

## List of publications

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L. Caiazzo, S. Becagli, S. Bertinetti, M. Grotti, S. Nava, M. Severi, R. Traversi, *High Resolution Chemical Stratigraphies of Atmospheric Depositions from a 4 m Depth Snow Pit at Dome C (East Antarctica)*. *Atmosphere* 12 (2021) 909. DOI: 10.3390/atmos12070909

S. Bertinetti, F. Ardini, L. Caiazzo, M. Grotti, *Determination of major elements in Antarctic snow by inductively coupled plasma optical emission spectrometry using a total-consumption sample introduction system*. *Spectrochimica Acta Part B* 181 (2021) 106231. DOI: 10.1016/j.sab.2021.106231

A. Bazzano, S. Bertinetti, F. Ardini, D. Cappelletti, M. Grotti, *Potential Source Areas for Atmospheric Lead Reaching Ny-Ålesund from 2010 to 2018*. *Atmosphere* 12 (2021) 388. DOI: 10.3390/atmos12030388

B. Benedetti, V. Caponigro, F. Ardini. *Experimental Design Step by Step: A Practical Guide for Beginners*. *Critical Reviews in Analytical Chemistry* 2020. DOI: 10.1080/10408347.2020.1848517

C. Cerutti, R. Sánchez, C. Sánchez, F. Ardini, M. Grotti, J.L. Todolí. *Prospect on rare earth elements and metals fingerprint for the geographical discrimination of commercial Spanish wines*. *Molecules* 25 (2020) 5602. DOI: 10.3390/molecules25235602

E. Conca, M. Malandrino, A. Giacomino, E. Costa, F. Ardini, P. Inaudi, O. Abollino. *Optimization of a sequential extraction procedure for trace elements in Arctic PM10*. *Analytical and Bioanalytical Chemistry* 412 (2020) 7429-7440

M. Grotti, J.L. Todolí. *Nitric acid effect in inductively coupled plasma mass spectrometry: new insights on possible causes and correction*. *Journal of Analytical Atomic Spectrometry* 35 (2020) 1959-1968. DOI: 10.1039/D0JA00130A

C. Petroselli, B. Moroni, S. Crocchianti, R. Selvaggi, F. Soggia, M. Grotti, F. d'Acapito, D. Cappelletti. *Iron speciation in different Saharan dust advections and effect of the procedural blank on the results from X-ray Absorption Spectroscopy and selective leaching experiments*. *Atmosphere* 11 (2020) 735. DOI: 10.3390/atmos11070735

S. Bertinetti, F. Ardini, M.A. Vecchio, L. Caiazzo, M. Grotti. *Isotopic analysis of snow from Dome C indicates changes in the source of atmospheric lead over the last fifty years in East Antarctica*. *Chemosphere* 255 (2020) 126858. DOI: 10.1016/j.chemosphere.2020.126858

F. Ardini, A. Bazzano, M. Grotti. *Lead isotopic ratios in the Arctic environment*. *Environmental Chemistry* 17 (2020) 213-239. DOI: 10.1071/EN19227

F. Ardini, G. Dan, M. Grotti. *Arsenic speciation analysis of environmental samples*. *Journal of Analytical Atomic Spectrometry* 35 (2020) 215-237. DOI: 10.1039/c9ja00333a

A. Dreyer, F. Neugebauer, N. Lohmann, H. Ruedel, D. Teubner, M. Grotti, C. Rauert, J. Koschorreck. *Recent findings of halogenated flame retardants (HFR) in the German and Polar environment*. *Environmental Pollution* 253 (2019) 850-863. DOI: 10.1016/j.envpol.2019.07.070

C. Cerutti, C. Sánchez, R. Sánchez, F. Ardini, M. Grotti, J.L. Todolí. *Determination of trace elements in undiluted wine samples using an automatized total sample consumption system coupled to ICP-MS*. *Journal of Analytical Atomic Spectrometry* 34 (2019) 674-682. DOI: 10.1039/C8JA00391B

E. Conca, O. Abollino, A. Giacomino, S. Buoso, R. Traversi, S. Becagli, M. Grotti, M. Malandrino. *Characterization and temporal evolution of the elemental composition of PM10 collected at Ny-Ålesund (Norwegian Arctic)*. *Atmospheric Environment* 203 (2019) 153-165. DOI: 10.1016/j.atmosenv.2019.02.001

C. Petroselli, B. Moroni, S. Crocchianti, R. Selvaggi, F. Soggia, M. Grotti, F. D'Acapito, D. Cappelletti. *Iron speciation of natural and anthropogenic particulate matter by spectroscopic and chemical methods*. *Atmosphere*, in press- DOI: 10.3390/atmos10010008

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