



2010

- [ACL10-01]** SERIN J.P., JAY S.*, CÉZAC P., CONTAMINE F., MERCADIER J., ARRABIE C., LEGROS-ADRIAN J.M., 2010, "Experimental studies of solubility of elemental sulphur in supercritical carbon dioxide", *Journal of supercritical Fluids*, 53 (1-3) 12-16. (EN)
- [ACL10-02]** LETELLIER S., MARIAS F., CÉZAC P., SERIN J.P., 2010, "Gasification of aqueous biomass in supercritical water: A thermodynamic equilibrium analysis", *Journal of Supercritical Fluids*, 51 (3) 353-361. (PE)
- [ACL10-03]** RAYNAUD M.*, HERITIER P., BAUDEZ J-C., VAXELAIRE J., 2010, "Experimental characterisation of activated sludge behaviour during mechanical expression", *Process Safety and Environmental Protection* 88(3), 200-206. (PE)
- [ACL10-04]** MAHMOUD A*., OLIVIER J., VAXELAIRE J., HOADLEY A., 2010, "Electrical fields : a historical review of its application and contributions in wastewater sludge dewatering", *Water Research* 44(8), 2381-2407. (PE)
- [ACL10-05]** GRIMI N., MAMOUNI F., LEOVKA N., VOROBIEV E., VAXELAIRE J., 2010, "Acoustic Impulse Response in Apple Tissues Treated by Pulsed Electric Field", *Biosystems Engineering* 105(2), 266-272. (PE)
- [ACL10-06]** N. GRIMI, N. LEOVKA, E. VOROBIEV, J. VAXELAIRE, 2010, "Solid-liquid expression from denaturated plant tissue: Filtration-consolidation behaviour", *Journal Food Engineering* 96(1), 29-36. (PE)
- [ACL10-07]** RAYNAUD M. *, VAXELAIRE J., HERITIER P., BAUDEZ J-C., 2010, "Activated sludge dewatering in filtration compression cell: deviations in comparison to classical theory", *Asia-Pacific Journal of Chemical Engineering* "5(5), 785-790" (PE)
- [ACL10-08]** FOURCAULT A. *, MARIAS F., MICHON U., 2010, "Thermal removal of tars in a high temperature stage fed by a plasma torch". *Biomass & Bioenergy* 34, 1363-1374. (PE)
- [ACL10-09]** DEYDIER A., MARIAS F., BERNADA P., COUTURE F., MICHON U., 2010, "Equilibrium model for a travelling bed gasifier." *Biomass & Bioenergy*. In Press (PE)
- [ACL10-10]** FAGES J., AYMONIER C., CANSELL F., MERCADIER J., 2010, "New trends in supercritical fluids: Energy; materials; processing." A special issue-9th International Symposium on Supercritical Fluids, May 18-20, 2009, Arcachon, France *Journal of Supercritical Fluids* 53 (1-3), pp. 1 (PE)
- [ACL10-11]** MORY M., ABADIE S., MAURIET S., LUBIN P. 2010, "Run-up flow of a collapsing bore over a beach" *European Journal of Mechanics, B/ Fluids*(PE)
- [ACL10-12]** SABONI A., ALEXANDROVA S., MORY M. 2010 "Flow around a contaminated fluid sphere" *International Journal of Multiphase Flow* 36 (6), pp. 503-512 (PE)
- [ACL10-13]** SOCHARD S., FERNANDES N., RENEAUME J. 2010 "Modeling of adsorption isotherm of a binary mixture with real adsorbed solution theory and nonrandom two-liquid model" *AIChE Journal* 56 (12), pp. 3109-3119 (PE)
- [ACL10-14]** ONDARTS M., HORT C., PLATEL V., SOCHARD S. 2010 "Indoor air purification by compost packed biofilter" *International Journal of Chemical Reactor Engineering* 8, art. no. A54 (PE)
- [ACL10-15]** BEDECARRATS J.P., DAVID* T., CASTAING-LASVIGNOTTES J., 2010, "Ice slurry generator using the supercooling phenomenon". *Int. Journal of Refrigeration*, 33, 196-204. (EN)
- [ACL10-16]** CHAMPIER D., BEDECARRATS J.P., RIVALETTO M., STRUB F., 2010, "Thermoelectric power generation from biomass cook stoves", *Energy*, 35, 935-942. (EN)
- [ACL10-17]** EL ABBASSI* I., CASTAING-LASVIGNOTTES J., BEDECARRATS J.P., DUMAS J.P., MIMET A., 2010, "Energetic performances of a refrigerating loop using ice slurry", *Applied Thermal Engineering*, 30, 962-969. (EN)

- 
- [ACL10-18]** CASTAING-LASVIGNOTTES J., GIBOUT S., 2010 "Dynamic simulation of reciprocating refrigeration compressors and experimental validation" *International Journal of Refrigeration* 33 (2), pp. 381-389 (EN)
- [ACL10-19]** CARTIER V., CLARET C., GARNIER R., FAYOLLE S., FRANQUET E. 2010 "Multi-scale approach to the environmental factors effects on spatio-temporal variability of *Chironomus salinarius* (Diptera: Chironomidae) in a French coastal lagoon" *Estuarine, Coastal and Shelf Science* 86 (4), pp. 637-644 (EN)
- [ACL10-20]** JAMIL A., CAUBET S., GRASSL B., KOUSKSOU T., EL OMARI K., ZERAOULI Y., LE GUER Y. 2010 "Thermal properties of non-crystallizable oil-in-water highly concentrated emulsions" *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (EN)
- [ACL10-21]** KOUSKSOU T., ARID A., MAJID J., ZERAOULI Y. 2010 "International Journal of Refrigeration" 33 (8), pp. 1550-1558 (EN)
- [ACL10-22]** KOUSKSOU T., BRUEL P. 2010 "Encapsulated phase change material under cyclic pulsed heat load" *International Journal of Refrigeration* 33 (8), pp. 1648-1656 (EN)
- [ACL10-23]** KOUSKSOU T., EL RHAFIKI T., EL OMARI K., ZERAOULI Y., LE GUER Y. 2010 "Forced convective heat transfer in supercooled phase-change material suspensions with stochastic crystallization" *International Journal of Refrigeration* 33 (8), pp. 1569-1582 (EN)
- [ACL10-24]** KOUSKSOU T., JAMIL A., ZERAOULI Y. 2010 "Use of multiple heating rates DSC to determine the specific heat capacity" *High Temperatures - High Pressures* 39 (2), pp. 165-179 (EN)
- [ACL10-25]** JEGADHEESWARAN S., POHEKAR S.D., KOUSKSOU T. 2010 "Exergy based performance evaluation of latent heat thermal storage system: A review" *Renewable and Sustainable Energy Reviews* 14 (9), pp. X2580-2595 0 (EN)
- [ACL10-26]** KOUSKSOU T., JAMIL A., RHAFIKI T.E., ZERAOULI Y. 2010 "Paraffin wax mixtures as phase change materials" *Solar Energy Materials and Solar Cells* 94 (12), pp. 2158-2165 0 (EN)
- [ACL10-27]** RHAFIKI T.E., KOUSKSOU T., ZERAOULI Y. 2010 "Thermal performance of microencapsulated phase-change-material slurry: Laminar flow in circular tube" *Journal of Thermophysics and Heat Transfer* 24 (3), pp. 480-489 (EN)
- [ACL10-28]** KOUSKSOU T., JAMIL A., EL RHAFIKI T., ZERAOULI Y. 2010 "Prediction of the heat transfer coefficient for ice slurry flows in a horizontal pipe" *Energy Conversion and Management* 51 (6), pp. 1311-1318 0 (EN)
- [ACL10-29]** JAMIL A., KOUSKSOU T., OMARI K.E., ZERAOULI Y., LE GUER Y. 2010 "Heat transfer in salt solutions enclosed in DSC cells" *Thermochimica Acta* 507-508, pp. 15-20 0 (EN)
- [ACL10-30]** KOUSKSOU T., JAMIL A., BRUEL P. 2010 "Asymptotic behavior of a storage unit undergoing cyclic melting and solidification processes" *Journal of Thermophysics and Heat Transfer* 24 (2), pp. 355-363 (EN)
- [ACL10-31]** GEORGIEVA S., KARSHEVA M., ALEXANDROVA S., "Etude des émulsions cosmétiques aux extraits naturels par des méthodes rhéologiques : effet de la température", *Revue de Génie Industriel*, 5, 133-142, 2010 (PE)