

# Catarina L Silva

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3840988/publications.pdf>

Version: 2024-02-01

49  
papers

1,786  
citations

304743

22  
h-index

276875

41  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical Platforms for the Determination of Phospholipid Turnover in Breast Cancer Tissue: Role of Phospholipase Activity in Breast Cancer Development. <i>Metabolites</i> , 2021, 11, 32.	2.9	5
2	Evaluation of the Occurrence of Phthalates in Plastic Materials Used in Food Packaging. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2130.	2.5	11
3	A high-throughput analytical strategy based on QuEChERS-dSPE/HPLC-ESI-MS to establish the phenolic profile of tropical fruits. <i>Journal of Food Composition and Analysis</i> , 2021, 98, 103844.	3.9	4
4	Comprehensive Insight from Phthalates Occurrence: From Health Outcomes to Emerging Analytical Approaches. <i>Toxics</i> , 2021, 9, 157.	3.7	21
5	An integrative approach based on GC-qMS and NMR metabolomics data as a comprehensive strategy to search potential breast cancer biomarkers. <i>Metabolomics</i> , 2021, 17, 72.	3.0	6
6	Forensic attribution profiling of food using liquid chromatography-mass spectrometry. , 2021, , 97-121.		1
7	Polyphenols, biogenic amines and amino acids patterns in Verdelho wines according to vintage. <i>Microchemical Journal</i> , 2020, 153, 104383.	4.5	12
8	Monitoring Phthalates in Table and Fortified Wines by Headspace Solid-Phase Microextraction Combined with Gas Chromatography-Mass Spectrometry Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8431-8437.	5.2	8
9	Geographical differentiation of apple ciders based on volatile fingerprint. <i>Food Research International</i> , 2020, 137, 109550.	6.2	17
10	Lipid biosignature of breast cancer tissues by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Breast Cancer Research and Treatment</i> , 2020, 182, 9-19.	2.5	9
11	Application of Quality-by-Design Approach in the Analytical Method Development for Quantification of Sugars in Sugarcane Honey by Reversed-Phase Liquid Chromatography. <i>Food Analytical Methods</i> , 2020, 13, 1634-1649.	2.6	5
12	Exploring the potential of wine industry by-products as source of additives to improve the quality of aquafeed. <i>Microchemical Journal</i> , 2020, 155, 104758.	4.5	21
13	An Approach of the Madeira Wine Chemistry. <i>Beverages</i> , 2020, 6, 12.	2.8	28
14	Madeira Wine Volatile Profile. A Platform to Establish Madeira Wine Aroma Descriptors. <i>Molecules</i> , 2019, 24, 3028.	3.8	36
15	Breast Cancer Metabolomics: From Analytical Platforms to Multivariate Data Analysis. A Review. <i>Metabolites</i> , 2019, 9, 102.	2.9	46
16	Untargeted fingerprinting of cider volatiles from different geographical regions by HS-SPME/GC-MS. <i>Microchemical Journal</i> , 2019, 148, 643-651.	4.5	17
17	Volatonic pattern of breast cancer and cancer-free tissues as a powerful strategy to identify potential biomarkers. <i>Analyst, The</i> , 2019, 144, 4153-4161.	3.5	19
18	Implementing a central composite design for the optimization of solid phase microextraction to establish the urinary volatonic expression: a first approach for breast cancer. <i>Metabolomics</i> , 2019, 15, 64.	3.0	24

#	ARTICLE	IF	CITATIONS
19	QuEChERS - Fundamentals, relevant improvements, applications and future trends. <i>Analytica Chimica Acta</i> , 2019, 1070, 1-28.	5.4	299
20	Differentiation of Fresh and Processed Fruit Juices Using Volatile Composition. <i>Molecules</i> , 2019, 24, 974.	3.8	21
21	Comparison of high-throughput microextraction techniques, MEPS and $\mu$ -SPEed, for the determination of polyphenols in baby food by ultrahigh pressure liquid chromatography. <i>Food Chemistry</i> , 2019, 292, 14-23.	8.2	22
22	Untargeted Urinary <sup>1</sup> H NMR-Based Metabolomic Pattern as a Potential Platform in Breast Cancer Detection. <i>Metabolites</i> , 2019, 9, 269.	2.9	21
23	Prediction of Terpenoid Toxicity Based on a Quantitative Structure-Activity Relationship Model. <i>Foods</i> , 2019, 8, 628.	4.3	12
24	An improved and miniaturized analytical strategy based on $\mu$ -QuEChERS for isolation of polyphenols. A powerful approach for quality control of baby foods. <i>Microchemical Journal</i> , 2018, 139, 110-118.	4.5	26
25	Fingerprint targeted compounds in authenticity of sugarcane honey - An approach based on chromatographic and statistical data. <i>LWT - Food Science and Technology</i> , 2018, 96, 82-89.	5.2	11
26	Rapid spectrophotometric methods as a tool to assess the total phenolics and antioxidant potential over grape ripening: a case study of Madeira grapes. <i>Journal of Food Measurement and Characterization</i> , 2018, 12, 1754-1762.	3.2	8
27	Unraveling <i>Vitis vinifera</i> L. grape maturity markers based on integration of terpenic pattern and chemometric methods. <i>Microchemical Journal</i> , 2018, 142, 367-376.	4.5	11
28	Establishment of the Volatile Signature of Wine-Based Aromatic Vinegars Subjected to Maceration. <i>Molecules</i> , 2018, 23, 499.	3.8	13
29	Impact of storage time and temperature on volatome signature of Tinta Negra wines by LLME/GC-IT MS. <i>Food Research International</i> , 2018, 109, 99-111.	6.2	13
30	Volatile metabolomic signature of human breast cancer cell lines. <i>Scientific Reports</i> , 2017, 7, 43969.	3.3	54
31	A useful strategy based on chromatographic data combined with quality-by-design approach for food analysis applications. The case study of furanic derivatives in sugarcane honey. <i>Journal of Chromatography A</i> , 2017, 1520, 117-126.	3.7	16
32	Establishment of authenticity and typicality of sugarcane honey based on volatile profile and multivariate analysis. <i>Food Control</i> , 2017, 73, 1176-1188.	5.5	28
33	A Powerful Analytical Strategy Based on QuEChERS-Dispersive Solid-Phase Extraction Combined with Ultrahigh Pressure Liquid Chromatography for Evaluating the Effect of Elicitors on Biosynthesis of trans-Resveratrol in Grapes. <i>Food Analytical Methods</i> , 2016, 9, 670-679.	2.6	8
34	A powerful approach to explore the potential of medicinal plants as a natural source of odor and antioxidant compounds. <i>Journal of Food Science and Technology</i> , 2016, 53, 132-144.	2.8	13
35	Quantification of furanic derivatives in fortified wines by a highly sensitive and ultrafast analytical strategy based on digitally controlled microextraction by packed sorbent combined with ultrahigh pressure liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1381, 54-63.	3.7	22
36	Determination of urinary levels of leukotriene B4 using a highly specific and sensitive methodology based on automatic MEPS combined with UHPLC-PDA analysis. <i>Talanta</i> , 2015, 144, 382-389.	5.5	9

#	ARTICLE	IF	CITATIONS
37	A powerful methodological approach combining headspace solid phase microextraction, mass spectrometry and multivariate analysis for profiling the volatile metabolomic pattern of beer starting raw materials. <i>Food Chemistry</i> , 2014, 160, 266-280.	8.2	50
38	Re-exploring the high-throughput potential of microextraction techniques, SPME and MEPS, as powerful strategies for medical diagnostic purposes. Innovative approaches, recent applications and future trends. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2101-2122.	3.7	38
39	A useful approach for the differentiation of wines according to geographical origin based on global volatile patterns. <i>Journal of Separation Science</i> , 2014, 37, 1974-1981.	2.5	23
40	Microextraction by Packed Sorbent (MEPS) and Solid-Phase Microextraction (SPME) as Sample Preparation Procedures for the Metabolomic Profiling of Urine. <i>Metabolites</i> , 2014, 4, 71-97.	2.9	70
41	Profiling of volatiles in the leaves of Lamiaceae species based on headspace solid phase microextraction and mass spectrometry. <i>Food Research International</i> , 2013, 51, 378-387.	6.2	27
42	An attractive, sensitive and high-throughput strategy based on microextraction by packed sorbent followed by UHPLC-PDA analysis for quantification of hydroxybenzoic and hydroxycinnamic acids in wines. <i>Microchemical Journal</i> , 2013, 106, 129-138.	4.5	56
43	Solid phase microextraction, mass spectrometry and metabolomic approaches for detection of potential urinary cancer biomarkers – A powerful strategy for breast cancer diagnosis. <i>Talanta</i> , 2012, 89, 360-368.	5.5	144
44	A sensitive microextraction by packed sorbent-based methodology combined with ultra-high pressure liquid chromatography as a powerful technique for analysis of biologically active flavonols in wines. <i>Analytica Chimica Acta</i> , 2012, 739, 89-98.	5.4	37
45	A new and improved strategy combining a dispersive-solid phase extraction-based multiclass method with ultra high pressure liquid chromatography for analysis of low molecular weight polyphenols in vegetables. <i>Journal of Chromatography A</i> , 2012, 1260, 154-163.	3.7	43
46	Development of a novel microextraction by packed sorbent-based approach followed by ultrahigh pressure liquid chromatography as a powerful technique for quantification phenolic constituents of biological interest in wines. <i>Journal of Chromatography A</i> , 2012, 1229, 13-23.	3.7	44
47	Investigation of urinary volatile organic metabolites as potential cancer biomarkers by solid-phase microextraction in combination with gas chromatography-mass spectrometry. <i>British Journal of Cancer</i> , 2011, 105, 1894-1904.	6.4	188
48	A fast method using a new hydrophilic-lipophilic balanced sorbent in combination with ultra-high performance liquid chromatography for quantification of significant bioactive metabolites in wines. <i>Talanta</i> , 2011, 86, 82-90.	5.5	52
49	Influence of the tannin structure on the disruption effect of carbohydrates on protein-tannin aggregates. <i>Analytica Chimica Acta</i> , 2004, 513, 135-140.	5.4	117