Ian Wark Research Institute

B - Book Chapter


C1 - Refereed Journal Article


Simovic, S, He, H, Song, M, Davey, A, Rades, T & Prestidge, C, (2010), 'An oral delivery system for indomethicin engineered from cationic lipid emulsions and silica nanoparticles',


Farrokhpay, S, Manouchehri, H-R & Grano, S, (2010), 'Significance of Feed Classification by Hydrocycloning on Flotation Copper Recovery', Canadian Metallurgical Quarterly, 49, (2), 107-112, (0008-4433), 2010


Simovic, S, Losic, D & Vasilev, K, (2010), 'Controlled drug release from porous materials by plasma polymer deposition', Chemical Communications, 46, 1317-1319, (1359-7345), 2010

Simovic, S, Heard, P & Prestidge, C, (2010), 'Hybrid lipid-silica microcapsules engineered by phase coacervation of Pickering emulsions to enhance lipid hydrolysis', Physical Chemistry Chemical Physics, 12, 7162-7170, (1463-9076), 2010


Sedeva, I G, Fetzer, R, Fornasiero, D, Ralston, J & Beattie, D, (2010), 'Adsorption of modified dextrins to a hydrophobic surface: QCM-D studies, AFM imaging, and dynamic contact angle


Yang, D D, Krasowska, M, Sedev, R & Ralston, J, (2010), 'The unusual surface chemistry of a-Al2O3 (0001)', *Physical Chemistry Chemical Physics*, 12, (41), 13724-13729, (1463-9076), 2010

Jiang, L, Krasowska, M, Fornasiero, D, Koh, P & Ralston, J, (2010), 'Electrostatic attraction between a hydrophilic solid and a bubble', *Physical Chemistry Chemical Physics*, 12, (43), 14527-14533, (1463-9076), 2010


Priest, C, (2010), 'Surface patterning of bonded microfluidic channels', *Biomicrofluidics*, 4, 032206, (1932-1058), 2010


Acres, R G, Harmer-Bassell, S & Beattie, D, (2010), 'Synchrotron PEEM and ToF-SIMS study of
oxidized heterogeneous pentlandite, pyrrhotite and chalcopyrite', *Journal of Synchrotron Radiation*, 17, (5), 606-615, (0909-0495), 2010


**E1 - Refereed Conference Paper**

Aw, S, Simovic, S, Sarvestani, G, Addai-Mensah, J & Losic, D, (2010), 'A fluorescence correlation spectroscopy (FCS) study on polymer micelles loaded in alumina nanopores for drug delivery applications', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-9, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Otsuki, A & Sagawa, T, (2010), 'Observation of Pearl chain formation of dielectric particles under an electric field using digital microscope', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Sinche Gonzalez, M, Fornasiero, D & Levay, G, (2010), 'Effect of Water quality on chalcopyrite and molybdenite flotation', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Shi, Y & Fornasiero, D, (2010), 'Flotation of oxidised chalcopyrite', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Fung, Y, Connor, J & Addai-Mensah, J, (2010), 'Effect of mineralogy and oxidant type on aqueous Dispersion oxidation-reduction potential at low Ph.', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010


Aw, S, Simovic, S, Yu, Y, Addai-Mensah, J & Losic, D, (2010), 'Porous silica microparticles from diatomaceous earth (De) for drug delivery applications', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Yu, Y, Addai-Mensah, J & Losic, D, (2010), 'Fabrication of Diatomaceous Earth (De) Templated Gold Microparticles for Catalytic Application', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010
Yu, Y, Addai-Mensah, J & Losic, D, (2010), 'Surface Modification of Diatomaceous Earth Silica Microparticles with Functional silanes for Metal Ions Sorption', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Albrecht, T W, Addai-Mensah, J & Fornasiero, D, (2010), 'Effect of water temperature on sphalerite flotation', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010


Quast, K & Newell, R, (2010), 'Effect of pyrrhotite on gold leaching', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Quast, K, (2010), 'An Investigation of pyrite depression in processing Moonta mines cooper ore', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-9, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010


Chipfunhu, D, Zanin, M & Grano, S, (2010), 'The dependency of the critical contact angle of flotation on particle size - evidence for the non-floatability of fine particles', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010


Farrokhpay, S, Ametov, I & Grano, S, (2010), 'Flotation behaviour of coarse composite copper bearing particles in high viscosity medium', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-10, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010

Otsuki, A, Barry, S & Fornasiero, D, (2010), 'Rheological studies of two-mineral mixture systems', *2010 Chemeca proceedings: Engineering at the edge*, ICMS Pty Ltd, 1-8, Adelaide, Australia, (Prof. Mark Biggs, Ed(s)), 2010


Connor, J, Xavier, A, Voss, L & Druskovich, D, (2010), 'Screening of green inhibitors used during acid cleaning of heat exchanger tubes in the alumina industry', Corrosion & Prevention 2010: Always Protecting, Always Learning, Australasian corrosion Association, 1-11, Adelaide, South Australia, (Roman Dankiw & Dennis Richards, Ed(s)), 2010