

### Publication list Damiano Monticelli (journal papers)

- P1 On the effect of catalyst status in the quantitative determination of platinum in Pt-Sn/MgO materials, S. Recchia, D. Monticelli, A. Pozzi, L. Rampazzi, C. Dossi, *Fresenius Journal of Analytical Chemistry* 369 (2001), 403-406
- P2 A calibration curve at 2000 meters (a.s.l.): alpine valleys as field laboratories for teaching environmental monitoring to undergraduate students, C. Dossi, D. Monticelli, A. Pozzi, S. Recchia, L. Vezzoli, *Annali di Chimica*, 92 (2002), 407-416
- P3 Trace determination of Ni and Cd in standard matrixes for ISO textile leaching tests, A. Pozzi, D. Monticelli, S. Recchia, A. Farina, C. Greci, C. Dossi, *Annali di Chimica*, 92 (2002), 485-489
- P4 A new microwave-assisted approach to the chemical analysis of mortars, L. Rampazzi, D. Monticelli, R. Verga, L. Toniolo, *Annali di Chimica*, 93 (2003) 315-320
- P5 Ultra trace determination of Pt and Rh in wastewater and gullypot sediments from a low polluted area, A. Pozzi, S. Recchia, D. Monticelli, C. Dossi, L. Rampazzi, P. Curi, *Annali di Chimica*, 93 (2003), 181-186
- P6 The Marmolada glacier: an investigation of natural weathering and anthropic pressure through chemical analyses of melting water and ice, A. Viganò, C. Dossi, U. Mattana, S. Martin, D. Monticelli, A. Pozzi, *Geografia Fisica e Dinamica Quaternaria*, 26 (2003), 71-75
- P7 Copper speciation in glacial stream waters of Rutor glacier (Aosta Valley, Italy), D. Monticelli, C. M. G. van den Berg, A. Pozzi, C. Dossi, *Australian Journal of Chemistry* 57 (2004), 945-949
- P8 Analisi chimica di ghiaccio e acqua sulla Marmolada, C. Dossi, A. Viganò, S. Martin, D. Monticelli, A. Pozzi, U. Mattana, *Neve e Valanghe*, 52 (2004), 42-47
- P9 Lead and copper speciation in remote mountain lakes, A. Ploger, E. Fisher, H.P. Nirmaier, L.M. Laglera, D. Monticelli, C.M.G. van den Berg, *Limnology & Oceanography* 50 (2005), 995-1010
- P10 Differential pulse voltammetric determination of tin in the presence of noble metals, D. Monticelli, R. Psaro, A. Pozzi, C. Dossi, S. Recchia, *Analytical and Bioanalytical Chemistry* 383(1) (2005), 115-121
- P11 A chemometric approach to the investigation of major and minor ion chemistry in Lake Como (Lombardia, northern Italy), B. Giussani, C. Dossi, D. Monticelli, A. Pozzi, S. Recchia, *Annali di Chimica* 96 (5-6) (2006), 339-346
- P12 An investigation of water and ice chemistry in a fast-retreating glacier in the Dolomites (NE Italy): the Fradusta Glacier, C. Dossi, A. Viganò, S. Martin, D. Monticelli, A. Pozzi, *Geografia Fisica e Dinamica Quaternaria*, 29, 1 (2006), 113-119
- P13 La chimica analitica ambientale per lo studio interdisciplinare dell'ambiente montano, C. Dossi, A. Pozzi, S. Recchia, L. Rampazzi, B. Giussani, D. Monticelli, *SLM Sopra il livello del mare*, 26 (2006), 10-15 ISSN: 1592 792X
- P14 Fluid-controlled crustal metasomatism within a high-pressure subducted mélange (Mt. Hochwart, Eastern Italian Alps), S. Tumiatì, G. Godard, S. Martin, U. Klötzli, D. Monticelli, *Lithos*, 94 (2007), 148-167
- P15 Release and speciation of uranium in low-ionic strength groundwaters at an abandoned uranium mine in Val Vedello (Orobic Alps – Italy) by Adsorptive Cathodic Stripping Voltammetry (AdCSV), C. Dossi, G. Carugati, A. Credaro, R. Gambillara, S. Martin, D. Monticelli, A. Pozzi, *International Journal of Environmental Analytical Chemistry*, 87 (5) (2007), 361-373
- P16 Optimization and validation of an automated voltammetric stripping technique for ultratrace metal analysis, D. Monticelli, E. Ciceri, C. Dossi, *Analytica Chimica Acta*, 594 (2007), 192-198

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- P18 Three-way principal component analysis of chemical data from Lake Como watershed, B. Giussani, D. Monticelli, R. Gambillara, A. Pozzi, C. Dossi, *Microchemical Journal*, 88 (2008), 160 – 166
- P19 Environmental factors controlling the precipitation of Cu-bearing hydrotalcite-like compounds from mine waters. The case of the “*Eve verda*” spring (Aosta Valley, Italy), S. Tumiat, G. Godard, N. Masciocchi, S. Martin, D. Monticelli *European Journal of Mineralogy*, 20 (2008), 73 – 94
- P20 Contaminanti nel Lario. Dinamica degli elementi in traccia nel bacino comasco, C. Dossi, D. Monticelli, B. Giussani, *La Chimica e l'Industria*, 10 (2008), 101 – 105
- P21 Tree ring microanalysis by LA–ICP–MS for environmental monitoring: validation or refutation? Two case histories, D. Monticelli, A. Di Iorio, E. Ciceri, A. Castelletti, C. Dossi, *Microchimica Acta*, 164 (2009), 139 – 148
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- P23 Design and performances of a cyclonic flux cell for laser ablation, D. Monticelli, E. L. Gurevich, R. Hergenröder, *Journal of Analytical Atomic Spectrometry*, 24 (2009), 328 – 335
- P24 Design and development of a low cost, high performance UV digester prototype: application to the determination of trace elements by stripping voltammetry, D. Monticelli, G. Carugati, A. Castelletti, S. Recchia, C. Dossi, *Microchemical Journal*, 95 (2010), 158 – 163
- P25 Assessment of accuracy and precision in speciation analysis by competitive ligand equilibration–cathodic stripping voltammetry (CLE–CSV) and application to Antarctic samples, D. Monticelli, C. Dossi, A. Castelletti, *Analytica Chimica Acta*, 675 (2010), 116 – 124
- P26 A novel Total reflection X Ray Fluorescence procedure for the direct determination of trace elements in petrochemical products, A. Cinosi, N. Andriollo, G. Pepponi, D. Monticelli, *Analytical and Bioanalytical Chemistry*, 399 (2011), 927 – 933
- P27 Interpreting complex trace element profiles in sediment cores from a multi-basin deep lake: the western branch of Lake Como, D. Monticelli, A. Pozzi, E. Ciceri, B. Giussani, *International Journal of Environmental Analytical Chemistry*, 91 (2011), 213 – 229
- P28 Dispersed copper oxide: a multifaceted tool in catalysis, N. Scotti, D. Monticelli, F. Zaccheria, *Inorganica Chimica Acta*, 280 (2012), 194 – 200
- P29 An electroanalytical approach to the understanding of copper exportation in glaciated catchments, D. Monticelli, A. Pozzi, A. Credaro, C. Dossi, *Electroanalysis*, 24 (2012), 807 – 812
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- P31 Atmospheric pressure vapour phase decomposition: a proof of principle, A. Cinosi, N. Andriollo, F. Tibaldi, D. Monticelli, *Talanta*, 101 (2012), 148 – 150
- P32 Investigation of tectonically affected groundwater systems through a multidisciplinary approach, R. Gambillara, S. Terrana, B. Giussani, D. Monticelli, S. Roncoroni, S. Martin, *Applied Geochemistry*, 33 (2013), 13 – 24
- P33 Probing the binding site of Abl Tyrosine Kinase using in situ click chemistry, C. Peruzzotti, S. Borrelli, M. Ventura, R. Pantano, G. Fumagalli, M. Christodoulou, D. Monticelli, M. Luzzani,

- A. L. Fallacara, C. Tintori, M. Botta, D. Passarella, *ACS Medicinal Chemistry Letters*, 4 (2013), 274 – 277
- P34 Quantification of iron in seawater at the low picomolar range based on optimization of bromate ammonia dihydroxynaphthalene system by catalytic adsorptive cathodic stripping voltammetry, L. M. Laglera, J. Santos-Encheandia, S. Caprara, D. Monticelli, *Analytical Chemistry*, 85 (2013), 2486 – 2492
- P35 Miniaturization in voltammetry: ultratrace element analysis and speciation with twenty-fold sample size reduction, D. Monticelli, L. M. Laglera, S. Caprara, *Talanta*, 128 (2014), 273 – 277
- P36 Cathodic pseudopolarography: a new tool for the identification and quantification of cysteine, cystine and other low molecular weight thiols in seawater, L. M. Laglera, J. Downes, A. Tovar-Sánchez, D. Monticelli, *Analytica Chimica Acta*, 836 (2014), 24-33
- P37 Anodic Stripping Tin Titration: a novel method for the voltammetric determination of platinum at trace levels, B. Giussani, S. Roncoroni, A. Nemenyi, V. Dal Santo, D. Monticelli, S. Recchia, *Analytical Chemistry*, 86 (2014), 6654-6659
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- P40 S. Caprara, L. M. Laglera, D. Monticelli, Ultrasensitive and fast voltammetric determination of iron in seawater by atmospheric oxygen catalysis in 500 µl samples, *Analytical Chemistry*, 87 (2015), 6357-6363
- P41 Voltammetric tools for trace element speciation in freshwaters: methodologies, outcomes and future perspectives, D. Monticelli, S. Caprara, *Environmental Chemistry*, 12 (2015), 683-705
- P42 Exploiting Chemistry to Improve Performance of Screen-Printed, Bismuth Film Electrodes (SP-BiFE), C. Dossi, D. Monticelli, A. Pozzi, S. Recchia, *Biosensors*, 6 (2016), 38
- P43 Towards a zero-blank, preconcentration-free voltammetric method for iron analysis at picomolar concentrations in unbuffered seawater, L. M. Laglera, S. Caprara, D. Monticelli, *Talanta*, 150 (2016), 449-454
- P44 Evaluation of the two-dimensional performances of low activity planar catalysts: development and validation of a true scanning reactor, M. Marelli, A. Nemenyi, V. Dal Santo, R. Psaro, L. Ostinelli, D. Monticelli, C. Dossi, S. Recchia, *ACS Combinatorial Science*, 18 (2016), 15-21
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- P46 A compilation of iron speciation data for open oceanic waters, S. Caprara, K. N. Buck, L. Gerringa, M. Rijkenberg, D. Monticelli, *Frontiers in Marine Science*, 3 (2016), 221
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