



2009

- [ACL09-01]** KRIAA* K., SERIN J.P., CONTAMINE F., CÉZAC P., MERCADIER J., 2009, "*2-Butyne-1,4-diol hydrogenation in supercritical CO₂: effect of hydrogen concentration*", Journal of Supercritical Fluids, sous presse, available online 23 January 2009. (PE)
- [ACL09-02]** EL OMARI K., LE GUER Y., 2008, "*A numerical study of thermal chaotic mixing in a two rod rotating mixer*", Computational Thermal Sciences, 1, 1-19. (ET)
- [ACL09-03]** BENKOUIDER A. M., NEAULE L., BUVAT J.-C., COSMAO J.-M., SABONI A., 2008, "*Fault detection in semi-batch reactor using the EKF and statistical method*", Journal of Loss Prevention in the Process Industries, article in press, available online 6 December 2008. (ET)
- [ACL09-04]** BATINA J., BATCHI* M., BLANCHER S., CREFF R., C. AMROUCHE, 2009, "*Convective heat transfer augmentation through vortex shading in sinusoidal constricted tube*", International Journal for Numerical Methods in Heat and Fluid Flow, sous presse, Paper No 1254. (EN)
- [ACL09-05]** PETITPAS F., SAUREL R., FRANQUET E., CHINNAYYA A., 2009, "*Modelling detonation waves in condensed energetic materials: multiphase CJ conditions and multidimensional computations*", Shock Waves, accepté. (ET)
- [ACL09-06]** CÉZAC P., CASTAING LASVIGNOTTES J., RENEAUME J.M., MAUNOURY A., 2009, "*Description of ice slurry composition and enthalpy calculation from gE models: application to water-ethanol systems*", Chemical Engineering Communication, 196 (6), 715-728. (PE) (EN)
- [ACL09-07]** BEDECARRATS J.P., STRUB F., 2009, "*Gas turbine performance increase using an air cooler with a phase change energy storage*", Applied Thermal Engineering, 29 (5-6), 1166-1172. (EN)
- [ACL09-08]** CASAJUS* C., ABREGO J., MARIAS F., VAXELAIRE J., SÁNCHEZ J.L., GONZALO A., 2009, "*Product distribution and kinetic scheme for the fixed bed thermal decomposition of sewage sludge*", Chemical Engineering Journal, 145 (1), 412-419. (PE)
- [ACL09-09]** BENTALEB Y*, SCHALL E., KOUSKSOU T., 2009, "*Numerical prediction of wall-bounded flows with low-Reynolds $k-\varepsilon$ turbulence models*", Progress in Computational Fluid Dynamics (PCFD), 9 (2), 96-108. (EN)
- [ACL09-10]** GRIMI N., LEOVKA N., VOROBIEV E., VAXELAIRE J., 2009, "*Compressing behaviour and texture evaluation for potatoes pretreated by pulsed electric field*", Journal of Texture Studies, 40, 208-223. (PE)
- [ACL09-11]** BEDECARRATS J.P., CASTAING LASVIGNOTTES J., STRUB F., DUMAS J.-P, 2009, "*Study of a phase change energy storage using spherical capsules. Part I: Experimental results*", Energy Conversion and Management, 50 (10), 2527-2536. (EN)
- [ACL09-12]** BEDECARRATS J.P., CASTAING LASVIGNOTTES J., STRUB F., DUMAS J.-P, 2009, "*Study of a phase change energy storage using spherical capsules. Part II: Numerical modelling*", Energy Conversion and Management, 50 (10), 2537-2546. (EN)
- [ACL09-13]** JAY S.*, CÉZAC P., SERIN J.P., CONTAMINE F., MARTIN C., MERCADIER J., 2009, "*Solubility of elemental sulphur in toluene between (267.15 and 313.15) K under atmospheric pressure*", Journal of Chemical and Engineering Data, 54 (12), 3238-3241.
- [ACL09-14]** GRIMI N., LEOVKA N., VOROBIEV E., VAXELAIRE J., 2009, "*Effect of a pulsed electric field treatment on expression and juice quality of Chardonnay grape*", Food Biophysics 4(3), 191-198. (PE)
- [ACL09-15]** RATTE J. *, MARIAS F., VAXELAIRE J., BERNADA P., 2009, "*Mathematical modelling of slow pyrolysis of a particle of treated wood waste*", Journal of Hazardous Materials 170(2-3), 1023-1040.
- [ACL09-16]** MARRE S., ERRIGUIBLE A., PERDOMO A., CANSELL F., MARIAS F., AYMONIER, C., 2009, "*Kinetically-controlled formation of supported nanoparticles in low temperature supercritical media for the development of advanced nanostructured materials*", The Journal of Physical Chemistry C. 113, 5096-5104 (PE)
- [ACL09-17]** FOURCAULT A.*, GARCIA JARANA A., Sanchez ONETO J., MARIAS F., PORTELA J.R., 2009, "*Supercritical oxidation of phenol with air. Experimental results and modelling*". Chemical Engineering Journal, (152), 227-233. (PE)



[ACL09-18] MARIAS F. BRUYERES B., 2009, "*Modelling of a biomass fired furnace for the production of lime*". Chemical Engineering Science, (64), 3417-3426, (PE)

[ACL09-19] HORT C., GRACY S., PLATEL V., MOYNAULT L. "Evaluation of sewage sludge and yard waste compost as a biofilter media for the removal of ammonia and volatile organic sulfur compounds" (VOSCs) (2009) /Chemical Engineering Journal/, 152 (1), pp. 44-53. Cited 10 times.

[ACL09-20] BEDECARRATS J.P., STRUB F., PEUVREL C.*, 2009, " Thermal and hydrodynamic considerations of ice slurry in heat exchangers ", Int. Journal of Refrigeration, 32, 1791-1800. (EN)