

Walter N L Dos Santos

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Characterization of the chemical composition (mineral, lead and centesimal) in pine nut (<i>Araucaria angustifolia</i> (Bertol.) Kuntze) using exploratory data analysis. <i>Food Chemistry</i> , 2022 , 369, 130672	8.5	0
48	Chemometric Tools Applied to Evaluation of Fruit Bioactive Compounds Extraction. <i>Food Analytical Methods</i> , 2020 , 13, 1176-1189	3.4	1
47	A new online pre-concentration system using hydride generation atomic fluorescence spectrometry (HG AFS) for zinc determination in mineral water and isotonic sports drinks. <i>Analytical Methods</i> , 2020 , 12, 1711-1719	3.2	4
46	Determination of phenolic composition of oilseed whole flours by HPLC-DAD with evaluation using chemometric analyses. <i>Microchemical Journal</i> , 2020 , 155, 104683	4.8	6
45	Extraction induced by emulsion breaking for As, Se and Hg determination in crude palm oil by vapor generation-AFS. <i>Food Chemistry</i> , 2020 , 318, 126473	8.5	6
44	Phenolic content and antioxidant capacity of infusions herbs: Optimization of phenolic extraction and HPLC-DAD method. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020 , 92, e20190646	1.4	1
43	Evaluation of the nutritional composition in effect of processing cassava leaves (<i>Manihot esculenta</i>) using multivariate analysis techniques. <i>Microchemical Journal</i> , 2020 , 152, 104271	4.8	4
42	Cellulose-coated CoFe ₂ O ₄ nanoparticles as an adsorbent for extraction and preconcentration of bioactive compounds in vinegars. <i>Microchemical Journal</i> , 2019 , 147, 102-111	4.8	5
41	Multielementar/centesimal composition and determination of bioactive phenolics in dried fruits and capsules containing Goji berries (<i>Lycium barbarum</i> L.). <i>Food Chemistry</i> , 2019 , 273, 15-23	8.5	21
40	Simultaneous determination of mercury and selenium in fish by CVG AFS. <i>Food Chemistry</i> , 2019 , 273, 24-30	8.5	22
39	Liquid phase microextraction associated with flow injection systems for the spectrometric determination of trace elements. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 357-366	14.6	23
38	Screening of <i>Mangifera indica</i> L. functional content using PCA and neural networks (ANN). <i>Food Chemistry</i> , 2019 , 273, 115-123	8.5	30
37	Doehlert design in the optimization of ultrasound assisted dissolution of fish fillet samples with tetramethyl ammonium hydroxide for metals determination using FAAS. <i>Food Chemistry</i> , 2019 , 273, 71-76	8.5	5
36	Multivariate analysis of the composition of bioactive in tea of the species <i>Camellia sinensis</i> . <i>Food Chemistry</i> , 2019 , 273, 39-44	8.5	24
35	A simple, rapid and green ultrasound assisted and ionic liquid dispersive microextraction procedure for the determination of tin in foods employing ETAAS. <i>Food Chemistry</i> , 2018 , 245, 380-384	8.5	40
34	Simultaneous determination of 13 phenolic bioactive compounds in guava (<i>Psidium guajava</i> L.) by HPLC-PAD with evaluation using PCA and Neural Network Analysis (NNA). <i>Microchemical Journal</i> , 2017 , 133, 583-592	4.8	38
33	Multivariate optimization of a digestion procedure for bismuth determination in urine using continuous flow hydride generation and atomic fluorescence spectrometry. <i>Microchemical Journal</i> , 2017 , 130, 147-152	4.8	14

32	Mineral composition, nutritional properties, total phenolics and flavonoids compounds of the atemoya fruit (<i>Annona squamosa</i> L. x <i>Annona cherimola</i> Mill.) and evaluation using multivariate analysis techniques. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016 , 88, 1243-52	1.4	8
31	Determination of mercury in alcohol vinegar samples from Salvador, Bahia, Brazil. <i>Food Control</i> , 2015 , 47, 623-627	6.2	8
30	Evaluation of optimal conditions for determination of low selenium content in shellfish samples collected at Todos os Santos Bay, Bahia, Brazil using HG-AFS. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 5027-32	3.1	5
29	Slurry Sampling and HG AFS for the Determination of Total Arsenic in Rice Samples. <i>Food Analytical Methods</i> , 2013 , 6, 1128-1132	3.4	18
28	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. <i>Microchemical Journal</i> , 2013 , 106, 363-367	4.8	22
27	Photo-oxidation using UV radiation as a sample preparation procedure for the determination of copper in fruit juices by flame atomic absorption spectrometry. <i>Analytical Methods</i> , 2012 , 4, 855	3.2	8
26	Preconcentration and determination of copper in tobacco leaves samples by using a minicolumn of sisal fiber (<i>Agave sisalana</i>) loaded with Alizarin fluorine blue by FAAS. <i>Talanta</i> , 2012 , 89, 276-9	6.2	21
25	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. <i>Food Chemistry</i> , 2011 , 127, 780-3	8.5	93
24	Speciation analysis of inorganic antimony in airborne particulate matter employing slurry sampling and HG QT AAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1887	3.7	19
23	Mixture Design Optimization of an Analytical Procedure for Iron Extraction and Determination From Cassava Leaves by Slurry Sampling Flame Atomic Absorption Spectrometry. <i>Spectroscopy Letters</i> , 2011 , 44, 388-392	1.1	7
22	Cloud point extraction for the determination of cadmium and lead employing sequential multi-element flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2011 , 91, 1447-1452	1.8	6
21	Slurry Sampling An Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. <i>Applied Spectroscopy Reviews</i> , 2010 , 45, 44-62	4.5	82
20	Uranium determination using atomic spectrometric techniques: an overview. <i>Analytica Chimica Acta</i> , 2010 , 674, 143-56	6.6	108
19	Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. <i>Microchemical Journal</i> , 2009 , 92, 58-67	4.8	189
18	Multivariate optimization and validation of an analytical method for the determination of cadmium in wines employing ET AAS. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 788-794	1.5	9
17	Direct determination of iron and manganese in wine using the reference element technique and fast sequential multi-element flame atomic absorption spectrometry. <i>Talanta</i> , 2008 , 74, 699-702	6.2	35
16	Statistical designs and response surface techniques for the optimization of chromatographic systems. <i>Journal of Chromatography A</i> , 2007 , 1158, 2-14	4.5	439
15	Automatic on-line pre-concentration system using a knotted reactor for the FAAS determination of lead in drinking water. <i>Journal of Hazardous Materials</i> , 2007 , 141, 540-5	12.8	20

14	On-line system for preconcentration and determination of metals in vegetables by inductively coupled plasma optical emission spectrometry. <i>Journal of Hazardous Materials</i> , 2007 , 148, 334-9	12.8	59
13	Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. <i>Journal of Hazardous Materials</i> , 2007 , 145, 358-67	12.8	91
12	Application of multivariate techniques for optimization of direct method for determination of lead in naphtha and petroleum condensate by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2007 , 158, 321-326	5.8	19
11	Mercury determination in petroleum products by electrothermal atomic absorption spectrometry after in situ preconcentration using multiple injections. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 1327	3.7	26
10	Current Status of Direct Solid Sampling for Electrothermal Atomic Absorption Spectrometry: A Critical Review of the Development between 1995 and 2005. <i>Applied Spectroscopy Reviews</i> , 2006 , 41, 377-400	4.5	122
9	Separation and preconcentration procedures for the determination of lead using spectrometric techniques: a review. <i>Talanta</i> , 2006 , 69, 16-24	6.2	186
8	An on-line pre-concentration system for determination of cadmium in drinking water using FAAS. <i>Journal of Hazardous Materials</i> , 2006 , 137, 1357-61	12.8	32
7	Palladium as chemical modifier for the stabilization of volatile nickel and vanadium compounds in crude oil using graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 1332	3.7	34
6	Determination of copper in powdered chocolate samples by slurry-sampling flame atomic-absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 1099-102	4.4	39
5	Field sampling system for determination of cadmium and nickel in fresh water by flame atomic absorption spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 727-732	1.5	8
4	Factorial Design and Doehlert Matrix in Optimization of Flow System for Preconcentration of Copper on Polyurethane Foam Loaded with 4-(2-Pyridylazo)-resorcinol. <i>Analytical Letters</i> , 2004 , 37, 1437-1455	2.2	27
3	Doehlert matrix: a chemometric tool for analytical chemistry-review. <i>Talanta</i> , 2004 , 63, 1061-7	6.2	430
2	On-line preconcentration system using a minicolumn of polyurethane foam loaded with Me-BTABr for zinc determination by Flame Atomic Absorption Spectrometry. <i>Analytica Chimica Acta</i> , 2003 , 481, 283-290	6.6	42
1	Application of Doehlert designs for optimisation of an on-line preconcentration system for copper determination by flame atomic absorption spectrometry. <i>Talanta</i> , 2003 , 61, 295-303	6.2	48