharides of almond (<i>Prunus dulcis</i> D. A. Webb) seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 1364-70	5.7	42

28	Multivariate analysis of NMR and FTIR data as a potential tool for the quality control of beer. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 1031-8	5.7	107
27	Characterisation of Chilean hazelnut (<i>Gevuina avellana</i>) tissues: light microscopy and cell wall polysaccharides. <i>Journal of the Science of Food and Agriculture</i> , 2003 , 83, 158-165	4.3	8
26	Use of FT-IR spectroscopy as a tool for the analysis of polysaccharide food additives. <i>Carbohydrate Polymers</i> , 2003 , 51, 383-389	10.3	170
25	Determination of the degree of methylesterification of pectic polysaccharides by FT-IR using an outer product PLS1 regression. <i>Carbohydrate Polymers</i> , 2002 , 50, 85-94	10.3	72
24	Durbin-Watson statistic as a morphological estimator of information content. <i>Analytica Chimica Acta</i> , 2002 , 454, 277-295	6.6	56
23	High-resolution nuclear magnetic resonance spectroscopy and multivariate analysis for the characterization of beer. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 2475-81	5.7	136
22	Application of FTIR spectroscopy for the quantification of sugars in mango juice as a function of ripening. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 3104-11	5.7	84
21	Fourier transform infrared spectroscopy and chemometric analysis of white wine polysaccharide extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 3405-11	5.7	106
20	Use of FT-IR spectroscopy to follow the effect of processing in cell wall polysaccharide extracts of a sun-dried pear. <i>Carbohydrate Polymers</i> , 2001 , 45, 175-182	10.3	47
19	Variability of cork from Portuguese <i>Quercus suber</i> studied by solid-state (¹³ C)-NMR and FTIR spectroscopies. <i>Biopolymers</i> , 2001 , 62, 268-77	2.2	53
18	Polish smoothed partial least-squares regression. <i>Analytica Chimica Acta</i> , 2001 , 446, 279-294	6.6	21
17	Headspace solid phase microextraction (SPME) analysis of flavor compounds in wines. Effect of the matrix volatile composition in the relative response factors in a wine model. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 5142-51	5.7	113
16	Aroma potential of two bairrada white grape varieties: Maria Gomes and Bical. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 4802-7	5.7	43
15	FTIR spectroscopy as a tool for the analysis of olive pulp cell-wall polysaccharide extracts. <i>Carbohydrate Research</i> , 1999 , 317, 145-154	2.9	125
14	Analysis of Time Domain NMR and Other Signals 1999 , 203-216		5
13	Multivariate analysis of uronic acid and neutral sugars in whole pectic samples by FT-IR spectroscopy. <i>Carbohydrate Polymers</i> , 1998 , 37, 241-248	10.3	158
12	Genetic algorithm applied to the selection of principal components. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998 , 40, 65-81	3.8	56
11	Method for detecting information in signals: application to two-dimensional time domain NMR data. <i>The Analyst</i> , 1998 , 123, 551-559	5	9

10	Application of an Electronic Aroma Sensing System to Cork Stopper Quality Control. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 145-151	5.7	26
9	NIR and other Luminometric Methods to Monitor the Primary Clotting Phase of Milk. <i>Journal of Near Infrared Spectroscopy</i> , 1998 , 6, 205-211	1.5	4
8	Complexation stoichiometry determined by application of chemometrics to time domain nuclear magnetic resonance signals. <i>Analisis - European Journal of Analytical Chemistry</i> , 1998 , 26, 70-73		4
7	Analysis of Uronic Acid in Pectic Material by FT-IR Spectroscopy 1997 , 275-276		1
6	Relations between Mid-Infrared and Near-Infrared Spectra Detected by Analysis of Variance of an Interveriable Data Matrix. <i>Applied Spectroscopy</i> , 1997 , 51, 1384-1393	3.1	35
5	Quantification of arabinose in pectic polysaccharides by FT-IR spectroscopy. <i>Carbohydrate Polymers</i> , 1997 , 34, 426	10.3	2
4	ANOVA and factor analysis applied to time domain NMR signals. <i>Magnetic Resonance in Chemistry</i> , 1997 , 35, S13-S21	2.1	18
3	Methodologies for Improved Quality Control Assessment of Food Products 11-47		
2	Characterization of Kafirin and Zein Oligomers by Preparative Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis		2
1	Interpreting infrared spectra of solutions by outer product analysis with time domain-NMR. <i>Special Publication - Royal Society of Chemistry</i> , 179-192	0.1	6