

Poster session 2, Wednesday 12 October

1	Combinatorial study of Nb doped ZnO J. N. Swallow, S. Sathasivam, B. A. D. Williamson, R. E. Treharne, C. J. Carmalt, I. P. Parkin, V. R. Dhanak, D. O. Scanlon, T. D. Veal
2	Al doped Zinc oxide nanoparticles synthesized by laser pyrolysis F. Dumitrache, I. Morjan, C. Fleaca, E. Dutu, C. Luculescu, L. Gavrila, C. I. Locovei, E. Vasile
3	ZnO thin films grown with spatially tuned electrical and optical properties at room temperature F. Gherendi, N. B. Mandache, L. Ion, M. Nistor
4	Optical and electrical properties of rare earth doped ZnO thin films for solar cell devices M. Nistor, F. Gherendi, E. Millon, J. Perrière
5	Transparent conducting materials and their Interfaces for electronic and photonic circuitry and solar electricity generation T. J. Marks
6	Electrospray: A suitable technique for carbon-based rigid and flexible devices A. Cornet, A. Varea, O. Olmedo, O. Monereo, J. D. Prades, A. Cirera
7	Effect of vacuum annealing on transparent SnO _x thin films produced by sputtering of SnO/Sn composite target C. Kim, Y. Won, S. Kim, S. E. Kim
8	Tailoring the resonance wavelength and loss of Ga doped ZnO thin film with high carrier concentration C. Zhu, J. Li, Y. Yang, W. Song
9	High quality ZnO rotary and planar ceramic sputtering targets for related transparent conductive films Y. Yanga, P. Lan, J. Li, Y. Wen, D. Qi, W. Song
10	Visible light - induced reversible hydrophilicity of doped metal oxide micro/nano structured surfaces A. Loufardaki, S. Aslanoglou, E. Orfanoudakis, C. Fotakis, E. Stratakis
11	DC Sputtered ZnO ozone sensors for ultra-low limits detection operating at room temperature D. Katerinopoulou, K. Moschovis, E. Gagaoudakis, E. Aperathitis, V. Binas, G. Kiriakidis
12	Application of ZnO thick films for detection of NO microconcentrations S. Krutovertsev, O. Ivanova, A. Tarasova, L. Krutovertseva
13	Electrical and surface properties of Ge-doped In ₂ O ₃ thin films K. L. Hoyer, A. H. Hubmann, B. Huang, A. Klein
14	TCMs for novel photovoltaic applications M. Espindola-Rodriguez, V. G. Alfonso, Y. Sánchez, H. Xie, M. Neuschitzer, V. Izquierdo-Roca, E. Mas-Marzá, F. Fabregat-Santiago, P. Pistor, A. Pérez-Rodríguez, E. Saucedo, M. Placidi

15	Synthesis and photocatalytic performance of Graphene Mn doped Titania E. Zegiraj, N. Wetchakun, B. Inceesungvorn, S. Phanichphant, G. Kiriakidis, V. Binas
16	Microwave assisted indoor photocatalytic ZnO with various dopants D. Papadaki , G. H. Mhlongo, V. C. Papadimitriou, K. Panagiotaki, S. S. Nkosi, D. E. Motaung , F. Rosei, G. Kiriakidis
17	Majority carrier electrical properties in TCO determined by the method of four coefficients utilising a new AC method to determine the Nernst coefficient I. Forbes, E. Don
18	Synthesis of vanadium dioxide films with Aerosol Spray Pyrolysis S. Gavalas, E. Gagaoudakis, E. Aperathitis, V. Binas, G. Kiriakidis
19	Solution based thermochromic doped VO ₂ particles for energy saving applications L. Zouridi, E. Aperathitis, E. Gagaoudakis, G. Kiriakidis, V. Binas
20	The effect of nitrogen on the properties of rf-sputtered tantalum nitride thin films G. Stavrinidis, S. Georgakis, A. Kostopoulos, K. Tsagaraki, M. Androulidaki, M. Kayambaki, V. Kontomitrou, M. Modreanu, G. Konstantinidis, E. Aperathitis
21	Properties of the MTO/Ag/MTO/PET multilayer film as a function of MTO thickness S. Yoon, G. Jang
22	Near-Ambient-Pressure XPS for TCM research M. Weidner
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24	Photocatalytic performance of poor and transition co-doped Titanium dioxide in relation to processing conditions: Dopant concentration and calcination temperature P. Koumartzis, A. Zachopoulos, G. Kiriakidis, V. Binas
25	Fabrication of a room-temperature H ₂ S gas sensor based on SnO ₂ nanoporous films by pulse laser deposition method C. Viespe
26	Solution based Cu ₂ O nanocubes for gas sensor applications E. Petromichelaki, V. Binas, E. Gagaoudakis, E. Lempidaki, G. Kiriakidis
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34	Fluorine and aluminium doped-zinc oxide films. Physical properties and gas sensing and photocatalytic application M. de la L. Olvera, A. Maldonado
35	Properties of chemo-electrical hydrogen sensors based on NiO:Li/Pd thin-films I. Sta, M. Jlassi, M. Kandyla, M. Hajji, M. Kompitsas, H. Ezzaouia