

List of publications M. Odijk

PhD Thesis

M. Odijk, *Miniaturized Electrochemical Cells - for applications in drug screening and protein cleavage*, **2011**, ISBN 978-90-365-3143-6.

Papers

M. Odijk, W. Olthuis, V. A. T. Dam and A. van den Berg, *Simulation of Redox-Cycling Phenomena at Interdigitated Array (IDA) Electrodes: Amplification and Selectivity*, *Electroanalysis*, 20 (5) **2007**, 463-468.

M. Odijk, A. Baumann, W. Lohmann, F. T. G. van den Brink, W. Olthuis, U. Karst and A. van den Berg, *A microfluidic chip for electrochemical conversions in drug metabolism studies*, *Lab on Chip*, 9 **2009**, 1687-1693.

M. Odijk, A. Baumann, W. Olthuis, A. van den Berg and U. Karst, *Electrochemistry-on-chip for on-line conversions in drug metabolism studies*, *Biosensors and Bioelectronics*, 26 **2010**, 1521-1527.

David Cheyns, Hans Gommans, Mathieu Odijk, Jef Poortmans and Paul Heremans, *Stacked organic solar cells based on pentacene and C60*, *Solar Energy Materials and Solar Cells*, 91 **2007**, 399-404.

Conference contributions

M. Odijk, J. Everse, W. Olthuis and A. van den Berg, *A Simple, Low-Cost Method for High Redox Cycling Amplification Measurements in Hydrogels*, In: 22nd International Conference Eurosensors, XXII **2008** Dresden, ISBN 978-3-00-025217-4.

M. Odijk, W. Olthuis, C.E. van Eijkeren and A. van den Berg, *Electrochemistry-on-chip for on-line, high-turnover conversions in drug metabolism studies*, In: 20th world congress on Biosensors, **2010** Glasgow.

M. Odijk, H. de Boer, W. Olthuis and A. van den Berg, *Lab-in-a-Suitcase for Drug Screening and Proteomics Applications*, In: 14th International Conference on Miniaturized Systems for Chemistry and Life Sciences, **2010** Groningen, ISBN 978-0-9798064-3-8.

M. Odijk, J. Wiedemair, M.J.J. van Megen, W. Olthuis and A. van den Berg, *Differential Cyclic Voltammetry - a Novel Technique for Selective and Simultaneous Detection using Redox Cyling Based Sensors*, In: IEEE sensors conference, **2010** Hawaii, ISBN 978-1-4244-8168-2/10.

C. Salm, J. Eijkel, F. van der Heijden, E. Faber, M. Odijk, *Adapting to a Changing Highschool Population*, In: 8th European Workshop on Microelectronics Education, **2010**.