AntÃ³nio S Barros

List of Publications by Year
in descending order

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165 papers	6,069 citations	53794 45 h-index	91884 69 g-index
170 all docs	170 docs citations	170 times ranked	8206 citing authors

#	Article	IF	Citations
1	Use of FT-IR spectroscopy as a tool for the analysis of polysaccharide food additives. Carbohydrate Polymers, 2003, 51, 383-389.	10.2	207
2	Metabolic Signatures of Lung Cancer in Biofluids: NMR-Based Metabonomics of Urine. Journal of Proteome Research, 2011, 10, 221-230.	3.7	205
3	Multivariate analysis of uronic acid and neutral sugars in whole pectic samples by FT-IR spectroscopy. Carbohydrate Polymers, 1998, 37, 241-248.	10.2	179
4	Metabolic Signatures of Lung Cancer in Biofluids: NMR-Based Metabonomics of Blood Plasma. Journal of Proteome Research, 2011, 10, 4314-4324.	3.7	154
5	High-Resolution Nuclear Magnetic Resonance Spectroscopy and Multivariate Analysis for the Characterization of Beer. Journal of Agricultural and Food Chemistry, 2002, 50, 2475-2481.	5.2	144
6	Metabolic Biomarkers of Prenatal Disorders: An Exploratory NMR Metabonomics Study of Second Trimester Maternal Urine and Blood Plasma. Journal of Proteome Research, 2011, 10, 3732-3742.	3.7	144
7	FTIR spectroscopy as a tool for the analysis of olive pulp cell-wall polysaccharide extracts. Carbohydrate Research, 1999, 317, 145-154.	2.3	141
8	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. Journal of Agricultural and Food Chemistry, 2001, 49, 5142-5151.	5.2	137
9	Metabolic Profiling of Human Lung Cancer Tissue by 1H High Resolution Magic Angle Spinning (HRMAS) NMR Spectroscopy. Journal of Proteome Research, 2010, 9, 319-332.	3.7	136
10	Multivariate Analysis of NMR and FTIR Data as a Potential Tool for the Quality Control of Beer. Journal of Agricultural and Food Chemistry, 2004, 52, 1031-1038.	5.2	126
11	Fourier Transform Infrared Spectroscopy and Chemometric Analysis of White Wine Polysaccharide Extracts. Journal of Agricultural and Food Chemistry, 2002, 50, 3405-3411.	5.2	115
12	Allergic asthma exhaled breath metabolome: A challenge for comprehensive two-dimensional gas chromatography. Journal of Chromatography A, 2012, 1254, 87-97.	3.7	106
13	Application of FTIR Spectroscopy for the Quantification of Sugars in Mango Juice as a Function of Ripening. Journal of Agricultural and Food Chemistry, 2002, 50, 3104-3111.	5.2	97
14	Impact of Prenatal Disorders on the Metabolic Profile of Second Trimester Amniotic Fluid: A Nuclear Magnetic Resonance Metabonomic Study. Journal of Proteome Research, 2010, 9, 6016-6024.	3.7	94
15	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. Molecular BioSystems, 2012, 8, 1243.	2.9	94
16	Composition of Beer by 1H NMR Spectroscopy:â€‰ Effects of Brewing Site and Date of Production. Journal of Agricultural and Food Chemistry, 2006, 54, 700-706.	5.2	88
17	Infrared spectroscopy and outer product analysis for quantification of fat, nitrogen, and moisture of cocoa powder. Analytica Chimica Acta, 2007, 601, 77-86.	5.4	86
18	Profiling allergic asthma volatile metabolic patterns using a headspace-solid phase microextraction/gas chromatography based methodology. Journal of Chromatography A, 2011, 1218, 3771-3780.	3.7	82

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19	Determination of the degree of methylesterification of pectic polysaccharides by FT-IR using an outer product PLS1 regression. Carbohydrate Polymers, 2002, 50, 85-94.	10.2	79
20	NMR metabolomics of esca disease-affected Vitis vinifera cv. Alvarinho leaves. Journal of Experimental Botany, 2010, 61, 4033-4042.	4.8	78
21	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. Journal of Agricultural and Food Chemistry, 2011, 59, 3186-3204.	5.2	78
22	NMR metabolomics of human lung tumours reveals distinct metabolic signatures for adenocarcinoma and squamous cell carcinoma. Carcinogenesis, 2015, 36, 68-75.	2.8	75
23	Following Healthy Pregnancy by NMR Metabolomics of Plasma and Correlation to Urine. Journal of Proteome Research, 2015, 14, 1263-1274.	3.7	72
24	Prediction of Gestational Diabetes through NMR Metabolomics of Maternal Blood. Journal of Proteome Research, 2015, 14, 2696-2706.	3.7	70
25	Screening of variety- and pre-fermentation-related volatile compounds during ripening of white grapes to define their evolution profile. Analytica Chimica Acta, 2007, 597, 257-264.	5.4	68
26	Second Trimester Maternal Urine for the Diagnosis of Trisomy 21 and Prediction of Poor Pregnancy Outcomes. Journal of Proteome Research, 2013, 12, 2946-2957.	3.7	68
27	Genetic algorithm applied to the selection of principal components. Chemometrics and Intelligent Laboratory Systems, 1998, 40, 65-81.	3.5	66
28	Durbinâ€“Watson statistic as a morphological estimator of information content. Analytica Chimica Acta, 2002, 454, 277-295.	5.4	65
29	Sequential in Vitro Pepsin Digestion of Uncooked and Cooked Sorghum and Maize Samples. Journal of Agricultural and Food Chemistry, 2004, 52, 2052-2058.	5.2	65
30	Optimisation of solid-phase microextraction combined with gas chromatographyâ€“mass spectrometry based methodology to establish the global volatile signature in pulp and skin of Vitis vinifera L. grape varieties. Talanta, 2011, 85, 1483-1493.	5.5	63
31	Urinary metabolomic changes as a predictive biomarker of asthma exacerbation. Journal of Allergy and Clinical Immunology, 2014, 133, 261-263.e5.	2.9	63
32	¹H NMR Based Metabonomics of Human Amniotic Fluid for the Metabolic Characterization of Fetus Malformations. Journal of Proteome Research, 2009, 8, 4144-4150.	3.7	62
33	Variability of cork from PortugueseQuercus suber studied by solid-state13C-NMR and FTIR spectroscopies. Biopolymers, 2001, 62, 268-277.	2.4	60
34	Screening and distinction of coffee brews based on headspace solid phase microextraction/gas chromatography/principal component analysis. Journal of the Science of Food and Agriculture, 2004, 84, 43-51.	3.5	59
35	Sorghum fermentation followed by spectroscopic techniques. Food Chemistry, 2005, 90, 853-859.	8.2	57
36	Use of FT-IR spectroscopy to follow the effect of processing in cell wall polysaccharide extracts of a sun-dried pear. Carbohydrate Polymers, 2001, 45, 175-182.	10.2	55

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37	Changes in the metabolome of lettuce leaves due to exposure to mancozeb pesticide. Food Chemistry, 2014, 154, 291-298.	8.2	54
38	Finding new posttranslational modifications in salivary prolineâ€rich proteins. Proteomics, 2010, 10, 3732-3742.	2.2	52
39	Influence of the temperature and oxygen exposure in red Port wine: A kinetic approach. Food Research International, 2015, 75, 337-347.	6.2	52
40	Human plasma metabolomics in age-related macular degeneration (AMD) using nuclear magnetic resonance spectroscopy. PLoS ONE, 2017, 12, e0177749.	2.5	51
41	Quantification of organic acids in beer by nuclear magnetic resonance (NMR)-based methods. Analytica Chimica Acta, 2010, 674, 166-175.	5.4	50
42	Following Healthy Pregnancy by Nuclear Magnetic Resonance (NMR) Metabolic Profiling of Human Urine. Journal of Proteome Research, 2013, 12, 969-979.	3.7	50
43	From the Cover: Metabolism Modulation in Different Organs by Silver Nanoparticles: An NMR Metabolomics Study of a Mouse Model. Toxicological Sciences, 2017, 159, 422-435.	3.1	48
44	Protein profile and malt activity during sorghum germination. Journal of the Science of Food and Agriculture, 2008, 88, 2598-2605.	3.5	47
45	Anatomy and Cell Wall Polysaccharides of Almond (Prunus dulcisD. A. Webb) Seeds. Journal of Agricultural and Food Chemistry, 2004, 52, 1364-1370.	5.2	46
46	Aroma Potential of Two Bairrada White Grape Varieties:Â Maria Gomes and Bical. Journal of Agricultural and Food Chemistry, 2000, 48, 4802-4807.	5.2	45
47	Probing beer aging chemistry by nuclear magnetic resonance and multivariate analysis. Analytica Chimica Acta, 2011, 702, 178-187.	5.4	45
48	Cross-species comparison of mammalian saliva using an LC-MALDI based proteomic approach. Proteomics, 2015, 15, 1598-1607.	2.2	44
49	Towards defining the whole salivary peptidome. Proteomics - Clinical Applications, 2009, 3, 528-540.	1.6	43
50	FGF2 induces breast cancer growth through ligandâ€independent activation and recruitment of ERÎ± and PRBÎ”4 isoform toMYCregulatory sequences. International Journal of Cancer, 2019, 145, 1874-1888.	5.1	43
51	Influence of hydration of food additive polysaccharides on FT-IR spectra distinction. Carbohydrate Polymers, 2006, 63, 355-359.	10.2	42
52	Rapid tool for distinction of wines based on the global volatile signature. Journal of Chromatography A, 2006, 1114, 188-197.	3.7	41
53	Relations between Mid-Infrared and Near-Infrared Spectra Detected by Analysis of Variance of an Intervariable Data Matrix. Applied Spectroscopy, 1997, 51, 1384-1393.	2.2	39
54	Comparison of the effects induced by different processing methods on sorghum proteins. Journal of Cereal Science, 2010, 51, 146-151.	3.7	39

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55	Quantification of polymeric mannose in wine extracts by FT-IR spectroscopy and OSC-PLS1 regression. Carbohydrate Polymers, 2005, 61, 434-440.	10.2	38
56	Establishment of the volatile profile of â€˜Bravo de Esmolfeâ€™ apple variety and identification of varietal markers. Food Chemistry, 2009, 113, 513-521.	8.2	38
57	Outer-product analysis (OPA) using PCA to study the influence of temperature on NIR spectra of water. Vibrational Spectroscopy, 2005, 39, 50-58.	2.2	37
58	Characterization of Kafirin and Zein Oligomers by Preparative Sodium Dodecyl Sulfateâ€˜Polyacrylamide Gel Electrophoresis. Journal of Agricultural and Food Chemistry, 2005, 53, 639-643.	5.2	37
59	Characterization of dextrin hydrogels by FTIR spectroscopy and solid state NMR spectroscopy. European Polymer Journal, 2008, 44, 2318-2329.	5.4	37
60	Evaluation of beer deterioration by gas chromatographyâ€“mass spectrometry/multivariate analysis: A rapid tool for assessing beer composition. Journal of Chromatography A, 2011, 1218, 990-996.	3.7	37
61	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. Scientific Reports, 2016, 6, 37275.	3.3	36
62	Potential of NMR Spectroscopy for the Study of Human Amniotic Fluid. Analytical Chemistry, 2007, 79, 8367-8375.	6.5	35
63	Metabolic characterisation of plasma in juveniles with glycogen storage disease type 1a (GSD1a) by high-resolution1H NMR spectroscopy. NMR in Biomedicine, 2007, 20, 401-412.	2.8	34
64	Can nuclear magnetic resonance (NMR) spectroscopy reveal different metabolic signatures for lung tumours?. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2010, 457, 715-725.	2.8	34
65	Pursuing type 1 diabetes mellitus and related complications through urinary proteomics. Translational Research, 2014, 163, 188-199.	5.0	33
66	Characterization of Plum Procyanidins by Thiolytic Depolymerization. Journal of Agricultural and Food Chemistry, 2008, 56, 5188-5196.	5.2	32
67	Effects of fungus inoculation and salt stress on physiology and biochemistry of in vitro grapevines: Emphasis on sugar composition changes by FT-IR analyses. Environmental and Experimental Botany, 2009, 65, 1-10.	4.2	32
68	Establishment of the varietal profile of Vitis vinifera L. grape varieties from different geographical regions based on HS-SPME/GCâ€“qMS combined with chemometric tools. Microchemical Journal, 2014, 116, 107-117.	4.5	31
69	Gender differences in the association of epicardial adipose tissue and coronary artery calcification: EPICHEART study. International Journal of Cardiology, 2017, 249, 419-425.	1.7	30
70	Application of an Electronic Aroma Sensing System to Cork Stopper Quality Control. Journal of Agricultural and Food Chemistry, 1998, 46, 145-151.	5.2	28
71	High pressure treatments largely avoid/revert decrease of cooked sorghum protein digestibility when applied before/after cooking. LWT - Food Science and Technology, 2011, 44, 1245-1249.	5.2	28
72	Evaluation of different extraction procedures for salivary peptide analysis. Talanta, 2012, 94, 209-215.	5.5	28

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73	Improving the detection of significant factors using ANOVA-PCA by selective reduction of residual variability. Analytica Chimica Acta, 2009, 653, 131-142.	5.4	26
74	Mid-infrared (MIR) metabolic fingerprinting of amniotic fluid: A possible avenue for early diagnosis of prenatal disorders?. Analytica Chimica Acta, 2013, 764, 24-31.	5.4	26
75	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. Atherosclerosis, 2020, 292, 75-83.	0.8	25
76	Salivary peptidome in type 1 diabetes mellitus. Biomedical Chromatography, 2012, 26, 571-582.	1.7	24
77	Newborn Urinary Metabolic Signatures of Prematurity and Other Disorders: A Case Control Study. Journal of Proteome Research, 2016, 15, 311-325.	3.7	24
78	Search for suitable maturation parameters to define the harvest maturity of plums (Prunus domestica) Tj ETQq0 0 0 rgBT /Overlock 10 T	8.2	23
79	Relationships between the varietal volatile composition of the musts and white wine aroma quality. A four year feasibility study. LWT - Food Science and Technology, 2010, 43, 1508-1516.	5.2	23
80	Quantification of 3-deoxyglucosone (3DG) as an aging marker in natural and forced aged wines. Journal of Food Composition and Analysis, 2016, 50, 70-76.	3.9	23
81	PoLiSh â€" smoothed partial least-squares regression. Analytica Chimica Acta, 2001, 446, 279-294.	5.4	22
82	Principal components transform-partial least squares: a novel method to accelerate cross-validation in PLS regression. Chemometrics and Intelligent Laboratory Systems, 2004, 73, 245-255.	3.5	22
83	Effect of black oxidising table olive process on the cell wall polysaccharides of olive pulp (Olea) Tj ETQq1 1 0.784314 rgBT /Overlock 1	10.2	22
84	Ripening-related changes in the cell walls of olive (Olea europaea L.) pulp of two consecutive harvests. Journal of the Science of Food and Agriculture, 2006, 86, 988-998.	3.5	22
85	Application of Fourier transform infrared spectroscopy and orthogonal projections to latent structures/partial least squares regression for estimation of procyanidins average degree of polymerisation. Analytica Chimica Acta, 2010, 661, 143-149.	5.4	22
86	Quinones as Strecker degradation reagents in wine oxidation processes. Food Chemistry, 2017, 228, 618-624.	8.2	22
87	Risk Factors for Recoarctation and Mortality in Infants Submitted to Aortic Coarctation Repair: A Systematic Review. Pediatric Cardiology, 2020, 41, 561-575.	1.3	22
88	Can Volatile Organic Metabolites Be Used to Simultaneously Assess Microbial and Mite Contamination Level in Cereal Grains and Coffee Beans?. PLoS ONE, 2013, 8, e59338.	2.5	21
89	Intestinal Microbial and Metabolic Profiling of Mice Fed with High-Glucose and High-Fructose Diets. Journal of Proteome Research, 2018, 17, 2880-2891.	3.7	21
90	Exosome-Derived Mediators as Potential Biomarkers for Cardiovascular Diseases: A Network Approach. Proteomes, 2021, 9, 8.	3.5	21

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91	Using ANOVA-PCA for discriminant analysis: Application to the study of mid-infrared spectra of carraghenan gels as a function of concentration and temperature. Analytica Chimica Acta, 2008, 629, 47-55.	5.4	20
92	Screening of lactic acid bacteria potentially useful for sorghum fermentation. Journal of Cereal Science, 2010, 52, 9-15.	3.7	20
93	Lifelong Exercise Training Modulates Cardiac Mitochondrial Phosphoproteome in Rats. Journal of Proteome Research, 2014, 13, 2045-2055.	3.7	20
94	ANOVA and factor analysis applied to time domain NMR signals. Magnetic Resonance in Chemistry, 1997, 35, S13-S21.	1.9	19
95	Establishment of the varietal volatile profile of musts from whiteVitis vinifera L. varieties. Journal of the Science of Food and Agriculture, 2007, 87, 1667-1676.	3.5	19
96	Principal component transform â€" Outer product analysis in the PCA context. Chemometrics and Intelligent Laboratory Systems, 2008, 93, 43-48.	3.5	19
97	Study of quinones reactions with wine nucleophiles by cyclic voltammetry. Food Chemistry, 2016, 211, 1-7.	8.2	19
98	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. Clinical Research in Cardiology, 2020, 109, 194-204.	3.3	19
99	Study of cork (from Quercus suber L.)-wine model interactions based on voltammetric multivariate analysis. Analytica Chimica Acta, 2005, 528, 147-156.	5.4	18
100	FTIR-ATR infrared spectroscopy for the detection of ochratoxin A in dried vine fruit. Food Additives and Contaminants, 2007, 24, 1299-1305.	2.0	18
101	Impact of fetal chromosomal disorders on maternal blood metabolome: toward new biomarkers?. American Journal of Obstetrics and Gynecology, 2015, 213, 841.e1-841.e15.	1.3	18
102	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. Diabetology and Metabolic Syndrome, 2017, 9, 86.	2.7	18
103	Reviewing Mechanistic Peptidomics in Body Fluids Focusing on Proteases. Proteomics, 2018, 18, e1800187.	2.2	18
104	Segmented principal component transformâ€"principal component analysis. Chemometrics and Intelligent Laboratory Systems, 2005, 78, 125-137.	3.5	17
105	The combined effects of black oxidising table olive process and ripening on the cell wall polysaccharides of olive pulp. Carbohydrate Polymers, 2007, 68, 647-657.	10.2	17
106	Method for analysis dried vine fruits contaminated with ochratoxin A. Analytica Chimica Acta, 2008, 617, 59-63.	5.4	17
107	Determination of oil and water in olive and olive pomace by NIR and multivariate analysis. Sensing and Instrumentation for Food Quality and Safety, 2009, 3, 180-186.	1.5	15
108	Urine Nuclear Magnetic Resonance (NMR) Metabolomics in Age-Related Macular Degeneration. Journal of Proteome Research, 2019, 18, 1278-1288.	3.7	15

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109	An integrated perspective and functional impact of the mitochondrial acetylome. Expert Review of Proteomics, 2014, 11, 383-394.	3.0	14
110	Assessing the influence of perfusion on cardiac microtissue maturation: A heartâ€onâ€chip platform embedding peristaltic pump capabilities. Biotechnology and Bioengineering, 2021, 118, 3128-3137.	3.3	14
111	PLS_Cluster: a novel technique for cluster analysis. Chemometrics and Intelligent Laboratory Systems, 2004, 70, 99-112.	3.5	12
112	Traditional and industrial oven-dry processing of olive fruits: influence on textural properties, cell wall polysaccharide composition, and enzymatic activity. European Food Research and Technology, 2009, 229, 415-425.	3.3	12
113	Assessing Exposome Effects on Pregnancy through Urine Metabolomics of a Portuguese (Estarreja) Cohort. Journal of Proteome Research, 2018, 17, 1278-1289.	3.7	12
114	Analysis of Non-Aromatic Organic Acids in Beer by CE and Direct Detection Mode with Diode Array Detection. Chromatographia, 2009, 70, 1737-1742.	1.3	11
115	Can volatile organic compounds be markers of sea salt?. Food Chemistry, 2015, 169, 102-113.	8.2	11
116	Multiple versus single arterial grafting in coronary artery bypass grafting: A meta-analysis of randomized controlled trials and propensity score studies. International Journal of Cardiology, 2020, 320, 55-63.	1.7	11
117	Prevalence, risk factors and proteomic bioprofiles associated with heart failure in rheumatoid arthritis: The RA-HF study. European Journal of Internal Medicine, 2021, 85, 41-49.	2.2	11
118	Method for detecting information in signals: application to two-dimensional time domain NMR dataâ€. Analyst, The, 1998, 123, 551-559.	3.5	10
119	Can Biofluids Metabolic Profiling Help to Improve Healthcare during Pregnancy?. Spectroscopy, 2012, 27, 515-523.	0.8	10
120	Gastric microbiome profile throughout gastric carcinogenesis: beyond helicobacter. Scandinavian Journal of Gastroenterology, 2021, 56, 708-716.	1.5	10
121	Mining the Biomarker Potential of the Urine Peptidome: From Amino Acids Properties to Proteases. International Journal of Molecular Sciences, 2021, 22, 5940.	4.1	10
122	Characterisation of Chilean hazelnut (Gevuina avellana) tissues: light microscopy and cell wall polysaccharides. Journal of the Science of Food and Agriculture, 2003, 83, 158-165.	3.5	9
123	Metabolic profiling of maternal urine can aid clinical management of gestational diabetes mellitus. Metabolomics, 2016, 12, 1.	3.0	9
124	Interpreting infrared spectra of solutions by outer product analysis with time domain-NMR. Special Publication - Royal Society of Chemistry, 0, , 179-192.	0.0	9
125	Estimation of olive oil acidity using FT-IR and partial least squares regression. Sensing and Instrumentation for Food Quality and Safety, 2009, 3, 187-191.	1.5	8
126	Comparative proteomic analyses of urine from rat urothelial carcinoma chemically induced by exposure to N-butyl-N-(4-hydroxybutyl)-nitrosamine. Molecular BioSystems, 2015, 11, 1594-1602.	2.9	8

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127	Survival after bilateral internal mammary artery in coronary artery bypass grafting: Are women at risk?. International Journal of Cardiology, 2018, 270, 89-95.	1.7	8
128	Application of Proteogenomics to Urine Analysis towards the Identification of Novel Biomarkers of Prostate Cancer: An Exploratory Study. Cancers, 2022, 14, 2001.	3.7	8
129	Evaluation of the Potential of Midâ€Infrared Spectroscopy to Assess the Microbiological Quality of Ham. Journal of Food Safety, 2015, 35, 270-275.	2.3	7
130	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?. Analytica Chimica Acta, 2021, 1142, 189-200.	5.4	7
131	NIR and other Luminometric Methods to Monitor the Primary Clotting Phase of Milk. Journal of Near Infrared Spectroscopy, 1998, 6, 205-211.	1.5	6
132	Analysis of Time Domain NMR and Other Signals. , 1999, , 203-216.		6
133	A systematic review and meta-analysis of randomized controlled studies comparing off-pump versus on-pump coronary artery bypass grafting in the elderly. Journal of Cardiovascular Surgery, 2022, 63, .	0.6	6
134	Three mammal species distinction through the analysis ofÂscats chemical composition provided by comprehensive two-dimensional gas chromatography. Biochemical Systematics and Ecology, 2014, 55, 46-52.	1.3	5
135	Collagen biomarker bioprofiles predicting the antifibrotic response to eplerenone in myocardial infarction: findings from the REMINDER trial. Clinical Research in Cardiology, 2018, 107, 1192-1195.	3.3	4
136	Serum microRNAs and antifibrotic response to eplerenone in acute myocardial infarction complicated by systolic dysfunction. International Journal of Cardiology, 2021, 332, 35-37.	1.7	4
137	Title is missing!. , 0, , .		4
138	Complexation stoechiometry determined by application of chemometrics to time domain nuclear magnetic resonance signals. Analusis - European Journal of Analytical Chemistry, 1998, 26, 70-73.	0.4	4
139	Pseudo-patella baja after total knee arthroplasty: Radiological evaluation and clinical repercussion. Knee, 2021, 33, 334-341.	1.6	4
140	Decoding the radiomic and proteomic phenotype of epicardial adipose tissue associated with adverse left atrial remodelling and post-operative atrial fibrillation in aortic stenosis. European Heart Journal Cardiovascular Imaging, 2022, 23, 1248-1259.	1.2	4
141	Segmented Principal Component Transformâ€“Partial Least Squares regression. Chemometrics and Intelligent Laboratory Systems, 2007, 89, 59-68.	3.5	3
142	Characterization of 2,3-diarylxanthones by electrospray mass spectrometry: gas-phase chemistry versus known antioxidant activity properties. Rapid Communications in Mass Spectrometry, 2016, 30, 2228-2236.	1.5	3
143	Urocortin-2 in Acute Heart Failure: Role as a Marker of Volume Overload and Pulmonary Hypertension. Current Problems in Cardiology, 2022, 47, 100860.	2.4	3
144	Multiple versus single arterial grafting in the elderly: a meta-analysis of randomized controlled trials and propensity score studies. Journal of Cardiovascular Surgery, 2022, 63, .	0.6	3

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145	Characterization of the Striatal Extracellular Matrix in a Mouse Model of Parkinsonâ€™s Disease. Antioxidants, 2021, 10, 1095.	5.1	3
146	Frailty-Independent Undertreatment Negative Impact on Survival in Older Patients With Breast Cancer. Journal of Breast Cancer, 2021, 24, 542.	1.9	3
147	Sex differences in circulating proteins of patients with rheumatoid arthritis: A cohort study. International Journal of Rheumatic Diseases, 2022, 25, 669-677.	1.9	3
148	Analysis of Uronic Acid in Pectic Material by FT-IR Spectroscopy. , 1997, , 275-276.		2
149	Quantification of arabinose in pectic polysaccharides by FT-IR spectroscopy. Carbohydrate Polymers, 1997, 34, 426.	10.2	2
150	Influence of EPICardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. Revista Portuguesa De Cardiologia, 2020, 39, 625-633.	0.5	2
151	Lipidomics in Cardiovascular Diseases. , 2021, , 454-467.		2
152	Detecting information in gas sensor responses using analysis of variance. Analusis - European Journal of Analytical Chemistry, 1998, 26, 135-141.	0.4	2
153	Histological and haemodynamic characterization of right ventricle in sedentary and trained rats with heart failure with preserved ejection fraction. Experimental Physiology, 2021, 106, 2457-2471.	2.0	2
154	Methodologies for Improved Quality Control Assessment of Food Products. , 0, , 11-47.		1
155	Lifestyle influences human sperm functional quality. Asian Pacific Journal of Reproduction, 2012, 1, 224-230.	0.4	1
156	Quality Evaluation of Olives, Olive Pomace and Olive Oil by Infrared Spectroscopy. , 0, , .		1
157	Early dual antiplatelet therapy versus aspirin monotherapy after coronary artery bypass surgery: survival and safety outcomes. Journal of Cardiovascular Surgery, 2020, 61, 662-672.	0.6	1
158	RecuperaÃ§Ã£o PÃ³s-OperatÃ³ria de Sangue em Doentes Submetidos a Artroplastias Totais do Joelho ou da Anca. Acta Medica Portuguesa, 2013, 26, 511.	0.4	1
159	NMR metabonomic study of lung cancer: metabolic profiling of tissues. BMC Proceedings, 2010, 4, .	1.6	0
160	Evaluation of Beer Deterioration by Gas Chromatography-Mass Spectrometry/Multivariate Analysis. , 2014, , 435-440.		0
161	Exploratory urinary metabolomic profiling of renal cell carcinoma using 1 H NMR spectroscopy and multivariate analysis. Toxicology Letters, 2015, 238, S233-S234.	0.8	0
162	Clinical Research in Cardiovascular Disease using Metabolomics. , 2021, , 468-479.		0

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163	Influence of EPICardial adipose tissue in HEART diseases (EPICHEART) study: Protocol for a translational study in coronary atherosclerosis. Revista Portuguesa De Cardiologia (English Edition), 2020, 39, 625-633.	0.2	0
164	Early And Midterm Outcomes Following Aortic Valve Replacement With Mechanical Versus Bioprosthetic Valves In Patients Aged 50 To 70 Years. Revista Portuguesa De Cirurgia Cardio-torÃ¡cica E Vascular: Ã³rgÃ£o Oficial Da Sociedade Portuguesa De Cirurgia Cardio-TorÃ¡cica E Vascular, 2020, 27, 179-189.	0.1	0
165	Tracking Prostate Carcinogenesis over Time through Urine Proteome Profiling in an Animal Model: An Exploratory Approach. International Journal of Molecular Sciences, 2022, 23, 7560.	4.1	0