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所有發表期刊論文及會議論文

1. Sun-Mou Lai, Ruey-Chi Hsu, Chi-Yuan Hsieh, Fang-Chyou Chiu, 2015, "Comparisons of polycarbonate and polycarbonate/carbon nanotube nanocomposites and their microcellular foams prepared using supercritical carbon dioxide", *J Mater Sci.*, 50, pp.2272-2283.
2. H.P. Kuo, C.T. Wu and R.C. Hsu, 2011, "Continuous toluene vapour photocatalytic deduction in a multi-stage fluidised bed", *Powder Technology*, 210(3), pp. 225-229.
3. H.P. Kuo, C.T. Wu and R.C. Hsu, 2009, "Continuous deduction of toluene from the contaminated gas stream in a fluidised bed photoreactor", *Powder Technology*, 195(1), pp. 50-56.
4. H.P. Kuo, H.Z. Zhang and R.C. Hsu, 2008, "CFD modelling of a countercurrent staged fluidised bed", *Chem. Eng. J.*, 137(3), pp.664-676.
5. H. P. Kuo, P. Y. Shih, R. C. Hsu, 2006, "Coupled axial-radial segregation in rotating drums with high fill levels", *AIChE J.*, 52(7), pp2422-2427.
6. H. P. Kuo, R. C. Hsu and Y. C. Hsiao, 2005, "Investigation of Axial Segregation in a Rotating Drum", *Powder Technology*, 153, pp196-207.

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2. Ruey -Chi Hsu and Siou- Hong Shen, "Precipitation of clotrimazole microparticles by using supercritical carbon dioxide anti-solvent method ", SuperGreen 2013 (The 8th International Conference on Supercritical Fluid), Kaohsiung, Taiwan.
3. R. C. Hsu, J. D. Wu and C. C. Kang, 2013, "Mixing Characteristics of Gas-Liquid and Solid-Liquid by using CFD", Taiwan-Japan Joint Symposium on Mixing Technology.
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5. Ruey-Chi Hsu, Wei-Ann Hong, Hsin-Chun Lu, Chu-Ping Fang, Chang, 2012, "Precipitation of Penicillin G Potassium Salt Microparticles by using Supercritical Carbon Dioxide Anti-solvent Method", ISSF2012 P1513,
6. R. C. Hsu and S. H. Wang, 2009, "Production of PLGA Particles by Using Supercritical Carbon Dioxide Anti-Solvent", 2009 AIChE Annual Meeting, Nashville, TN, USA, #529g.
7. R. C. Hsu, C. C. Wu and Y. T. Deng, 2009, "Production of PCL Particles by Using Supercritical Carbon Dioxide Anti-Solvent", Supergreen2009 , Sendai, Japan, P1-103.
8. R. C. Hsu and K. F. Chang, 2008, "Production of Water-Based Polyurethane Microfoaming Matrix by Using Supercritical Carbon Dioxide", 11th European Meeting on Supercritical Fluids, Barcelona, Spain, #197.
9. R. C. Hsu, H. C. Yang and Y. T. Deng, 2007, " Production of Thermoplastic polyurethane Microfoaming Matrix by Using Supercritical Carbon Dioxide", Super Green 2007, Seoul, Korea, P01-24.
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11. R. C. Hsu and Y. C. Chung, 2006, "Production of mCOC Microfoaming Matrix by Using Supercritical Carbon Dioxide" , 2006 International Symposium on Supercritical Fluids .
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13. R. C. Hsu and C. H. Liu , 2005 , ” Extraction and Chromatography of Tea Polyphenols by Using Supercritical CO₂ “ , 2005 International Symposium on Supercritical Fluids .
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 15. Ruey Chi Hsu and Ta Chun Lan, 2002, “A Novel Cultivation Method for Highly CO₂-Tolerant *Chlorella* sp. and Utilization”, 9th APCChe Congress, 206.
 16. Hsu, Ruey Chi and Leu, Bow Gung, “The Adsorption of Copper Ion by Using Extracted Residue of *Ganoderma Lucidum*”, 2002 Taiwan/Korea/Japan Chemical Engineering Conference, 135.
 17. R. C. Hsu and C. C. Chen, 2001, “The Performance of Gas Dispersion by Different Impellers under Solutions of Electrolytes”, The 23rd Symposium of Transport Phenomena and Its Applications/Membrane Separation Forum, 307-310.
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