

Prénom : FERRASSE

Nom : Jean-Henry

Liste de Publications 2009-2013 :

- [P21] M.ZENG, A. SORIC, J.H. FERRASSE, N. ROCHE, Study of hydrodynamic behavior in lab-scale trickling filters by retention time distribution, *Environmental Technology*, in press 2013
- [P20] S. LEFEVRE, J.H. FERRASSE, R. FAUCHERAND, A. VIAND, O. BOUTIN, *Energetic optimization of wet air oxidation process using experimental design coupled with process simulation*, *Energy*, 41(1), 175-183, 2011
- [P19] S. LEFEVRE, J.H. FERRASSE, O. BOUTIN, L. MALLERET, R. FAUCHERAND, A. VIAND, *Thermodynamic and kinetic study of phenol degradation by a non-catalytic wet air oxidation process*, *Chemosphere* 84, 1208-1215, 2011
- [P18] A.B. HERNANDEZ, J.H. FERRASSE, P. CHAURAND, H. SAVEYN, D. BORSCHNECK, N. ROCHE, *Mineralogy and Leachability of the Sewage Sludge Gasification Residue*, *J. of Hazardous Material* 191, 219-227,2011.
- [P17] H. SAVEYN, J.H. FERRASSE, A.B. HERNANDEZ, J. ROSE, P. VAN DER MEEREN, N. ROCHE, *The distribution of heavy metals following sewage sludge gasification*, *J. of Residuals Science & Technology* 8(2), 59-64, 2011.
- [P16] O. BOUTIN, A De NADAÏ, A. GARCIA PEREZ, J.H. FERRASSE, M. BELTRAN, E. BADENS, *Experimental and modelling of supercritical oil extraction from rapeseeds and sunflower seeds*, *Chemical Engineering Research and Design*, 89, 2477-2484, 2011.
- [P15] A. SORIC, J.H. FERRASSE, N. ROCHE, *Microcalorimetric qualitative analysis of biofilm development in porous media used in wastewater treatment by constructed wetland*, *J Therm Anal Calorim*, 104(1), 113-118, 2011.
- [P14] S. LEFEVRE, J.H. FERRASSE, O. BOUTIN, M. SERGENT, R. FAUCHERAND, A. VIAND, *Process optimisation using the combination of simulation and experimental design approach: application to wet air oxidation*, *Chemical Engineering Research and Design*, 89(7),1045-1055, 2011.
- [P13] J.H. FERRASSE, C. DUMAS, N. ROCHE, *Experimental Results and Model for N-Gas Compound Production in Pure Steam Gasification for Waste Water Sewage Sludge*, *Chem. Eng. Technol.*, 34(1), 103–110, 2011.
- [P12] S. LEGROS, P. CHAURAND, J. ROSE, A. Masion, V. BRIOIS, J.H. FERRASSE, H. SAINT MACARY, J.Y. BOTTERO, E. DOELSCH, *Investigation of Copper Speciation in Pig Slurry by a Multitechnique Approach*, *Environmental Science & Technology*, 44(18), 6926-6932, 2010.

[P11] Y. DUMONT, P. AUJOLLET, J.H. FERRASSE, *Use of a Heat Pump to Supply Energy to the Iodine-Sulphur Thermochemical Cycle for Hydrogen Production*, International Journal of Chemical Reactor Engineering 8, A106, 2010.

[P10] R. GHIDOSI, J-P BONNET, G. REBOLLAR-PEREZ, E. CARRETIER, J.H. FERRASSE, J. VICENTE, F. TOPIN, P. MOULIN, *Separation of particles from hot gases using metallic foams*, J. Materials Processing Technology, 209, 3859–3868, 2009.

Liste de Communications 2009-2013 :

[O16] M. ZENG, A. SORIC, J.H FERRASSE, N. ROCHE, Effect of porous media on hydrodynamic and organic matter degradation in a pilot scale biological aerated filter, GRUTTEE 2012, Aix en Provence

[O15] N. DOASSANS-CARRERE J-H. FERRASSE, G. MAUVIEL, J. LÉDÉ, O. BOUTIN, Biomass to oil: fast pyrolysis and subcritical hydrothermal liquéfaction, ISCRE 22, 2012, Maastrichts

[O14] N. DOASSANS-CARRERE, G. MAUVIEL, J-H. FERRASSE, J. LÉDÉ, O. BOUTIN, Biomass to oil: analytic and energetic comparison of fast pyrolysis and direct liquéfaction, WASTENG 2012 4th International Conference on Engineering for Waste and Biomass Valorisation, 2012, Porto

[O12] A.B. Hernandez, J.H. FERRASSE, N. ROCHE, Nitrogen and sulfur release during sewage sludge gasification, ECSM 2012, European Conference on Sludge Management, 2012, Leon, SPAIN

[O13] M. ZENG, A SORIC, N. ROCHE, J-H. FERRASSE' Calorimetric and EGA measurement of wastewater treatment by static biofilms, ISBC XVII, Leipzig

[O11] N. DOASSANS-CARRERE, J-H. FERRASSE, G. MAUVIEL, J. LÉDÉ, O. BOUTIN, Biomass to oil : fast pyrolysis and direct liquéfaction, AIChE Spring Meeting 2012

[O10] O. BOUTIN, A. VIAND, J.H. FERRASSE, S. LEFEVRE, R. FAUCHERAND, *Simulation numérique et optimisation d'un procédé d'Oxydation en Voie Humide*, SFGP 13, nov. 2011, Lille

[O9] F. ONDZE, J.-C. RUIZ, F. CHARTON, O. BOUTIN, J-H. FERRASSE, *Supercritical Water Gasification of Glucose and Beet Residues*, 19th European Biomass Conference & Exhibition, Juin 2011, Berlin

[O8] S. LEFEVRE, J.H. FERRASSE, R. FAUCHERAND, A. VIAND, O. BOUTIN, Energetic optimization of Wet Air Oxidation: preliminary studies on liquid vapour equilibriums and degradation kinetics, ECCE 7, Aout 2010, Praha.

[O7] A. SORIC, J.H. FERRASSE, N. ROCHE, *Determination of biofilm activity in constructed wetlands by calorimetric analyses*, IWA-MWT 2011 , Janvier 2011, Goa.

[O6] S. LEFEVRE, J.H. FERRASSE, R. FAUCHERAND, A. VIAND, O. BOUTIN, *Energetic optimization of Wet Air Oxidation coupling process simulation and experimental design*, ECOS 2010, Lausanne.

[O5] S. LEFEVRE, J.H. FERRASSE, R. FAUCHERAND, A. VIAND, O. Boutin, *Energetic optimization of Wet Air Oxidation process based on the preliminary study on liquid-vapor equilibriums*, 12th EUROPEAN MEETING ON SUPERCRITICAL FLUIDS, 9-12 Mai 2010, Graz .

[O4] H. SAVEYN, J.H. FERRASSE , A.B. HERNANDEZ, J. ROSE, P. VAN DER MEEREN, N. ROCHE, *The distribution of heavy metals following sewage sludge gasification*, ECSM 2010 - European Conference on Sludge Management, Septembre 2010, Budapest.

[O3] A.B. HERNANDEZ, J.H. FERRASSE, H. SAVEYN, P. CHAURAND, D. BORSCHNECK, N. ROCHE, *Mineralogy and leachability of sewage sludge residue following gasification*, ECSM 2010 - European Conference on Sludge Management, Septembre 2010, Budapest.

Liste d'ouvrages 2009-2013 :

[CH2] *Procédés d'oxydation en voie humide*, O. BOUTIN, J.H. FERRASSE, in CHIMIE VERTE, [CHV 6 030], Paris: Technique de l'ingénieur, 1-19, 2011

[CH1] *Efficient sludge thermal processing : from drying to thermal valorisation*, A. LEONARD, M. CRINE, P. ARLABOSSE, J.H. FERRASSE, D. LECOMTE, Modern Drying Technology, Vol 4. Energy savings, E. TSOTSAS, A.S. MUJUMDAR (ed.), Wiley-VCH.