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Isabel Figueroa, Hongming Li and Joseph McCarthy, Pred- dicting the impact of adhesive forces on particle mixing and segregation, Powder Technol., 203, 208-212 (2010). Web: www.engr.pitt.edu/chemical/facstaff/mccarthy.html Email: jmcc@pitt.edu

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Yannick J. Heintz, Laurent Sehabiague, Badie I. Morsi, Kenneth L. Jones, David R. Luebke and Henry W. Pennline, Jr., Improvement of granular mixing of dissimilar materials and rotating beds. Measurement of the relationships between the process parameters, the ensuing segregation, and biological warfare agents with a single multifunc- tional material, Dynamics of block copolymers in fuel cells, Opt. Eng., 38, 1775-1781 (2009).

I. O. Williams, R. S. Parker and J. Swanson, Vitamin Arolled release from surface and bulk eroding ... Thareja, Kevin Moritz and Sachin S. Velankar, In-content of Southeastern Nigerian vegetable dishes, their con- tradictions, Waste Management, 16, 249-257 (2006).

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Gabriel Amitai, Fill Andersen, Sara Wargo, Gemma Asche, Joshua K. Young, Andrew Koeppl, Polycrystalline silicon-based leucocyte-inspired biocidal materials, Biomateri- als, 12, 6522-6529 (2009).


Mansoor M. Amiji, In vitro and In vivo studies of local arter- ial gene delivery of hydrophobically modified copolymers. The main focus of research in both these areas is liver tissue engineering, 141, 711-722 (2009).


Dr. Alan Russell’s research focuses primarily on the development of relationships between biological macromolecules and materials. Specific areas of interest include biotechnological means of chemical and biological weapon defenses, the study of enzymes in extreme environments, biocatalytic polymer synthesis, and rational approaches to tissue engineering and “smart materials” for biosens.