

Poster Session I

Monday, 20 October, 12:50 to 14:50 hrs

1	Memristive Devices with Vanadium Oxide: The Effects of Electrode Selection on the Oxygen Migration Mechanism <u>A. Hussey</u>, B. Walls, V. Ranade, I.V. Shvets
2	Thermal emissivity of silver nanowire networks: a characterization tool for instability studies <u>A. Baret</u>, F. Balty, C. Gobron, A. Daloze, M. George, N. D. Nguyen
3	Improving Hydrogen Sensor Dynamics with Platinum-Decorated CuSCN <u>A. Sfakianou</u>, E. Skliri, E. Gagaoudakis, C.-P. Tsihchlis, Y. Deligiannakis, V. Binas
4	Carbon dots as co-catalysts on TiO ₂ for enhancing photocatalytic degradation of methylparaben <u>A. Galani</u>, D. Kyratzi, E. Mantsiou, M. Zografaki, V. Binas
5	Influence of Cation Ratio and Oxygen Deposition Pressure on Optical and Electrical Properties of Amorphous Copper Tin Oxide Thin Films <u>A. Jörns</u>, D. Splith, M. Grundmann, H. von Wenckstern
6	Investigation of Bipolar pulsed reactive hollow cathode gas flows sputtering for room temperature deposition of Indium-Zinc-Oxide TCOs and ASOs <u>B. Bilgrim Otto Seibertz</u>, Bernd Szyzka
7	DC sputtered Al, Al-Si doped ZnO thin films for hydrogen and methane detection <u>C.P. Tsihchlis</u>, E. Gagaoudakis, A. Sfakianou, I. Papadomichelakis, V. Binas
8	Photocatalytic Water Splitting for Hydrogen Production via ZnO/ZnS Heterostructures <u>D. Papapetrou</u>, E. Skliri, M. Zografaki, V. Binas
9	H ₂ and CH ₄ gas sensors based on DC sputtered In:ZnO thin films <u>D. Paretzoglou</u>, C. Tsihchlis, E. Gagaoudakis, A. Sfakianou, V. Binas
10	Microwave-assisted hydrothermal synthesis of spinel AMn ₂ O ₄ (A: Mn, Ni, Zn or Cu) for supercapacitor applications <u>E. Mantsiou</u>, A. Banti, S. Sotiropoulos, V. Binas
11	Size Reduction and Confinement in p-type Transparent Conducting Oxides <u>E. Gurley</u>, P. Bhatnagar, C. Cooling, K. Fleischer
12	Electrical failure in microscale silver nanowire networks under voltage pulses <u>F. Balty</u>, M. Rondiat, A. Baret, A. V. Silhanek, N. D. Nguyen
13	Ferroelectric Thin-Film Transistors via Solution Processing: A Route to Scalable Non-Volatile Memories <u>G. Antoniou</u>, N. R. Halcovitch, O. V. Kolosov, <u>G. Adamopoulos</u>
14	Bias Stress Stability in In ₂ O ₃ TFTs Using Optimised Yttria-Stabilised Zirconia Dielectrics <u>G. Antoniou</u>, N. R. Halcovitch, O. V. Kolosov, <u>G. Adamopoulos</u>
15	ZnS-based Thin-Film Transistors with Complementary Characteristics for CMOS Applications <u>A. Mohamed</u>, N. R. Halcovitch, O. V. Kolosov, <u>G. Adamopoulos</u>
16	Optimised High-k Composite Dielectrics Enabling Enhanced ZnO TFT Performance <u>U. Dikko</u>, N. R. Halcovitch, O. V. Kolosov, <u>G. Adamopoulos</u>
17	Solution-Processed MgO Thin Films for Oxide TFTs: Structural and Electrical Optimisation <u>A. Mohamed</u>, N. R. Halcovitch, O. V. Kolosov, <u>G. Adamopoulos</u>
18	Phase-Engineered WO ₃ Hydrogen Sensors: Impact of HCl-Assisted Precipitation on Structure, Sensitivity, and Low-Power Operation <u>G. Papadomichelakis</u>, E. Gagaoudakis, C.P. Tsihchlis, E. Skliri, V. Binas