

## JOURNAL PUBLICATIONS 2010 BY MEMBER

### ARSHAK, AROUSIAN

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Gilmartin, S. F., K. I. Arshak, D. Bain, W. A. Lane, B. McCarthy, D. Collins, S. B. Newcomb and A. Arshak. May-August 2010. Development of a Tungsten Plasma Etch Process for IR Nanobolometer Fabrication. *Microelectronic Engineering*, 87 (5-8), pp. 1634-1639. ISSN: 0167-9317.

Dalton, E., I. Clancy, D. Corcoran, A. Arshak and G. Goberman. May 2010. On-off Intermittency and Criticality in Early Stage Electromigration. *Physical Review Letters*, 104 (21), Article 214101. ISSN: 0031-9007.

Korostynska, O., K. I. Arshak, A. Arshak, E. Gill, P. Creedon and S. Fitzpatrick. March 2010. Polymer Based Micro Sensors Arrays for pH and Glucose Monitoring. *Key Engineering Materials*, 437, pp. 354-358. ISSN: 1013-9826.

### ARSHAK, KHALIL

Gill, E., A. Arshak, K. I. Arshak and O. Korostynska. October 2010. Response Mechanism of Novel Polyaniline Composite Conductimetric pH Sensors and the Effects of Polymer Binder, Surfactant and Film Thickness on Sensor Sensitivity. *European Polymer Journal*, 46 (10), pp. 2042-2050. ISSN: 0014-3057.

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### BULUSHEV, DMITRI

Bulushev, D. A., S. Beloshapkin and J. R. H. Ross. September 2010. Hydrogen from Formic Acid Decomposition over Pd and Au Catalysts. *Catalysis Today*, 154 (1-2), pp. 7-12. ISSN: 0920-5861.

### COONEY, JAKKI

Thornton, R. F., T. F. Kagawa, P. W. O'Toole and J. C. Cooney. April 2010. The Dissemination of C10 Cysteine Protease Genes in *Bacteroides fragilis* by Mobile Genetic Elements. *BMC Microbiology*, 10, Article 122, 15 pages. ISSN: 1471-2180.

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#### **CURTIN, TERESA**

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#### **FIGIEL, ŁUKASZ**

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#### **HAMPSHIRE, STUART**

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#### **HODNETT, KIERAN**

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McArdle, S., T. Curtin and J. J. Leahy. July 2010. Hydrogenation of Sunflower Oil Over Platinum Supported on Silica Catalysts: Preparation, Characterisation and Catalytic Activity. *Applied Catalysis A – General*, 382 (2), pp. 332-338. ISSN: 0926-860X.

### **MAGNER, EDMOND**

Crilly, S. and E. Magner. September 2010. Reversible Conformational Change of Cytochrome C at a Modified Gold Electrode in Methanol. *Physical Chemistry Chemical Physics*, 12 (34), pp. 10093-10097. ISSN: 1463-9076.

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### **MCCARTHY, CONOR**

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### **MCCARTHY, MICHAEL**

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## **MCGLOUGHLIN, TIM**

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Carroll, G. T., P. D. Devereux, D. N. Ku, T. M. McGloughlin and M. T. Walsh. July 2010. Experimental Validation of Convection-diffusion Discretisation Scheme Employed for Computational Modelling of Biological Mass Transport. *Biomedical Engineering Online*, 9, Article 34, 13 pages. ISSN: 1475-925X.

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O'Donoghue, L., A. A. Gandhi, J. Butler, W. Redington, P. Tiernan, T. M. McGloughlin, J. C. Carlson, S. Lavelle and S. A. M. Tofail. February 2010. X-ray and Microstructural Investigation of NiTiPt Alloys Homogenised at Intermediate to High Temperatures. *Nuclear Instruments and Methods in Physics Research B*, 268 (3-4), pp. 287-290. ISSN: 0168-583X.

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### **O'DOWD, NOEL**

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### **O'DWYER, COLM**

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### **RAHMAN, ZAKIA**

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### **RASMUSON, ÅKE**

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#### **RHEN, FERNANDO**

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#### **ROBINSON, JEREMY**

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#### **RYAN, KEVIN M.**

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### **SOULIMANE, TEWFIK**

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### **SYED, TOFAIL**

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## **TANNER, DAVID**

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