Maria Fernanda Silva

List of Publications by Year
in descending order

75 papers	3,254 citations	136950 32 h-index	155660 55 g-index
76 all docs	76 docs citations	76 times ranked	3669 citing authors

#	Article	IF	Citations
1	Sustainable extraction bioactive compounds procedures in medicinal plants based on the principles of green analytical chemistry: A review. Microchemical Journal, 2022, 175, 107184.	4.5	54
2	Onâ€Site Preparation of Natural Deep Eutectic Solvents Using Solar Energy. ChemistrySelect, 2022, 7, .	1.5	5
3	NADES-modified voltammetric sensors and information fusion for detection of honey heat alteration. Food Control, 2022, 140, 109144.	5.5	11
4	Green Chemistry Metrics. , 2021, , 825-833.		2
5	Chemometric and green metric strategies for sustainable analytical methods: phenolic compounds in lettuce-NADES extracts. Analytical Methods, 2021, 13, 1261-1268.	2.7	8
6	Native Fluorescent Natural Deep Eutectic Solvents for Green Sensing Applications: Curcuminoids in <i>Curcuma longa</i> Powder. ACS Sustainable Chemistry and Engineering, 2021, 9, 5405-5411.	6.7	16
7	Taking the leap between analytical chemistry and artificial intelligence: A tutorial review. Analytica Chimica Acta, 2021, 1161, 338403.	5.4	75
8	A natural deep eutectic solvent as a novel dispersive solvent in dispersive liquid-liquid microextraction based on solidification of floating organic droplet for the determination of pesticide residues. Analytical and Bioanalytical Chemistry, 2021, 413, 6413-6424.	3.7	28
9	Brand new Dual Absorption and Emission Smartphone-Based Spectrophotometer (DAESS) for the study of the role of water in the preparation of Natural Deep Eutectic Solvents. Analytica Chimica Acta, 2021, 1179, 338831.	5.4	3
10	Paper microzone plates integrating Natural Deep Eutectic Solvents: Total phenolic compounds and antioxidant capacity as performed by nature. Microchemical Journal, 2020, 158, 105296.	4.5	9
11	Doehlert matrix for the optimization of ultrasound dispersive liquidâ€“liquid microextraction of melatonin in Argentine and Brazilian wine samples. Microchemical Journal, 2020, 159, 105313.	4.5	8
12	Laser-engraved ammonia sensor integrating a natural deep eutectic solvent. Microchemical Journal, 2020, 157, 105067.	4.5	22
13	Geographical characterization of South America wines based on their phenolic and melatonin composition: An exploratory analysis. Microchemical Journal, 2020, 158, 105240.	4.5	14
14	NADES-mediated folk plant extracts as novel antifungal agents against Candida albicans. Journal of Pharmaceutical and Biomedical Analysis, 2019, 167, 15-20.	2.8	32
15	CO₂reduction using paper-derived carbon electrodes modified with copper nanoparticles. RSC Advances, 2019, 9, 33657-33663.	3.6	7
16	Microchip Electrophoresis Tools for the Analysis of Small Molecules. Methods in Molecular Biology, 2019, 1906, 197-206.	0.9	3
17	Determination of ellagic acid by capillary electrophoresis in Argentinian wines. Electrophoresis, 2018, 39, 1621-1627.	2.4	14
18	Onion Hybrid Seed Production: Relation with Nectar Composition and Flower Traits. Journal of Economic Entomology, 2018, 111, 1023-1029.	1.8	7

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19	Novel approaches mediated by tailor-made green solvents for the extraction of phenolic compounds from agro-food industrial by-products. Food Chemistry, 2018, 239, 671-678.	8.2	173
20	Larrea divaricata volatilome and antimicrobial activity against Monilinia fructicola. Microchemical Journal, 2018, 142, 1-8.	4.5	7
21	Carbon tape as a convenient electrode material for electrochemical paper-based microfluidic devices (ePADs). Analytical Methods, 2018, 10, 4020-4027.	2.7	20
22	Natural deep eutectic solvents-mediated extractions: The way forward for sustainable analytical developments. Analytica Chimica Acta, 2018, 1038, 1-10.	5.4	192
23	Structural analysis of natural deep eutectic solvents. Theoretical and experimental study. Microchemical Journal, 2018, 143, 252-258.	4.5	47
24	Green analytical chemistry metrics: Towards a sustainable phenolics extraction from medicinal plants. Microchemical Journal, 2018, 141, 438-443.	4.5	48
25	A Greener Approach to Prepare Natural Deep Eutectic Solvents. ChemistrySelect, 2018, 3, 6122-6125.	1.5	92
26	Pencil graphite electrodes for improved electrochemical detection of oleuropein by the combination of Natural Deep Eutectic Solvents and graphene oxide. Electrophoresis, 2017, 38, 2704-2711.	2.4	20
27	Grapevine tissues and phenology differentially affect soluble carbohydrates determination by capillary electrophoresis. Plant Physiology and Biochemistry, 2017, 118, 394-399.	5.8	6
28	Determination of alkaloids in onion nectar by micellar electrokinetic chromatography. Electrophoresis, 2016, 37, 1909-1915.	2.4	9
29	Enhanced electrochemical detection of quercetin by Natural Deep Eutectic Solvents. Analytica Chimica Acta, 2016, 936, 91-96.	5.4	67
30	Microchip electrophoresis for wine analysis. Analytical and Bioanalytical Chemistry, 2016, 408, 8643-8653.	3.7	22
31	Natural designer solvents for greening analytical chemistry. TrAC - Trends in Analytical Chemistry, 2016, 76, 126-136.	11.4	282
32	Determination of seleno-amino acids bound to proteins in extra virgin olive oils. Food Chemistry, 2016, 197, 400-405.	8.2	14
33	Analytical Trends for the Determination of Melatonin and Precursors in Plants. , 2016, , 31-46.		0
34	Solid phase extraction/cyclodextrin-modified micellar electrokinetic chromatography for the analysis of melatonin and related indole compounds in plants. Microchemical Journal, 2015, 123, 22-27.	4.5	23
35	Screen-printed electrodes modified with carbon nanotubes or graphene for simultaneous determination of melatonin and serotonin. Mikrochimica Acta, 2015, 182, 1925-1931.	5.0	58
36	Melatonin in Arabidopsis thaliana acts as plant growth regulator at low concentrations and preserves seed viability at high concentrations. Plant Physiology and Biochemistry, 2015, 94, 191-196.	5.8	90

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37	Microchip electrophoresisâ€single wall carbon nanotube pressâ€transferred electrodes for fast and reliable electrochemical sensing of melatonin and its precursors. Electrophoresis, 2015, 36, 1880-1885.	2.4	37
38	Direct analysis of nectar and floral volatile organic compounds in hybrid onions by HS-SPME/GCâ€“MS: Relationship with pollination and seed production. Microchemical Journal, 2015, 122, 110-118.	4.5	24
39	Anthocyanins as markers for the classification of Argentinean wines according to botanical and geographical origin. Chemometric modeling of liquid chromatographyâ€“mass spectrometry data. Food Chemistry, 2015, 175, 174-180.	8.2	46
40	Phenolic Compounds and Antioxidant Capacity of Monovarietal Olive Oils Produced in Argentina. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 2021-2033.	1.9	16
41	Exploration of liquid chromatographic-diode array data for Argentinean wines by extended multivariate curve resolution. Chemometrics and Intelligent Laboratory Systems, 2014, 132, 1-7.	3.5	9
42	Volatile Profile Characterization of Extra Virgin Olive Oils from Argentina by HS-SPME/GC-MS and Multivariate Pattern Recognition Tools. Food Analytical Methods, 2014, 7, 2122-2136.	2.6	10
43	Matrix solid-phase dispersion: a simple and fast technique for the determination of phenolic compounds in olive oil by liquid chromatography. Analytical Methods, 2014, 6, 8986-8995.	2.7	19
44	Preconcentration of seleno-amino acids on a XAD resin and determination in regional olive oils by SPE UPLCâ€“ESI-MS/MS. Food Chemistry, 2014, 159, 407-413.	8.2	14
45	Phenolic characterization and antimicrobial activity of folk medicinal plant extracts for their applications in olive production. Electrophoresis, 2014, 35, 1709-1718.	2.4	14
46	Volatile organic compounds characterized from grapevine (Vitis vinifera L. cv. Malbec) berries increase at pre-harvest and in response to UV-B radiation. Phytochemistry, 2013, 96, 148-157.	2.9	71
47	Determination of Quercetin, Gallic Acid, Resveratrol, Catechin and Malvidin in Brazilian Wines Elaborated in the Vale do SÃ£o Francisco Using Liquidâ€“Liquid Extraction Assisted by Ultrasound and GC-MS. Food Analytical Methods, 2013, 6, 963-968.	2.6	35
48	Olive Oil by Capillary Electrophoresis: Characterization and Genuineness. Journal of Agricultural and Food Chemistry, 2013, 61, 4477-4496.	5.2	28
49	Analytical tools for elucidating the biological role of melatonin in plants by LCâ€MS/MS. Electrophoresis, 2013, 34, 1749-1756.	2.4	44
50	Risk Assessment on Irrigation of <i>Vitis vinifera</i> L. <i>cv Malbec</i> with Hg Contaminated Waters. Environmental Science & Technology, 2013, 47, 6606-6613.	10.0	5
51	Highâ€throughput determination of phenolic compounds in virgin olive oil using dispersive liquidâ€liquid microextractionâ€capillary zone electrophoresis. Electrophoresis, 2013, 34, 1836-1843.	2.4	19
52	Nectar and Flower Traits of Different Onion Male Sterile Lines Related to Pollination Efficiency and Seed Yield of F1 Hybrids. Journal of Economic Entomology, 2013, 106, 1386-1394.	1.8	21
53	Water stress and abscisic acid exogenous supply produce differential enhancements in the concentration of selected phenolic compounds in Cabernet Sauvignon. Journal of Berry Research, 2012, 2, 33-44.	1.4	12
54	Analytical characterization of wine and its precursors by capillary electrophoresis. Electrophoresis, 2012, 33, 2240-2252.	2.4	28

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55	Monitoring melatonin and its isomer in <i>Vitis vinifera</i> cv. Malbec by UHPLCâ€MS/MS from grape to bottle. Journal of Pineal Research, 2012, 52, 349-355.	7.4	70
56	Adsorption of proteins to thin-films of PDMS and its effect on the adhesion of human endothelial cells. RSC Advances, 2011, 1, 706.	3.6	79
57	Melatonin levels, determined by LC-ESI-MS/MS, fluctuate during the day/night cycle in Vitis vinifera cv Malbec: evidence of its antioxidant role in fruits. Journal of Pineal Research, 2011, 51, 226-232.	7.4	126
58	Determination of melatonin in wine and plant extracts by capillary electrochromatography with immobilized carboxylic multiâ€walled carbon nanotubes as stationary phase. Electrophoresis, 2010, 31, 2242-2248.	2.4	150
59	Optimization of ultrasound assisted-emulsification-dispersive liquidâ€"liquid microextraction by experimental design methodologies for the determination of sulfur compounds in wines by gas chromatographyâ€"mass spectrometry. Analytica Chimica Acta, 2010, 683, 126-135.	5.4	68
60	Onâ€line solid phase extraction CZE for the simultaneous determination of lanthanum and gadolinium at picogram per liter levels. Electrophoresis, 2009, 30, 2681-2687.	2.4	14
61	Environmental monitoring of phenolic pollutants in water by cloud point extraction prior to micellar electrokinetic chromatography. Analytical and Bioanalytical Chemistry, 2009, 394, 567-573.	3.7	16
62	Determination of polybrominated diphenyl ethers in water and soil samples by cloud point extraction-ultrasound-assisted back-extraction-gas chromatographyâ€"mass spectrometry. Journal of Chromatography A, 2009, 1216, 4339-4346.	3.7	94
63	Determination of heavy metals for the quality control in argentinian herbal medicines by ETAAS and ICP-OES. Food and Chemical Toxicology, 2007, 45, 1060-1064.	3.6	104
64	Separation of nonylphenol ethoxylates and nonylphenol by non-aqueous capillary electrophoresis. Journal of Chromatography A, 2006, 1116, 277-285.	3.7	10
65	Coupling Cloud Point Extraction to Instrumental Detection Systems for Metal Analysis. Mikrochimica Acta, 2006, 155, 349-364.	5.0	117
66	Comparative study between capillary electrophoresis and high performance liquid chromatography in â€˜guaranaâ€™ based phytopharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2005, 36, 989-994.	2.8	41
67	Development and validation of a capillary electrophoresis method for the determination of codeine, diphenhydramine, ephedrine and noscapine in pharmaceuticals. Il Farmaco, 2005, 60, 85-90.	0.9	32
68	Cloud point preconcentration prior to capillary zone electrophoresis: Simultaneous determination of platinum and palladium at trace levels. Electrophoresis, 2005, 26, 3500-3506.	2.4	27
69	Metal content monitoring in Hypericum perforatum pharmaceutical derivatives by atomic absorption and emission spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2004, 34, 569-576.	2.8	37
70	Simultaneous determination of dysprosium and iron in urine by capillary zone electrophoresis coupled to cloud point extraction. Journal of Pharmaceutical and Biomedical Analysis, 2004, 36, 721-727.	2.8	36
71	On-line complexation/cloud point preconcentration for the sensitive determination of dysprosium in urine by flow injection inductively coupled plasmaâ€"optical emission spectrometry. Analytical and Bioanalytical Chemistry, 2003, 375, 270-274.	3.7	46
72	On-line cloud point preconcentration and determination of gadolinium in urine using flow injection inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2002, 17, 530-533.	3.0	53

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73	Cloud point extraction of vanadium in parenteral solutions using a nonionic surfactant (PONPE 5.0) and determination by flow injection-inductively coupled plasma optical emission spectrometry. Talanta, 2002, 58, 619-627.	5.5	58
74	Simultaneous determination of dextromethorphan, diphenhydramine and phenylephrine in expectorant and decongestant syrups by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2002, 30, 791-799.	2.8	73
75	Monitoring the elimination of gadolinium-based pharmaceuticals. Cloud point preconcentration and spectrophotometric determination of Gd(iii)-2-(3,5-dichloro-2-pyridylazo)-5-dimethylaminophenol in urine. Analyst, The, 1998, 123, 1803-1807.	3.5	59