

Publications:

Solid solutions of Ni and Co molybdates in silica-dispersed and bulk catalysts prepared by sol-gel and citrate methods

A. Maione and M. Devillers, J. Solid State Chem., 177 (2004), 2339-2349.

Rationalization of the role played by bismuth and lanthanides in modified Ni-Co molybdates as catalysts for partial and total oxidation of propane

A. Maione, P. Ruiz, M. Devillers, Catal. Today, 91-92 (2004), 121-125.

Communications at International Meetings:

Bulk and supported solid solutions of Ni-Co molybdates on various inorganic supports: comparison between sol-gel and impregnated catalysts and their catalytic activity in propane oxydehydrogenation.

A. Maione, P. Ruiz, M. Devillers (oral communication) Abstracts of the 228th American Chemical Society National Meeting (Philadelphia, USA, august 2004), Division of Colloid and Surface Chemistry, session on "Catalysis by Metal Oxides", COLL-277.

Rationalization of the role played by bismuth and lanthanides in modified Ni-Co molybdates as catalysts for partial and total oxidation of propane.

A. Maione, P. Ruiz, M. Devillers (poster) Presented at the 7th European Workshop Meeting on Selective Oxidation (Innsbruck, Austria, August 2003)

Oxidative dehydrogenation of propane on sol-gel prepared mixed Ni-Co molybdates supported on silica, alumina and magnesia.

A. Maione, P. Ruiz, M. Devillers (poster) Presented at EuropaCAT-VI (Innsbruck, Austria, August 2003)

Silica- and alumina- supported sol-gel Ni-Co and Ni-Co-Ln molybdate catalysts: preparation and catalytic activity in propane oxidative dehydrogenation.

A. Maione, P. Ruiz, M. Devillers (Oral communication), Abstracts of the 18th North American Society of Catalysis Meeting (Cancun, Mexico, June 2003), vol. I, p 284

Preparation of alumina-supported molybdate catalysts based on Ni, Co and lanthanides by a sol-gel route via aluminium alkoxides.

A. Maione, P. Ruiz, M. Devillers (poster), Presented at the 8th International Symposium on the Scientific Bases for the Preparation of Heterogeneous Catalysts (Louvain-la-Neuve, Belgium, September 2002) Poster n° 37

Sol-gel routes to silica-supported cobalt and nickel molybdates promoted by bismuth or lanthanides.

A. Maione, P. Ruiz, M. Devillers (poster), Extended abstracts of the 4th World Congress on Oxidation Catalysis (Berlin, Germany, September 2001), vol. I, pp 61-64