# Walter N L Dos Santos

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 50 papers | 3,005 citations | 218592 26 h-index | 189801 50 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 3275 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Doehlert matrix: a chemometric tool for analytical chemistryâ€"review. Talanta, 2004, 63, 1061-1067. | 2.9 | 511 |
| 2 | Statistical designs and response surface techniques for the optimization of chromatographic systems. Journal of Chromatography A, 2007, 1158, 2-14. | 1.8 | 493 |
| 3 | Chemometric tools in electroanalytical chemistry: Methods for optimization based on factorial design and response surface methodology. Microchemical Journal, 2009, 92, 58-67. | 2.3 | 222 |
| 4 | Separation and preconcentration procedures for the determination of lead using spectrometric techniques: A review. Talanta, 2006, 69, 16-24. | 2.9 | 213 |
| 5 | Current Status of Direct Solid Sampling for Electrothermal Atomic Absorption Spectrometryâ€"A Critical Review of the Development between 1995 and 2005. Applied Spectroscopy Reviews, 2006, 41, 377-400. | 3.4 | 138 |
| 6 | Uranium determination using atomic spectrometric techniques: An overview. Analytica Chimica Acta, 2010, 674, 143-156. | 2.6 | 136 |
| 7 | 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, 780-783. | 4.2 | 107 |
| 8 | Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. Journal of Hazardous Materials, 2007, 145, 358-367. | 6.5 | 106 |
| 9 | Slurry Samplingâ€"An Analytical Strategy for the Determination of Metals and Metalloids by Spectroanalytical Techniques. Applied Spectroscopy Reviews, 2010, 45, 44-62. | 3.4 | 95 |
| 10 | On-line system for preconcentration and determination of metals in vegetables by Inductively Coupled Plasma Optical Emission Spectrometry. Journal of Hazardous Materials, 2007, 148, 334-339. | 6.5 | 65 |
| 11 | 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. | 2.9 | 59 |
| 12 | 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. | 2.3 | 58 |
| 13 | 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. | 4.2 | 51 |
| 14 | 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. | 2.6 | 49 |
| 15 | Simultaneous determination of mercury and selenium in fish by CVG AFS. Food Chemistry, 2019, 273, 24-30. | 4.2 | 44 |
| 16 | Determination of copper in powdered chocolate samples by slurry-sampling flame atomic-absorption spectrometry. Analytical and Bioanalytical Chemistry, 2005, 382, 1099-1102. | 1.9 | 43 |
| 17 | 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. | 1.6 | 43 |
| 18 | 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. | 2.9 | 42 |

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|---|---|---|---|
| 19 | Screening of Mangifera indica L. functional content using PCA and neural networks (ANN). Food Chemistry, 2019, 273, 115-123. | 4.2 | 39 |
| 20 | An on-line pre-concentration system for determination of cadmium in drinking water using FAAS. Journal of Hazardous Materials, 2006, 137, 1357-1361. | 6.5 | 35 |
| 21 | Factorial Design and Doehlert Matrix in Optimization of Flow System for Preconcentration of Copper on Polyurethane Foam Loaded with 4â€(2â€Pyridylazo)â€resorcinol. Analytical Letters, 2004, 37, 1437-1455. | 1.0 | 30 |
| 22 | 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. | 1.6 | 29 |
| 23 | 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. | 4.2 | 28 |
| 24 | Liquid phase microextraction associated with flow injection systems for the spectrometric determination of trace elements. TrAC - Trends in Analytical Chemistry, 2019, 110, 357-366. | 5.8 | 28 |
| 25 | Multivariate analysis of the composition of bioactive in tea of the species Camellia sinensis. Food Chemistry, 2019, 273, 39-44. | 4.2 | 28 |
| 26 | 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, 276-279. | 2.9 | 27 |
| 27 | 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. | 2.3 | 27 |
| 28 | 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, 540-545. | 6.5 | 23 |
| 29 | Slurry Sampling and HG AFS for the Determination of Total Arsenic in Rice Samples. Food Analytical Methods, 2013, 6, 1128-1132. | 1.3 | 21 |
| 30 | 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. | 2.5 | 20 |
| 31 | Speciation analysis of inorganic antimony in airborne particulate matter employing slurry sampling and HG QT AAS. Journal of Analytical Atomic Spectrometry, 2011, 26, 1887. | 1.6 | 20 |
| 32 | 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, 1243-1252. | 0.3 | 15 |
| 33 | 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. | 2.3 | 14 |
| 34 | Extraction induced by emulsion breaking for As, Se and Hg determination in crude palm oil by vapor generation-AFS. Food Chemistry, 2020, 318, 126473. | 4.2 | 14 |
| 35 | 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. | 0.6 | 12 |
| 36 | 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. | 4.2 | 12 |

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|---|---|---|---|
| 37 | Determination of phenolic composition of oilseed whole flours by HPLC-DAD with evaluation using chemometric analyses. Microchemical Journal, 2020, 155, 104683. | 2.3 | 12 |
| 38 | 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. | 0.6 | 11 |
| 39 | Determination of mercury in alcohol vinegar samples from Salvador, Bahia, Brazil. Food Control, 2015, 47, 623-627. | 2.8 | 11 |
| 40 | 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. | 0.5 | 9 |
| 41 | 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. | 1.3 | 9 |
| 42 | Evaluation of the nutritional composition in effect of processing cassava leaves (Manihot esculenta) using multivariate analysis techniques. Microchemical Journal, 2020, 152, 104271. | 2.3 | 9 |
| 43 | Cellulose-coated CoFe2O4 nanoparticles as an adsorbent for extraction and preconcentration of bioactive compounds in vinegars. Microchemical Journal, 2019, 147, 102-111. | 2.3 | 8 |
| 44 | 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. | 1.3 | 8 |
| 45 | Chemometric Tools Applied to Evaluation of Fruit Bioactive Compounds Extraction. Food Analytical Methods, 2020, 13, 1176-1189. | 1.3 | 7 |
| 46 | 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 |
| 47 | 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, 5027-5032. | 1.3 | 6 |
| 48 | Characterization of the chemical composition (mineral, lead and centesimal) in pine nut (Araucaria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 4.2 | 5 |
| 49 | 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. | 0.3 | 5 |
| 50 | Special issue â€“ VIII Brazilian Chemometrics Workshop. Food Chemistry, 2019, 273, 1-2. | 4.2 | 2 |