

2013 - Publications



Book Sections

Boffito, D.C., Pirola, C., Bianchi, C.L., Cerrato, G., Morandi, S. and Ashokkumar, M. (2013) Sulphated inorganic oxides for methyl esters production: traditional and ultrasound-assisted techniques. In R. Luque and A.M. Balu (eds.) *Producing fuels and fine chemicals from biomass using nanomaterials*. CRC Press, Boca Raton, pp. 137 - 162.

O'Connor, A.J. and Morrison, W.A. (2013) Tissue engineering. In Gurtner, G.C. (ed.) *Plastic Surgery, Third Edition*. Elsevier Saunders, Amsterdam, Vol. 1, pp. 367-396.

Wang, X., Chee Kimling, M. and Caruso, R.A. (2013) Preparation of nanoporous semiconductor-based materials for photocatalytic applications. In Q. Xu (ed.) *Nanoporous Materials: Synthesis and Application*. CRC Press Boca Raton, pp. 201–235.

Refereed Journal Articles

Abid, H.R., Shang, J., Ang, H.-M. and Wang, S. (2013) Amino-functionalized Zr-MOF nanoparticles for adsorption of CO₂ and CH₄. *International Journal of Smart and Nano Materials*, **4**, 72-82.

Alqathami, M., Adamovics, J., Benning, R., Qiao, G., Geso, M. and Blencowe, A. (2013) Evaluation of ultra-sensitive leucomalachite dye derivatives for use in the PRESAGE (R) dosimeter. *Radiation Physics and Chemistry*, **85**, 204-209.

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Ashokkumar, M., Tihomirova, N., Shestakov, S., Krasulya, O. and Rink, R. (2013) Research of sonochemistry of the dairy systems to improve the properties of milk semis. *IOSR Journal of Engineering*, **3**, 9-13.

Baker, C.M., Hughes, B.D. and Landman, K.A. (2013) Random walks in nonuniform environments with local dynamic interactions. *Physical Review E*, **88**, 2113-2113.

Barkade, S.S., Pinjari, D.V., Singh, A.K., Gogate, P.R., Naik, J.B., Sonawane, S.H., Ashokkumar, M. and Pandit, A.B. (2013) Ultrasound assisted miniemulsion polymerization for preparation of polypyrrole-zinc oxide (PPy/ZnO) functional latex for liquefied petroleum gas sensing. *Industrial & Engineering Chemistry Research*, **52**, 7704-7712.

Barker, S.F., Packer, M., Scales, P.J., Gray, S., Snape, I. and Hamilton, A.J. (2013) Do the Australian guidelines for water recycling protect small or remote communities? *Water (Melbourne)*, **40**, 85-87.

Barker, S.F., Packer, M., Scales, P.J., Gray, S., Snape, I. and Hamilton, A.J. (2013) Pathogen reduction requirements for direct potable reuse in Antarctica: Evaluating human health risks in small communities. *Science of the Total Environment*, **461**, 723-733.

Bernal, S.A., Provis, J.L., Walkley, B., San Nicolas, R., Gehman, J.D., Brice, D.G., Kilcullen, A.R., Duxson, P. and van Deventer, J.S.J. (2013) Gel nanostructure in alkali-activated

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Cavaliere, F., Colone, M., Stringaro, A., Tortora, M., Calcabrini, A., Zhou, M.F. and Ashokkumar, M. (2013) Influence of the morphology of lysozyme-shelled microparticles on the cellular association, uptake, and degradation in human breast adenocarcinoma cells. *Particle & Particle Systems Characterization*, **30**, 695-705.

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