

Научни съобщения по темата на дисертацията

Публикации в специализирани издания:

1. V. Stefanova, D. Georgieva, V. Kmetov, I. Roman, A. Canals, Unmodified manganese ferrite nanoparticles as a new sorbent for solid-phase extraction of trace metal–APDC complexes followed by inductively coupled plasma mass spectrometry analysis. (2012) J Anal At Spectrometry, 27, p1743. doi:10.1039/c2ja30139c (IF 3.155)
2. D. Georgieva, V. Stefanova, V. Kmetov, I. Roman, N. Kovachev, A. Canals, Application of bare and silica coated MnFe_2O_4 magnetic nanoparticles as a sorbent for solid phase extraction and ICP-OES trace elements determination, University of Plovdiv „Paisii Hilendarski“, Scientific Papers – Chemistry, 38, 5, 7-20 (2011)

Участия в научни конференции и семинари:

1. D. Georgieva, N. Ivanova, V. Stefanova, Surface modification of silica coated MnFe_2O_4 magnetic nanoparticles applied as a sorbent for solid phase extraction of trace elements, 8th National Conference on Chemistry, Chemistry for sustainable development, 26-28 June 2014, Sofia, Bulgaria (доклад)
2. Д. Георгиева, Г. Танчева, В. Кметов, В. Стефанова, Сравнение на подходи за елуиране на V, Co, Cu, Ni, Zn, As, Se, Cd и Pb след твърдофазна екстракция на техните APDC комплекси върху немодифицирани магнитни MnFe_2O_4 наночастици, ACM2 and University of Plovdiv international workshop 21.05.2014 Plovdiv, Bulgaria
3. D. Georgieva, V. Stefanova, V. Kmetov, I. Román, N. Kovachev, A. Canals, Magnetic nanoparticles as a sorbent for solid phase extraction of trace elements before ICP-OES determination: Evaluation of matrix and spectral interferences, Scientific Conference of the University Institute of Materials, 19-20 January 2012, University of Alicante, Alicante, Spain
4. D. Georgieva, V. Stefanova, V. Kmetov, I. Román, N. Kovachev, A. Canals, Application of bare and silica-coated MnFe_2O_4 magnetic nanoparticles as a sorbent for solid phase extraction and ICP-OES trace elements determination, 9th Chemistry Conference, Faculty of Chemistry, University of Plovdiv, Plovdiv, Bulgaria 14-16 October 2011, P-9
5. D. Georgieva, V. Stefanova, V. Kmetov, I. Román, A. Canals, Magnetic nanoparticles solid phase extraction of trace metals - APDC complexes prior to inductively coupled plasma - mass spectrometry analysis, European winter conference on plasma spectrochemistry, 30.01-3.02. 2011, Zaragoza, Spain
6. D. Georgieva, Z. Valkova, V. Paskaleva, V. Stefanova, V. Kmetov, I. Roman, A. Canals, Application of magnetic nanoparticles for preconcentration of trace elements by solid phase extraction, 8th Chemistry Conference, Faculty of Chemistry, University of Plovdiv, Koprivshitsa, Bulgaria, 18-19.06.2010, P-13

Забелязани цитати

Публикация 1 цитирана в:

1. G. Giakisikli, A.N. Anthemidis, Magnetic materials as sorbents for metal/metalloid preconcentration and/or separation. A review, *Analytica Chimica Acta* (2013), 789, 1-16
2. P. Pohl and J. Dedina, A glance at achievements in analytical atomic spectrometry in Central and Eastern Europe, *J. Anal. At. Spectrom.*, (2013) 28, 175
3. V. Romero, I. Costas-Mora, I. Lavilla and C. Bendicho, In situ ultrasound-assisted synthesis of Fe_3O_4 nanoparticles with simultaneous ion co-precipitation for multielemental analysis of natural waters by total reflection X-ray fluorescence spectrometry, *J. Anal. At. Spectrom.*, (2013) 28, 923
4. Tsz-Shan Lum, Yeuk-Ki Tsoi and Kelvin Sze-Yin Leung, Current developments in clinical sample preconcentration prior to elemental analysis by atomic spectrometry: a comprehensive literature review, *J. Anal. At. Spectrom.*, (2014) 29, 234
5. M. J. Pirouz, M. H. Beyki, F. Shemirani, Anhydride functionalised calcium ferrite nanoparticles: A new selective magnetic material for enrichment of lead ions from water and food samples, *Food Chemistry* (2015) 170, 131–137
6. M. Camba, V. Romero, I. Lavilla, C. Bendicho, In situ growth of Fe_3O_4 nanoparticles for dispersive magnetic micro-solid phase extraction of cadmium followed by ETAAS detection. *Analytical Methods* (2015). doi:10.1039/c4ay02522a
7. B. Hu, M. He, B. Chen, Nanometer-sized materials for solid-phase extraction of trace elements, *Anal. Bioanal. Chem.*, (2015), DOI: 10.1007/s00216-014-8429-9