



2015

- [ACL-15-01]** SABONI A., ALEXANDRIVA S., KASHEVA M., 2015, "*Effects on interface contamination on mass transfer into a spherical bubble*". Journal of Chemical Technology and Metallurgy, 50, 1314-7471.
- [ACL-15-02]** MUSBAH I., CICERON D., GARCIA F., SABONI A., ALEXANDROVA S., 2015, "*Nanofiltration membranes for drinking water production-retention of nitrate ions*", Desalination and Water Treatment (in press).
- [ACL-15-03]** TORRE J-P., HAILLOT D., RIGAL S.*, DICHARRY C., BEDECARRATS J-P., 2015. "*1,3 Dioxolane versus tetrahydrofuran as promoters for CO₂-hydrate formation: Thermodynamics properties, and kinetics in presence of sodium dodecyl sulfate*", Source of the Document Chemical Engineering Science 126, pp. 688-697.
- [ACL-15-04]** TITTELEIN P., GIBOUT S., FRANQUET E., JOHANNES K., ZALEWSKI L., KUZNIK F., DUMAS J-P., LASSUE S., BEDECARRATS J-P., DAVID D., 2015, "*Simulation of the thermal and energy behaviour of a composite material containing encapsulated-PCM: Influence of the thermodynamical modelling*", Applied Energy 140, pp. 269-274.
- [ACL-15-05]** LACH A.*, ANDRE L., LASSIN A., SERIN J-P., CEZAC P., 2015, "*A new pitzer parameterization for the binary NaOH-H₂O and ternary NaOH-NaCl-H₂O and NaOH-LiOH-H₂O systems up to NaOH solid salt saturation, from 273.15 to 523.15 K and at saturated vapor pressure*", Journal of solution chemistry 44 (7), pp. 1424-1451.
- [ACL-15-06]** DARDOUR H., MAZOUZ S., RENEAUME J-M., CEZAC P., BOUROUIS M., BELLAGI A., 2015, "*Document feasibility limits and performance of an absorption cooling machine using light alkane mixtures*", Applied Thermal Engineering 78, pp. 24-29.
- [ACL-15-07]** GIRARD C., COUTURE F., RENEAUME J-M., CEZAC P., 2015, "*Modélisation par homogénéisation d'une colonne d'absorption réactive*", Canadian Journal of Chemical Engineering 93 (2), pp. 363-377.
- [ACL-15-08]** FRANQUET E., PERRIER V., GIBOUT S., BRUEL P., 2015, "*Free underexpanded jets in a quiescent medium: A review*", Progress in Aerospace Sciences 77, 414, pp. 25-53.
- [ACL-15-09]** LUENGAS MUNOZ A-T.*, BARONA A., HORT C., PLATEL V., ELIAS A., 2015, "*A review of indoor air treatment technologies*", Reviews in Environmental Science and Biotechnology 14 (3), pp. 499-522.
- [ACL-15-10]** MARIAS F., BENZAOUÏ A., VAXELAIRE J., GELIX F., NICOL F., 2015, "*Fate of Nitrogen during Fluidized Incineration of Sewage Sludge. Estimation of NO and N₂O Content in the Exhaust Gas*", Source of the Document Energy and Fuels 29 (7), pp. 4534-4548.
- [ACL-15-11]** MARIAS F., SANTACREU S-D., 2015, "*Modelling of pyrolysis in a high capacity thermo balance*", Canadian Journal of Chemical Engineering 93 (2), pp. 261-275.
- [ACL-15-12]** GAYOL A., MARTINI R-E., ANDREATTA A-E., LEGIDO J-L, CASAS L., "*Experimental and Nitta-Chao model prediction of high pressure density of p-xylene with dialkyl carbonates or n-alkanes*", In press.
- [ACL-15-13]** VIGNAU-LAULHERE J.*, PLAISANCE H., MOCHO P., BIGAY Y., DESAUZIER V., 2015, "*Performance of the Radiello diffusive sampler for formaldehyde measurement: the influence of exposure conditions and ozone interference*", Analytical Methods 7 (13), pp. 5497-5503.
- [ACL-15-14]** DESAUZIER V., BOURDIN D.*, MOCHO P., PLAISANCE H., 2015, "*Innovative tools and modelling methodology for impact prediction and assessment of the contribution of materials on indoor air quality*", Heritage Science 3 (1), 28.
- [ACL-15-15]** OLIVIER J., CONRARDY J-B, MAHMOUD A.*, VAXELAIRE J., 2015, "*Electro-dewatering of wastewater sludge: an investigation of the relationship between filtrate flow rate and electric current*", Water research 82, pp. 66-77.
- [ACL-15-16]** KALED A., DUTOUR S., PLATEL V., LLUC J., 2015, "*Experimental study of a capillary pumped loop for cooling power electronics: response to high amplitude heat load steps*", Applied Thermal Engineering 89, 6614, pp. 169-179.



[ACL-15-17] BOUBAKER R.*, PLATEL V., 2015, "*Vapor pocket behavior inside the porous wick of a capillary pumped loop for terrestrial application*", Applied Thermal Engineering 84, pp. 420-428.

[ACL-15-18] BOUBAKER R.*, PLATEL V., BERGES A., BANCELIN M. HANNEZO E., 2015, "*Dynamic model of heat and mass transfer in an unsaturated porous wick of capillary pumped loop*", Applied Thermal Engineering 76, pp. 1-8.

[ACL-15-19] BRODU N., SOCHARD S., ANDRIANTSIFERANA C., PIC J-S, MANERO M-H, 2015, "*Fixed-bed adsorption of toluene on high silica zeolites: Experiments and mathematical modelling using LDF approximation and a multisite model*", Environmental Technology (UK) 36 (14), pp. 1855-1863.

[ACL-15-20] MARIAS F., DEMARTHON R., BLOAS A., ROBERT-ARNOUIL J-P, NEBBAD F., 2015, "*Commissioning of a high temperature tar cracking reactor fed by plasma torch: experimental results.*", Waste and Biomass Valorisation (6), pp. 97-108.

[ACL-15-21] BOURNEUF S., JACOB M., ALBASI C., SOCHARD S., RICHARD R., MANERO M.H., 2015, "*Desorption experiments and modelling of micropollutants on activated carbon in water phase. Application to transient concentrations mitigation.*", International Journal of Environmental Science and Technonoly, 13 (1), 1-10.

[ACL-15-22] DESAUZIERS V., BOURDIN D., MOCHO P., PLAISANCE H., "*Innovative tools and modeling methodology for impact prediction and assessment of the contribution of materials on idoor air quality*", 2015, Heritage Science, 3 (1), art. n°28.

[ACL-15-23] VIGNAU-LAULHERE J., PLAISANCE H., MOCHO P., RAULIN K., BIGAY Y., DESAUZIERS V., "*Performance of the Radiello diffusive sampler for formaldehyde measurement: the influence of exposure conditions and ozone interference*", 2015, Analytical Methods, 7 (13), pp. 5497-5503.

[ACL-15-24] DUMAS J-P., comments on the article "Crystallization kinetics with nucleation phenomenon: Ice slurry system." by KOUSKSU T., JAMIL A., ARID A. JEGADHEESWARAN S., ZERAOULI Y., 2012, Int. J. Refrigeration, 35,7,1921-1930, Internation Journal of Refrigeration 53 (2015) 206-209.