

PUBLICATIONS

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- 1. Py X., Calvet N., Olives R., Meffre A., Echehut P., Bessada C., Veron E. and Ory S. Recycled Material for Sensible Heat based Thermal Energy Storage to be used in Concentrated Solar Thermal Power Plants, *Journal of Solar Energy Engineering*, 133 (2011) 1-8.
- 2. A. Faik, S. Guillot, J. Lambert, E. Veron, S. Ory, C. Bessada, P. Echehut, X. Py. Thermal storage material from inertized wastes: evolution of structural and radiative properties with temperature. *Solar Energy*, 86 (2012) 139-146.
- 3. S. Guillot, A. Faik, A. Rakmatullin, J. Lambert, E. Veron, X. Py, P. Echehut, C. Bessada. Corrosion of material resulting of vitrification of asbestos containing-waste by molten salts – a possible application in solar plants. *Applied Energy*, 94 (2012) 174-181.
- 4. M.E. Navarro, M. Martinez, A. Gil, A.I. Fernandez, L.F. Cabeza, R. Olives, X. Py, Selection and characterization of recycled materials for sensible thermal energy storage. *Solar Energy Materials & Solar Cells*, 107 (2012) 131-135.
- 5. N. Calvet, J. Gomez, A. Faik, V.V. Roddatis, A. Meffre, G.G. Glatzmaier, S. Doppiu, X. Py, Compatibility of a post-industrial ceramic with nitrate molten salts, for use as filler materials in a thermocline storage system. *Applied Energy*, 109 (2013) 387-393.
- 6. A. Meffre, X. Py, R. Olives, C. Bessada, E. Veron, P. Echehut, High Temperature Sensible Heat Base Thermal Energy Storage Materials Made of Vitrified MSWI Fly Ashes, *International Journal Waste and Biomass Valorization*, 6 (2015) 1003-1014.
- 7. A. Meffre, N. Tessier-Doyen, X. Py, M. Huger, N. Calvet. Thermomechanical characterization of waste based TESM and assessment of their resistance to thermal cycling up to 1000 °C. *Waste and Biomass Valorization*, 7 (2016) 9-21.
- 8. A. Gutierrez, L. Miró, A. Gil, J. Rodríguez-Aseguinolaza, C. Barreneche, N. Calvet, X. Py, A. I. Fernández, M. Grágeda, S. Ushak, L. F. Cabeza, Advances in the valorization of waste and by-product materials as thermal energy storage (TES) materials. *Renewable & Sustainable Energy Reviews*, 59 (2016) 763-783.
- 9. Lalau Y., Py X., Meffre A., Olives R. Comparative LCA between current and alternative waste-based TES for CSP. *Waste and Biomass Valorization* 7 (2016) 1509-1519. DOI 10.1007/s12649-016-9549-6.

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