

# Research Publications for 2007

## School of Applied Sciences

### Books

Snook, I. (2007). 'The Langevin and Generalised Langevin Approach to the Dynamics of Atomic, Polymeric and Colloidal Systems'. Elsevier, Amsterdam, The Netherlands, ISBN: 13:978-0-444-52129-3

### Book Chapters

Skiba, B., Gurung, A. & Pang, E. (2007). 'Genome mapping and molecular breeding in Lathyrus' in *Genome Mapping and Molecular Breeding in Plants. Pulses, Sugar and Tuber Crops*. Springer, New York, 123 - 131, ISBN: 978-3540345374

Hugel, H. (2007). 'The synthesis of indole related compounds via palladium catalysis' in *Modern Approaches to the Synthesis of O- and N-Heterocycles*. Research Signpost, India, 341 - 364, ISBN: 978-81-308-0165-0

Smith, R. & Mann, N. (2007). 'Acne and the Western Diet: An examination of the potential pathological mechanisms involved' in *Integrative Medicine Perspectives*. AG Publishing, Melbourne, 194 - 219, ISBN: 978-0-9750572-3-0

Tran, T., Amador-Munoz, O., Purcaro, G. & Marriott, P. (2007). 'Gas chromatographic analysis of polyaromatic hydrocarbons' in *Environmental Impact of Polynuclear Aromatic Hydrocarbons*. Research Signpost, India, 331 - 378, ISBN: 978-81-308-0188-9

### Refereed Journal Articles

Adams, M., Romeo, M. & Rawson, P. (2007). 'FTIR analysis and monitoring of synthetic aviation engine oils' in *Talanta*, 73, 629 - 634

Al Kobaisi, M., Tate, M., Rix, C., Jakubov, T. & Mainwaring, D. (2007). 'The effect of molecular imprinting on the pore size distribution of polymers' in *Adsorption-Journal Of The International Adsorption Society*, 13, 315 - 321

Al-Mulla, A., Johnson, M. & Shanks, R. (2007). 'Isothermal crystallization studies of poly(butylene terephthalate) composites' in *Journal Of Polymer Science Part B-Polymer Physics*, 45, 1344 - 1353

Alves, A., Johnston, P., Reichart, P., Jamieson, D. & Siegele, R. (2007). 'Characterization of ion tracks in PMMA for single ion lithography' in *Nuclear Instruments & Methods In Physics Research Section B-Beam Interactions With Materials And Atoms*, 260, 431 - 436

Attar-bashi, N., Weisinger, R., Begg, D., Li, D. & Sinclair, A. (2007). 'Failure of conjugated linoleic acid supplementation to enhance biosynthesis of docosahexaenoic acid from alpha-linolenic acid in healthy human volunteers' in *Prostaglandins Leukotrienes And Essential Fatty Acids*, 76, 121 - 130

Auger, J., Martinez, V. & Stout, B. (2007). 'Absorption and scattering properties of dense ensembles of nonspherical particles' in *Journal Of The Optical Society Of America A-Optics Image Science And Vision*, 24, 3508 - 3516

Bachtiar, B., Coloe, P. & Fry, B. (2007). 'Knockout mutagenesis of the kpsE gene of Campylobacter jejuni 81116 and its involvement in bacterium-host interactions' in *Fems Immunology And Medical Microbiology*, 49, 149 - 154

Bansal, V., Syed, A., Bhargava, S., Ahmad, A. & Sastry, M. (2007). 'Zirconia enrichment in zircon sand by selective fungus-mediated bioleaching of silica' in *Langmuir*, 23 (9), 4993 - 4998

- Barnard, A. & Russo, S. (2007). 'Shape and thermodynamic stability of pyrite FeS<sub>2</sub> nanocrystals and nanorods' in *Journal Of Physical Chemistry C*, 111, 11742 - 11746
- Barnard, A., Snook, I. & Russo, S. (2007). 'Bonding and structure in B<sub>x</sub>N<sub>y</sub> nanotubes (x,y=1,2)' in *Journal Of Materials Chemistry*, 17, 2892 - 2898
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