

Publications

List of publications

1. Nguyen, VB, Wang, CX, Thomas, CR, Zhang, Z. (2009) Mechanical properties of single alginate microspheres determined by microcompression and finite element modelling. *Chemical Engineering Science* 64 (5): 821-829. [\[Link\] \(http://dx.doi.org/10.1016/j.ces.2008.10.050\)](http://dx.doi.org/10.1016/j.ces.2008.10.050)
2. Xue, J., Zhang, Z. (2009) Physical, structural, and mechanical characterization of calcium-shellac microspheres as a carrier of carbamide peroxide. *Journal of Applied Polymer Science* 113(3): 1619-1625. [\[Link\] \(http://www3.interscience.wiley.com/journal/122323570/abstract\)](http://www3.interscience.wiley.com/journal/122323570/abstract)
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4. Garrett, T. R., Bhakoo, M. and Zhang Z. (2008) Characterisation of Bacterial Adhesion and Removal in a Flow Chamber by Micromanipulation Measurements. *Biotechnology Letters* 30: 427-433. [\[Link\] \(http://www.springerlink.com/content/v54h55257826t800/\)](http://www.springerlink.com/content/v54h55257826t800/)
5. Yap, S. F., Adams, M. J., Seville, J. P. K. and Zhang. Z. (2008) Single and bulk compression of pharmaceutical excipients: Evaluation of mechanical properties. *Powder Technology* 185: 1-10. [\[Link\] \(http://dx.doi.org/10.1016/j.powtec.2007.09.005\)](http://dx.doi.org/10.1016/j.powtec.2007.09.005)
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7. Garrett, T. R., Bhakoo, M. and Zhang, Z. (2008) Bacterial Adhesion and Biofilms on Surfaces. *Progress in Natural Sciences* 18: 1049-1056. [\[Link\] \(http://dx.doi.org/10.1016/j.pnsc.2008.04.001\)](http://dx.doi.org/10.1016/j.pnsc.2008.04.001)
8. Xue, J. and Zhang, Z. (2008) Preparation and Characterization of Calcium-Shellac Spheres as a Carrier of Carbamide Peroxide. *J. Microencapsulation* 25 (8): 523-530. [\[Link\] \(http://www.ncbi.nlm.nih.gov/pubmed/18465290\)](http://www.ncbi.nlm.nih.gov/pubmed/18465290)
9. Ren, Y., Donald, A. M. and Zhang, Z. (2008) Investigation of the morphology, viability and mechanical properties of yeast cells in environmental SEM. *Scanning* 30 (6): 435-442. [\[Link\] \(http://www3.interscience.wiley.com/journal/121370891/abstract\)](http://www3.interscience.wiley.com/journal/121370891/abstract)
10. Liu, W., Aziz, N.Ab., Zhang, Z. and Fryer, P. J. (2007) Quantification of the cleaning of egg albumin deposits using micromanipulation and direct observation techniques. *Journal of Food Engineering* 78: 217-224. [\[Link\] \(http://dx.doi.org/10.1016/j.jfoodeng.2005.09.019\)](http://dx.doi.org/10.1016/j.jfoodeng.2005.09.019)
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14. Lai, M., Kulak, A. N., Law, D., Zhang, Z., Meldrum, F. C. and Riley D. J. (2007) Profiting from Nature: Macroporous Copper with Superior Mechanical Properties. *Chemical Communications* 34: 3547-3549. [\[Link\] \(http://rsc.org/ej/CC/2007/b707469g.pdf\)](http://rsc.org/ej/CC/2007/b707469g.pdf)
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18. Liu, W., Fryer, P. J., Zhang, Z., Zhao, Q. and Liu, Y. (2006) Identification of cohesive and adhesive effects in the cleaning of food fouling deposits. *Innovative Food Science and Emerging Technologies* 7: 263-269. [\[Link\] \(http://dx.doi.org/10.1016/j.ifset.2006.02.006\)](http://dx.doi.org/10.1016/j.ifset.2006.02.006)
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