

Partial List of Joint-Publications TD1105 Year3

M. Penza

COST Action TD1105: Overview of Sensor-Systems for Air Quality Monitoring
Procedia Engineering 87 (2014) 1370-1377

M. Penza et al.

COST Action TD1105: New Sensing Technologies for Environmental Sustainability in Smart Cities, IEEE Sensors 2014 Proceedings, Valencia, Spain, 2-5 Nov. 2014. pp. 1-7

A. Kumar, J. Brunet, C. Varenne, A. Ndiaye, A. Pauly, M. Penza, M. Alvisi

Tetra-tert-butyl copper phthalocyanine-based QCM sensor for toluene detection in air at room temperature

Sens. Act. B: Chem. 210 (2015) 398–407

C. Bur

Selectivity Enhancement of Gas Sensitive Field Effect Transistors by Dynamic Operation

Linköping University Electronic Press, 2015; doi: [10.3384/diss.diva-114670](https://doi.org/10.3384/diss.diva-114670); ISBN (print): 978-91-7519-119-5

C. Bur, M. Bastuck, D. Puglisi, A. Schütze, A. Lloyd Spetz, M. Andersson

Discrimination and quantification of volatile organic compounds in the ppb-range with gas sensitive SiC-FETs using multivariate statistics

Sens. Act. B: Chem. 214 (2015) 225-233

D. Puglisi, J. Eriksson, C. Bur, A. Schuetze, A. Lloyd Spetz, M. Andersson

Catalytic metal-gate field effect transistors based on SiC for indoor air quality control

J. Sens. Sens. Syst. 4 (2015) 1-8

C. Bur, M. Bastuck, A. Schütze, J. Juuti, A. Lloyd Spetz, M. Andersson

Characterization of ash particles with a microheater and gas-sensitive SiC field-effect transistors

J. Sens. Sens. Syst. 3 (2014) 305-313

Z. Darmastuti, C. Bur, N. Lindqvist, M. Andersson, A. Schütze, A. Lloyd Spetz

Hierarchical methods to improve the performance of the SiC-FET as SO₂ sensors in flue gas desulphurization systems

Sens. Act. B: Chem. 206 (2015) 609–616

J. Huotari, R. Bjorklund, J. Lappalainen, A. Lloyd Spetz

Nanostructured Mixed Phase Vanadium Oxide Thin Films as Highly Sensitive Ammonia Sensing Material

Procedia Engineering 87 (2014) 1035 –1038

A. Cvetković, M. Jovašević-Stojanović, D.A. Marković, Z. Ristovski

Concentration and source identification of polycyclic aromatic hydrocarbons in the metropolitan area of Belgrade, Serbia

Atm. Environ. 2105, In Press, doi:10.1016/j.atmosenv.2015.04.034

Dynamic multivariate regression for on-field calibration of high speed air quality chemical multi-sensor systems

S. De Vito, P. Delli Veneri, E. Esposito, M. Salvato, O. Popoola, V. Bright, R.L. Jones

Proceedings of AISEM Annual Conference, 2015 XVIII, pp.1-3, doi:

10.1109/AISEM.2015.7066794