Table S-1 Summary of most important recent review work relevant to the subject of the present review

Title	Reference
Technical aspects of inductively coupled plasma bioanalysis techniques	J. Ammerman, C. Huang, J. Sailstad et al., *Bioanalysis*, 2013, **5**, 1831–1841
Anticancer metallodrug research analytically painting the "omics" picture – current developments and future trends	M. Groessl and C. G. Hartinger, *Anal. Bioanal. Chem*., 2013, **405**, 1791–1808
Mass spectrometry for the characterisation of nanoparticles	A.R. Montoro Bustos, J. R. Encinar and A. Sanz-Medel, *Anal. Bioanal. Chem*., 2013, **405**, 5637–5643
Metallomics: An integrated biometal science	R. G. Ge and H. Z. Sun, *Sci. China B*, 2009, **52**, 2055–2070
Platinum speciation used for elucidating activation or inhibition of Pt-containing anti-cancer drugs	B. Michalke, *J. Trace Elem. Med. Biol*., 2010, **24**, 69–77
Liquid chromatography-inductively coupled plasma-based metallomic approaches to probe health-relevant interactions between xenobiotics and mammalian organisms	J. L. Gomez-Ariza, E. Z. Jahromi, M. González-Fernández, T. Garcia-Barrera and J. Gailer, *Metallomics*, 2011, **3**, 566–577
Element speciation analysis using capillary electrophoresis: twenty years of development and applications	A.R. Timerbaev, *Chem. Rev*., 2013, **113**, 778–812
Laser ablation ICP-MS for quantitative biomedical applications	I. Konz, B. Fernández, M. L. Fernández, R. Pereiro and A. Sanz-Medel, *Anal. Bioanal. Chem*., 2012, **403**, 2113–2125