Walter N L Dos Santos

List of Publications by Citations

49 papers	2,505 citations	23 h-index	50 g-index
50 ext. papers	2,722 ext. citations	5.8 avg, IF	4.57 L-index

#	Paper	IF	Citations
49	Statistical designs and response surface techniques for the optimization of chromatographic systems. *Journal of Chromatography A*, **2007**, 1158, 2-14	4.5	439
48	Doehlert matrix: a chemometric tool for analytical chemistry-review. *Talanta*, **2004**, 63, 1061-7	6.2	430
47	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. *Microchemical Journal*, **2009**, 92, 58-67	4.8	189
46	Separation and preconcentration procedures for the determination of lead using spectrometric techniques: a review. *Talanta*, **2006**, 69, 16-24	6.2	186
45	Current Status of Direct Solid Sampling for Electrothermal Atomic Absorption Spectrometry—A Critical Review of the Development between 1995 and 2005. *Applied Spectroscopy Reviews*, **2006**, 41, 377-400	4.5	122
44	Uranium determination using atomic spectrometric techniques: an overview. *Analytica Chimica Acta* , **2010**, 674, 143-56	6.6	108
43	Multi-element determination of Cu, Fe, Ni and Zn content in vegetable oils samples by high-resolution continuum source atomic absorption spectrometry and microemulsion sample preparation. *Food Chemistry*, **2011**, 127, 780-3	8.5	93
42	Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. *Journal of Hazardous Materials*, **2007**, 145, 358-67	12.8	91
41	Slurry Sampling—An Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. *Applied Spectroscopy Reviews*, **2010**, 45, 44-62	4.5	82
40	On-line system for preconcentration and determination of metals in vegetables by inductively coupled plasma optical emission spectrometry. *Journal of Hazardous Materials*, **2007**, 148, 334-9	12.8	59
39	Application of Doehlert designs for optimisation of an on-line preconcentration system for copper determination by flame atomic absorption spectrometry. *Talanta*, **2003**, 61, 295-303	6.2	48
38	On-line preconcentration system using a minicolumn of polyurethane foam loaded with Me-BTABr for zinc determination by Flame Atomic Absorption Spectrometry. *Analytica Chimica Acta*, **2003**, 481, 283-290	6.6	42
37	A simple, rapid and green ultrasound assisted and ionic liquid dispersive microextraction procedure for the determination of tin in foods employing ETAAS. *Food Chemistry*, **2018**, 245, 380-384	8.5	40
36	Determination of copper in powdered chocolate samples by slurry-sampling flame atomic-absorption spectrometry. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 1099-102	4.4	39
35	Simultaneous determination of 13 phenolic bioactive compounds in guava (Psidium guajava L.) by HPLC-PAD with evaluation using PCA and Neural Network Analysis (NNA). *Microchemical Journal*, **2017**, 133, 583-592	4.8	38
34	Direct determination of iron and manganese in wine using the reference element technique and fast sequential multi-element flame atomic absorption spectrometry. *Talanta*, **2008**, 74, 699-702	6.2	35
33	Palladium as chemical modifier for the stabilization of volatile nickel and vanadium compounds in crude oil using graphite furnace atomic absorption spectrometry. *Journal of Analytical Atomic Spectrometry*, **2005**, 20, 1332	3.7	34

32	An on-line pre-concentration system for determination of cadmium in drinking water using FAAS. *Journal of Hazardous Materials*, **2006**, 137, 1357-61	12.8	32
31	Screening of Mangifera indica L. functional content using PCA and neural networks (ANN). *Food Chemistry*, **2019**, 273, 115-123	8.5	30
30	Factorial Design and Doehlert Matrix in Optimization of Flow System for Preconcentration of Copper on Polyurethane Foam Loaded with 4-(2-Pyridylazo)-resorcinol. *Analytical Letters*, **2004**, 37, 1437-1455	2.2	27
29	Mercury determination in petroleum products by electrothermal atomic absorption spectrometry after in situ preconcentration using multiple injections. *Journal of Analytical Atomic Spectrometry*, **2006**, 21, 1327	3.7	26
28	Multivariate analysis of the composition of bioactive in tea of the species Camellia sinensis. *Food Chemistry*, **2019**, 273, 39-44	8.5	24
27	Liquid phase microextraction associated with flow injection systems for the spectrometric determination of trace elements. *TrAC - Trends in Analytical Chemistry*, **2019**, 110, 357-366	14.6	23
26	Simultaneous determination of mercury and selenium in fish by CVG AFS. *Food Chemistry*, **2019**, 273, 24-30	8.5	22
25	Development and optimization of analytical method for the determination of cadmium from mineral water samples by off-line solid phase extraction system using sisal fiber loaded TAR by FAAS. *Microchemical Journal*, **2013**, 106, 363-367	4.8	22
24	Multielementar/centesimal composition and determination of bioactive phenolics in dried fruits and capsules containing Goji berries (Lycium barbarum L.). *Food Chemistry*, **2019**, 273, 15-23	8.5	21
23	Preconcentration and determination of copper in tobacco leaves samples by using a minicolumn of sisal fiber (Agave sisalana) loaded with Alizarin fluorine blue by FAAS. *Talanta*, **2012**, 89, 276-9	6.2	21
22	Automatic on-line pre-concentration system using a knotted reactor for the FAAS determination of lead in drinking water. *Journal of Hazardous Materials*, **2007**, 141, 540-5	12.8	20
21	Speciation analysis of inorganic antimony in airborne particulate matter employing slurry sampling and HG QT AAS. *Journal of Analytical Atomic Spectrometry*, **2011**, 26, 1887	3.7	19
20	Application of multivariate techniques for optimization of direct method for determination of lead in naphtha and petroleum condensate by electrothermal atomic absorption spectrometry. *Mikrochimica Acta*, **2007**, 158, 321-326	5.8	19
19	Slurry Sampling and HG AFS for the Determination of Total Arsenic in Rice Samples. *Food Analytical Methods*, **2013**, 6, 1128-1132	3.4	18
18	Multivariate optimization of a digestion procedure for bismuth determination in urine using continuous flow hydride generation and atomic fluorescence spectrometry. *Microchemical Journal*, **2017**, 130, 147-152	4.8	14
17	Multivariate optimization and validation of an analytical method for the determination of cadmium in wines employing ET AAS. *Journal of the Brazilian Chemical Society*, **2009**, 20, 788-794	1.5	9
16	Determination of mercury in alcohol vinegar samples from Salvador, Bahia, Brazil. *Food Control*, **2015**, 47, 623-627	6.2	8
15	Photo-oxidation using UV radiation as a sample preparation procedure for the determination of copper in fruit juices by flame atomic absorption spectrometry. *Analytical Methods*, **2012**, 4, 855	3.2	8

14	Field sampling system for determination of cadmium and nickel in fresh water by flame atomic absorption spectrometry. *Journal of the Brazilian Chemical Society*, **2005**, 16, 727-732	1.5	8
13	Mineral composition, nutritional properties, total phenolics and flavonoids compounds of the atemoya fruit (Annona squamosa L. x Annona cherimola Mill.) and evaluation using multivariate analysis techniques. *Anais Da Academia Brasileira De Ciencias*, **2016**, 88, 1243-52	1.4	8
12	Mixture Design Optimization of an Analytical Procedure for Iron Extraction and Determination From Cassava Leaves by Slurry Sampling Flame Atomic Absorption Spectrometry. *Spectroscopy Letters*, **2011**, 44, 388-392	1.1	7
11	Determination of phenolic composition of oilseed whole flours by HPLC-DAD with evaluation using chemometric analyses. *Microchemical Journal*, **2020**, 155, 104683	4.8	6
10	Extraction induced by emulsion breaking for As, Se and Hg determination in crude palm oil by vapor generation-AFS. *Food Chemistry*, **2020**, 318, 126473	8.5	6
9	Cloud point extraction for the determination of cadmium and lead employing sequential multi-element flame atomic absorption spectrometry. *International Journal of Environmental Analytical Chemistry*, **2011**, 91, 1447-1452	1.8	6
8	Cellulose-coated CoFe2O4 nanoparticles as an adsorbent for extraction and preconcentration of bioactive compounds in vinegars. *Microchemical Journal*, **2019**, 147, 102-111	4.8	5
7	Evaluation of optimal conditions for determination of low selenium content in shellfish samples collected at Todos os Santos Bay, Bahia, Brazil using HG-AFS. *Environmental Monitoring and Assessment*, **2014**, 186, 5027-32	3.1	5
6	Doehlert design in the optimization of ultrasound assisted dissolution of fish fillet samples with tetramethyl ammonium hydroxide for metals determination using FAAS. *Food Chemistry*, **2019**, 273, 71-76	8.5	5
5	A new online pre-concentration system using hydride generation atomic fluorescence spectrometry (HG AFS) for zinc determination in mineral water and isotonic sports drinks. *Analytical Methods*, **2020**, 12, 1711-1719	3.2	4
4	Evaluation of the nutritional composition in effect of processing cassava leaves (Manihot esculenta) using multivariate analysis techniques. *Microchemical Journal*, **2020**, 152, 104271	4.8	4
3	Chemometric Tools Applied to Evaluation of Fruit Bioactive Compounds Extraction. *Food Analytical Methods*, **2020**, 13, 1176-1189	3.4	1
2	Phenolic content and antioxidant capacity of infusions herbs: Optimization of phenolic extraction and HPLC-DAD method. *Anais Da Academia Brasileira De Ciencias*, **2020**, 92, e20190646	1.4	1
1	Characterization of the chemical composition (mineral, lead and centesimal) in pine nut (Araucaria angustifolia (Bertol.) Kuntze) using exploratory data analysis. *Food Chemistry*, **2022**, 369, 130672	8.5	0