

# Antnio S Barros

## List of Publications by Citations

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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	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of urine. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 221-30	5.6	178
152	Use of FT-IR spectroscopy as a tool for the analysis of polysaccharide food additives. <i>Carbohydrate Polymers</i> , <b>2003</b> , 51, 383-389	10.3	170
151	Multivariate analysis of uronic acid and neutral sugars in whole pectic samples by FT-IR spectroscopy. <i>Carbohydrate Polymers</i> , <b>1998</b> , 37, 241-248	10.3	158
150	High-resolution nuclear magnetic resonance spectroscopy and multivariate analysis for the characterization of beer. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 2475-81	5.7	136
149	Metabolic signatures of lung cancer in biofluids: NMR-based metabonomics of blood plasma. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 4314-24	5.6	133
148	Metabolic biomarkers of prenatal disorders: an exploratory NMR metabonomics study of second trimester maternal urine and blood plasma. <i>Journal of Proteome Research</i> , <b>2011</b> , 10, 3732-42	5.6	125
147	FTIR spectroscopy as a tool for the analysis of olive pulp cell-wall polysaccharide extracts. <i>Carbohydrate Research</i> , <b>1999</b> , 317, 145-154	2.9	125
146	Metabolic profiling of human lung cancer tissue by 1H high resolution magic angle spinning (HRMAS) NMR spectroscopy. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 319-32	5.6	123
145	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> , <b>2001</b> , 49, 5142-51	5.7	113
144	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> , <b>2004</b> , 52, 1031-8	5.7	107
143	Fourier transform infrared spectroscopy and chemometric analysis of white wine polysaccharide extracts. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 3405-11	5.7	106
142	Allergic asthma exhaled breath metabolome: a challenge for comprehensive two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , <b>2012</b> , 1254, 87-97	4.5	87
141	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> , <b>2002</b> , 50, 3104-11	5.7	84
140	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> , <b>2012</b> , 8, 1243-54		78
139	Impact of prenatal disorders on the metabolic profile of second trimester amniotic fluid: a nuclear magnetic resonance metabonomic study. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 6016-24	5.6	77
138	Composition of beer by 1H NMR spectroscopy: effects of brewing site and date of production. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 700-6	5.7	77
137	Determination of the degree of methylesterification of pectic polysaccharides by FT-IR using an outer product PLS1 regression. <i>Carbohydrate Polymers</i> , <b>2002</b> , 50, 85-94	10.3	72

136	Profiling allergic asthma volatile metabolic patterns using a headspace-solid phase microextraction/gas chromatography based methodology. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 3771-80	4.5	71
135	Infrared spectroscopy and outer product analysis for quantification of fat, nitrogen, and moisture of cocoa powder. <i>Analytica Chimica Acta</i> , <b>2007</b> , 601, 77-86	6.6	69
134	NMR metabolomics of esca disease-affected <i>Vitis vinifera</i> cv. Alvarinho leaves. <i>Journal of Experimental Botany</i> , <b>2010</b> , 61, 4033-42	7	66
133	Following healthy pregnancy by NMR metabolomics of plasma and correlation to urine. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 1263-74	5.6	63
132	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> , <b>2011</b> , 59, 3186-204	5.7	63
131	Screening of variety- and pre-fermentation-related volatile compounds during ripening of white grapes to define their evolution profile. <i>Analytica Chimica Acta</i> , <b>2007</b> , 597, 257-64	6.6	62
130	Second trimester maternal urine for the diagnosis of trisomy 21 and prediction of poor pregnancy outcomes. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 2946-57	5.6	61
129	NMR metabolomics of human lung tumours reveals distinct metabolic signatures for adenocarcinoma and squamous cell carcinoma. <i>Carcinogenesis</i> , <b>2015</b> , 36, 68-75	4.6	60
128	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> , <b>2011</b> , 85, 1483-93	6.2	57
127	Genetic algorithm applied to the selection of principal components. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>1998</b> , 40, 65-81	3.8	56
126	Durbin-Watson statistic as a morphological estimator of information content. <i>Analytica Chimica Acta</i> , <b>2002</b> , 454, 277-295	6.6	56
125	(1)H NMR based metabonomics of human amniotic fluid for the metabolic characterization of fetus malformations. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 4144-50	5.6	55
124	Sequential in vitro pepsin digestion of uncooked and cooked sorghum and maize samples. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 2052-8	5.7	55
123	Variability of cork from Portuguese <i>Quercus suber</i> studied by solid-state (13)C-NMR and FTIR spectroscopies. <i>Biopolymers</i> , <b>2001</b> , 62, 268-77	2.2	53
122	Prediction of Gestational Diabetes through NMR Metabolomics of Maternal Blood. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2696-706	5.6	52
121	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> , <b>2004</b> , 84, 43-51	4.3	51
120	Sorghum fermentation followed by spectroscopic techniques. <i>Food Chemistry</i> , <b>2005</b> , 90, 853-859	8.5	51
119	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> , <b>2001</b> , 45, 175-182	10.3	47

118	Urinary metabolomic changes as a predictive biomarker of asthma exacerbation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 133, 261-3.e1-5	11.5	46
117	Aroma potential of two bairrada white grape varieties: Maria Gomes and Bical. <i>Journal of Agricultural and Food Chemistry</i> , <b>2000</b> , 48, 4802-7	5.7	43
116	Following healthy pregnancy by nuclear magnetic resonance (NMR) metabolic profiling of human urine. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 969-79	5.6	42
115	Quantification of organic acids in beer by nuclear magnetic resonance (NMR)-based methods. <i>Analytica Chimica Acta</i> , <b>2010</b> , 674, 166-75	6.6	42
114	Anatomy and cell wall polysaccharides of almond ( <i>Prunus dulcis</i> D. A. Webb) seeds. <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 1364-70	5.7	42
113	Probing beer aging chemistry by nuclear magnetic resonance and multivariate analysis. <i>Analytica Chimica Acta</i> , <b>2011</b> , 702, 178-87	6.6	39
112	Influence of hydration of food additive polysaccharides on FT-IR spectra distinction. <i>Carbohydrate Polymers</i> , <b>2006</b> , 63, 355-359	10.3	38
111	Finding new posttranslational modifications in salivary proline-rich proteins. <i>Proteomics</i> , <b>2010</b> , 10, 3732-42	4.8	37
110	Cross-species comparison of mammalian saliva using an LC-MALDI based proteomic approach. <i>Proteomics</i> , <b>2015</b> , 15, 1598-607	4.8	36
109	Influence of the temperature and oxygen exposure in red Port wine: A kinetic approach. <i>Food Research International</i> , <b>2015</b> , 75, 337-347	7	35
108	Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. <i>Food Chemistry</i> , <b>2014</b> , 154, 291-8	8.5	35
107	Relations between Mid-Infrared and Near-Infrared Spectra Detected by Analysis of Variance of an Intersubject Data Matrix. <i>Applied Spectroscopy</i> , <b>1997</b> , 51, 1384-1393	3.1	35
106	Protein profile and malt activity during sorghum germination. <i>Journal of the Science of Food and Agriculture</i> , <b>2008</b> , 88, 2598-2605	4.3	35
105	Quantification of polymeric mannose in wine extracts by FT-IR spectroscopy and OSC-PLS1 regression. <i>Carbohydrate Polymers</i> , <b>2005</b> , 61, 434-440	10.3	35
104	Towards defining the whole salivary peptidome. <i>Proteomics - Clinical Applications</i> , <b>2009</b> , 3, 528-540	3.1	33
103	Characterization of kafirin and zein oligomers by preparative sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 639-43	5.7	33
102	Rapid tool for distinction of wines based on the global volatile signature. <i>Journal of Chromatography A</i> , <b>2006</b> , 1114, 188-97	4.5	33
101	Potential of NMR spectroscopy for the study of human amniotic fluid. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 8367-75	7.8	32

100	Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177749	3.7	32
99	Evaluation of beer deterioration by gas chromatography-mass spectrometry/multivariate analysis: a rapid tool for assessing beer composition. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 990-6	4.5	31
98	Establishment of the volatile profile of Bravo de Esmolfe apple variety and identification of varietal markers. <i>Food Chemistry</i> , <b>2009</b> , 113, 513-521	8.5	31
97	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> , <b>2007</b> , 20, 401-12	4.4	30
96	Comparison of the effects induced by different processing methods on sorghum proteins. <i>Journal of Cereal Science</i> , <b>2010</b> , 51, 146-151	3.8	29
95	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. <i>Scientific Reports</i> , <b>2016</b> , 6, 37275	4.9	28
94	Characterization of dextrin hydrogels by FTIR spectroscopy and solid state NMR spectroscopy. <i>European Polymer Journal</i> , <b>2008</b> , 44, 2318-2329	5.2	28
93	From the Cover: Metabolism Modulation in Different Organs by Silver Nanoparticles: An NMR Metabolomics Study of a Mouse Model. <i>Toxicological Sciences</i> , <b>2017</b> , 159, 422-435	4.4	27
92	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> , <b>2009</b> , 65, 1-10	5.9	27
91	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> , <b>2010</b> , 457, 715-25	5.1	27
90	Outer-product analysis (OPA) using PCA to study the influence of temperature on NIR spectra of water. <i>Vibrational Spectroscopy</i> , <b>2005</b> , 39, 50-58	2.1	27
89	Pursuing type 1 diabetes mellitus and related complications through urinary proteomics. <i>Translational Research</i> , <b>2014</b> , 163, 188-99	11	26
88	Characterization of plum procyanidins by thiolytic depolymerization. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 5188-96	5.7	26
87	Application of an Electronic Aroma Sensing System to Cork Stopper Quality Control. <i>Journal of Agricultural and Food Chemistry</i> , <b>1998</b> , 46, 145-151	5.7	26
86	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> , <b>2014</b> , 116, 107-117	4.8	25
85	High pressure treatments largely avoid/revert decrease of cooked sorghum protein digestibility when applied before/after cooking. <i>LWT - Food Science and Technology</i> , <b>2011</b> , 44, 1245-1249	5.4	25
84	Improving the detection of significant factors using ANOVA-PCA by selective reduction of residual variability. <i>Analytica Chimica Acta</i> , <b>2009</b> , 653, 131-42	6.6	23
83	Mid-infrared (MIR) metabolic fingerprinting of amniotic fluid: a possible avenue for early diagnosis of prenatal disorders?. <i>Analytica Chimica Acta</i> , <b>2013</b> , 764, 24-31	6.6	22

82	Evaluation of different extraction procedures for salivary peptide analysis. <i>Talanta</i> , <b>2012</b> , 94, 209-15	6.2	22
81	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> , <b>2006</b> , 86, 988-998	4.3	22
80	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> , <b>2010</b> , 661, 143-9	6.6	21
79	Principal components transform-partial least squares: a novel method to accelerate cross-validation in PLS regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2004</b> , 73, 245-255	3.8	21
78	Polish smoothed partial least-squares regression. <i>Analytica Chimica Acta</i> , <b>2001</b> , 446, 279-294	6.6	21
77	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> , <b>2017</b> , 249, 419-425	3.2	20
76	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> , <b>2009</b> , 112, 570-574	8.5	20
75	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> , <b>2006</b> , 65, 1-8	10.3	20
74	FGF2 induces breast cancer growth through ligand-independent activation and recruitment of ER $\beta$ and PRB $\beta$ isoform to MYC regulatory sequences. <i>International Journal of Cancer</i> , <b>2019</b> , 145, 1874-1888	7.5	19
73	Salivary peptidome in type 1 diabetes mellitus. <i>Biomedical Chromatography</i> , <b>2012</b> , 26, 571-82	1.7	19
72	Newborn Urinary Metabolic Signatures of Prematurity and Other Disorders: A Case Control Study. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 311-25	5.6	18
71	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> , <b>2010</b> , 43, 1508-1516	5.4	18
70	ANOVA and factor analysis applied to time domain NMR signals. <i>Magnetic Resonance in Chemistry</i> , <b>1997</b> , 35, S13-S21	2.1	18
69	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> , <b>2007</b> , 87, 1667-1676	4.3	18
68	Method for analysis dried vine fruits contaminated with ochratoxin A. <i>Analytica Chimica Acta</i> , <b>2008</b> , 617, 59-63	6.6	17
67	Impact of fetal chromosomal disorders on maternal blood metabolome: toward new biomarkers?. <i>American Journal of Obstetrics and Gynecology</i> , <b>2015</b> , 213, 841.e1-841.e15	6.4	16
66	Quantification of 3-deoxyglucosone (3DG) as an aging marker in natural and forced aged wines. <i>Journal of Food Composition and Analysis</i> , <b>2016</b> , 50, 70-76	4.1	16
65	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> , <b>2008</b> , 629, 47-55	6.6	16

64	Study of cork (from <i>Quercus suber</i> L.)-wine model interactions based on voltammetric multivariate analysis. <i>Analytica Chimica Acta</i> , <b>2005</b> , 528, 147-156	6.6	16
63	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> , <b>2020</b> , 292, 75-83	3.1	16
62	Lifelong exercise training modulates cardiac mitochondrial phosphoproteome in rats. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 2045-55	5.6	15
61	Can volatile organic metabolites be used to simultaneously assess microbial and mite contamination level in cereal grains and coffee beans?. <i>PLoS ONE</i> , <b>2013</b> , 8, e59338	3.7	15
60	The combined effects of black oxidising table olive process and ripening on the cell wall polysaccharides of olive pulp. <i>Carbohydrate Polymers</i> , <b>2007</b> , 68, 647-657	10.3	15
59	FTIR-ATR infrared spectroscopy for the detection of ochratoxin A in dried vine fruit. <i>Food Additives and Contaminants</i> , <b>2007</b> , 24, 1299-305		15
58	Segmented principal component transform Principal component analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2005</b> , 78, 125-137	3.8	15
57	Study of quinones reactions with wine nucleophiles by cyclic voltammetry. <i>Food Chemistry</i> , <b>2016</b> , 211, 1-7	8.5	15
56	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 without Heart Failure (REMINDER) trials. <i>Clinical Research in Cardiology</i> , <b>2020</b> , 109, 194-204	6.1	15
55	Screening of lactic acid bacteria potentially useful for sorghum fermentation. <i>Journal of Cereal Science</i> , <b>2010</b> , 52, 9-15	3.8	14
54	An integrated perspective and functional impact of the mitochondrial acetylome. <i>Expert Review of Proteomics</i> , <b>2014</b> , 11, 383-94	4.2	12
53	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> , <b>2009</b> , 3, 180-186		12
52	Principal component transform Outer product analysis in the PCA context. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2008</b> , 93, 43-48	3.8	12
51	Quinones as Strecker degradation reagents in wine oxidation processes. <i>Food Chemistry</i> , <b>2017</b> , 228, 618-624	6.5	11
50	PLS_Cluster: a novel technique for cluster analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2004</b> , 70, 99-112	3.8	11
49	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> , <b>2017</b> , 9, 86	5.6	10
48	Reviewing Mechanistic Peptidomics in Body Fluids Focusing on Proteases. <i>Proteomics</i> , <b>2018</b> , 18, e18001878	4.78	10
47	Intestinal Microbial and Metabolic Profiling of Mice Fed with High-Glucose and High-Fructose Diets. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 2880-2891	5.6	10

46	Analysis of Non-Aromatic Organic Acids in Beer by CE and Direct Detection Mode with Diode Array Detection. <i>Chromatographia</i> , <b>2009</b> , 70, 1737-1742	2.1	10
45	Method for detecting information in signals: application to two-dimensional time domain NMR data. <i>Analyst, The</i> , <b>1998</b> , 123, 551-559	5	9
44	Risk Factors for Recoarctation and Mortality in Infants Submitted to Aortic Coarctation Repair: A Systematic Review. <i>Pediatric Cardiology</i> , <b>2020</b> , 41, 561-575	2.1	8
43	Metabolic profiling of maternal urine can aid clinical management of gestational diabetes mellitus. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	8
42	Can Biofluids Metabolic Profiling Help to Improve Healthcare during Pregnancy?. <i>Spectroscopy</i> , <b>2012</b> , 27, 515-523		8
41	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> , <b>2003</b> , 83, 158-165	4.3	8
40	Comparative proteomic analyses of urine from rat urothelial carcinoma chemically induced by exposure to N-butyl-N-(4-hydroxybutyl)-nitrosamine. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 1594-602		7
39	Can volatile organic compounds be markers of sea salt?. <i>Food Chemistry</i> , <b>2015</b> , 169, 102-13	8.5	7
38	Assessing Exposome Effects on Pregnancy through Urine Metabolomics of a Portuguese (Estarreja) Cohort. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 1278-1289	5.6	7
37	Evaluation of the Potential of Mid-Infrared Spectroscopy to Assess the Microbiological Quality of Ham. <i>Journal of Food Safety</i> , <b>2015</b> , 35, 270-275	2	7
36	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> , <b>2009</b> , 229, 415-425	3.4	7
35	Estimation of olive oil acidity using FT-IR and partial least squares regression. <i>Sensing and Instrumentation for Food Quality and Safety</i> , <b>2009</b> , 3, 187-191		6
34	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
33	Exosome-Derived Mediators as Potential Biomarkers for Cardiovascular Diseases: A Network Approach. <i>Proteomes</i> , <b>2021</b> , 9,	4.6	6
32	Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 1278-1288	5.6	5
31	Analysis of Time Domain NMR and Other Signals <b>1999</b> , 203-216		5
30	Assessing the influence of perfusion on cardiac microtissue maturation: A heart-on-chip platform embedding peristaltic pump capabilities. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 3128-3137	4.9	5
29	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> , <b>2021</b> , 1142, 189-200	6.6	5



28	Three mammal species distinction through the analysis of feces chemical composition provided by comprehensive two-dimensional gas chromatography. <i>Biochemical Systematics and Ecology</i> , <b>2014</b> , 55, 46-52	1.4	4
27	NIR and other Luminometric Methods to Monitor the Primary Clotting Phase of Milk. <i>Journal of Near Infrared Spectroscopy</i> , <b>1998</b> , 6, 205-211	1.5	4
26	Complexation stoichiometry determined by application of chemometrics to time domain nuclear magnetic resonance signals. <i>Analisis - European Journal of Analytical Chemistry</i> , <b>1998</b> , 26, 70-73		4
25	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> , <b>2020</b> , 320, 55-63	3.2	4
24	Collagen biomarker bioprofiles predicting the antifibrotic response to eplerenone in myocardial infarction: findings from the REMINDER trial. <i>Clinical Research in Cardiology</i> , <b>2018</b> , 107, 1192-1195	6.1	4
23	Survival after bilateral internal mammary artery in coronary artery bypass grafting: Are women at risk?. <i>International Journal of Cardiology</i> , <b>2018</b> , 270, 89-95	3.2	4
22	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> , <b>2016</b> , 30, 2228-236	2.3	3
21	Segmented Principal Component Transform Partial Least Squares regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2007</b> , 89, 59-68	3.8	3
20	Prevalence, risk factors and proteomic bioprofiles associated with heart failure in rheumatoid arthritis: The RA-HF study. <i>European Journal of Internal Medicine</i> , <b>2021</b> , 85, 41-49	3.9	3
19	Quantification of arabinose in pectic polysaccharides by FT-IR spectroscopy. <i>Carbohydrate Polymers</i> , <b>1997</b> , 34, 426	10.3	2
18	Characterization of Kafirin and Zein Oligomers by Preparative Sodium Dodecyl Sulfate Polyacrylamide Gel Electrophoresis		2
17	Serum microRNAs and antifibrotic response to eplerenone in acute myocardial infarction complicated by systolic dysfunction. <i>International Journal of Cardiology</i> , <b>2021</b> , 332, 35-37	3.2	2
16	Analysis of Uronic Acid in Pectic Material by FT-IR Spectroscopy <b>1997</b> , 275-276		1
15	Early dual antiplatelet therapy versus aspirin monotherapy after coronary artery bypass surgery: survival and safety outcomes. <i>Journal of Cardiovascular Surgery</i> , <b>2020</b> , 61, 662-672	0.7	1
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