Publication list
Cormos Calin-Cristian

1. Books

2. Articles


12. S. Fogarasi, C.C. Cormos, *Clean Power Generation Based on Coal and Sawdust cofiring with Carbon Capture and Storage (CCS)*, 19th Romanian International Conference on Chemistry and Chemical Engineering, Sibiu, Romania, 2 - 5 September 2015


31. C.C. Cormos, *Techno-economic and environmental analysis of hydrogen and power co-generation based on co-gasification of coal and biomass/solid wastes with carbon capture*, Chemical Engineering Transactions, 37, 2014, 139-144


43. C.C. Cormos, L. Petrescu, *Evaluation of calcium looping as carbon capture option for combustion and gasification power plants*, 7th Trondheim CCS Conference, TCCS-7, June 5-6 2013, Trondheim, Norway (published in Energy Procedia)


45. C.C. Cormos, C. Dinca, *Assessment of mass and energy integration aspects for IGCC power plants with carbon capture and storage (CCS)*, Studia Universitatis Chemia, LVIII, 1, 2013, 117-131


4-th International Conference on Clean Coal Technologies – CCT2009 & 3rd International Freiberg Conference on IGCC & XtL Technologies, Dresden, Germany, 2009


84. C.C. Cormos, *Hydrogen and electricity co-production based on gasification process with Carbon Capture and Storage (CCS)*, Enlargement and Integration Workshop: “Clean and efficient power generation from coal”, European Commission, Gliwice, Poland, 24-25 September 2009


3. Patents

4. Research projects in energy field


4. **Technical-economic and environmental optimization of CCS technologies integration in power plants based on solid fossil fuel and renewable energy sources (biomass)**, Parthnership research project, 2012 - 2016

5. **Hydrogen production from hydroxylic compounds resulted as biomass processing wastes**, Parthnership research project, 2012 - 2016


7. **Innovative methods for chemical looping carbon dioxide capture applied to energy conversion processes for decarbonised energy vectors poly-generation**, IDEAS – Exploratory research, National research project 2011 – 2015

8. **Innovative systems for poly-generation of energy vectors with carbon dioxide capture and storage based on co-gasification processes of coal and renewable energy sources (biomass) or solid waste**, CNCSIS IDEAS – Exploratory research, National research project 2009 – 2011


12. *Improvement of techno-economical performances of limestone calcination process in vertical kilns by mathematical modeling and simulation*, CNCSIS AT, National research project 2005 - 2006

13. *Improvement of techno-economical and environmental performances of chemical processes by mathematical modeling and simulation*, CNCSIS AT, National research project 2006