

## **Lista lucrari relevante**

**Dr. Loredana Brinza (Tepes)**

**a) LISTA CELOR MAXIMUM 10 LUCRĂRI CONSIDERATE DE CANDIDAT A FI CELE MAI RELEVANTE**

1. Loredana Brinza, Hong P. Vu, Samuel Shaw, J. Fred W. Mosselmans, Liane G. Benning, 2015, The effect of molybdenum and vanadium on the hydrothermal crystallization of hematite from ferrihydrite at seawater pH and ionic strength - an in situ EDXRD and XAS study, ***Crystal Growth and Design***, accepted; FI: 4.558/2013;
2. Loredana Brinza, Frederick J. W. Mosselmans, Paul F. Schofield, Erica Donner, Enzo Lombi, Mark E. Hodson, 2014, Can earthworm-secreted calcium carbonate immobilise Zn in contaminated soils?, ***Soil Biology and Biochemistry***, 74, 1-10, DOI:10.1016/j.soilbio.2014.01.012; FI: 4.41/2013
3. L. Brinza, P. F. Schofield, M. E. Hodson, S. Weller, K. Ignatyev, K. Geraki, P. D. Quinn and J. F. W. Mosselmans, 2014, Combining  $\mu$ XANES and  $\mu$ XRD mapping to analyse the heterogeneity in calcium carbonate granules excreted by the earthworm *Lumbricus terrestris*, ***Journal of Synchrotron Radiation***, 01/2014, 21, 235-41; DOI:10.1107/S160057751303083X, FI: 3.022/2013;
4. Hong Phuc Vu, Samuel Shaw, Loredana Brinza, Liane G Benning, 2013, Partitioning of Pb (II) during goethite and hematite crystallisation: implication for Pb transport in natural systems, 2013 ***Applied Geochemistry***, 39, 119-128; DOI:10.1016/j.apgeochem.2013.10.001, FI: 2.021/2013;
5. Loredana Brinza, Paul D. Quinn, Paul F. Schofield, Frederick J. W. Mosselmans, Mark E. Hodson, 2012, Incorporation of strontium in earthworm-secreted calcium carbonate granules produced in strontium-amended and strontium-bearing soil, ***Geochimica et Cosmochimica Acta***, 113 21-37, DOI: 10.1016/j.gca.2013.03.011, FI: 4.250/2013;
6. Rob Raiswell, Hong Phuc Vu, Loredana Brinza, Liane Benning, (2010), The determination of Fe in ferrihydrite by ascorbic acid extraction: methodology, dissolution kinetics and loss of solubility with age and de-watering, ***Chemical Geology***, Vol 278, 1-2, 70-79 doi:10.1016/j.chemgeo.2010.09.002, FI: 3.482/2013;
7. Vu Hong Phuc, Shaw Samuel, Brinza Loredana, Benning Liane G., (2010), The crystallization of hematite ( $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>) under alkaline condition: the effects of Pb" ***Crystal Growth and Design***, Vol 10, No 4, 1544–1551, DOI: 10.1021/cg900782g, FI: 4.558/2013;
8. Loredana Brinza, Charlotta A. Nygard, Matthew J. Dring, Liane G. Benning, Maria Gavrilescu, (2009), Cadmium tolerance and adsorption by the marine brown alga *Fucus vesiculosus* from the Irish Sea and the Bothnian Sea, ***Bioresource Technology***, Vol. 100, No 5, 1727-1733, doi:10.1016/j.biortech.2008.09.041, FI: 5.039/2013;
9. Loredana Brinza, Liane G. Benning, Peter J. Statham, (2008), Adsorption studies of Mo and V onto ferrihydrite, Loredana Brinza, Liane G. Benning, Peter J. Statham, (2008), Adsorption studies of Mo and V onto ferrihydrite, ***Mineralogical Magazine***, Vol. 72, No1, 107–110; doi:10.1180/minmag.2008.072.1.385, FI: 1.898/2013;
10. Loredana Brinza, Matthew J. Dring, Maria Gavrilescu, (2007), Marine micro and macro algal species as biosorbents for heavy metals treatment - review, ***Environmental Engineering and Management Journal***, Vol. 6, No. 3, 237-251, FI: 1.258/2013