

1) PhD thesis

1.1. “*Relationship between structure and activity of vanadium aluminium oxynitrides in propane ammoxidation*”- awarded with “*La plus grande distinction*” – *Octombrie 2013, Universite Catlique de Louvain la Neuve, Belgia*

2) Chapters

2.1. **M. Florea**, V.I. Parvulescu, *Selective Oxidation of Biomass Constitutive Polymers to Valuable Platform Molecules and Chemicals*, in Chemicals and Fuels from Bio-Based Building Blocks, First Edition, F. Cavani, S. Albonetti, F. Basile, A.A. Gandini, Wiley-VCH Verlag GmbH & Co. KGaA., 2016, **chapter 15**, 379-402; ISBN: 978-3-527-33897-9

3) ISI articles

3.1. S. Coman, **M. Florea**, F. Cocu, V.I. Parvulescu, P. A. Jacobs, C. Danumah and S. Kaliaguin, *Chemical Communications*, (1999) 2175-2176, DOI: 10.1039/A907119I; “Low metal loading Ru-MCM-41 stereocontrolled hydrogenation of prostaglandin intermediates”

3.2. **M. Florea**, M. Sevinci, V.I. Parvulescu, G. Lemay and S. Kaliaguine, *Microporous and Mesoporous Materials* 44-45 (2001) 483-488; DOI:10.1016/S1387-1811(01)00224-4; “Ru-MCM-41 catalysts for diastereoselective hydrogenation”

3.3. **M. Florea**, R. Prada Silvy, P. Grange, *Catal. Lett.*, 87 (2003) 63-66, DOI: 10.1023/A:1022857211248; “New Class of Catalysts for the Propane Ammoxidation Process Based Vanadium Aluminum Oxynitrides”

3.4. R. Prada Silvy, **M. Florea**, N. Blangenois, P. Grange, *AICHE*, 49 (8) (2003) 2228-2231, DOI: 10.1002/aic.690490830; “Propane ammoxidation catalysts based on vanadium-aluminum oxynitrides”

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Grange, J. Catal. 232 (1) (2005) 152-160, DOI: 10.1016/j.jcat.2005.02.020; “Evidences of the participation of the nitrogen species from vanadium aluminium oxynitrides in propane ammoxidation”

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3.11 M. Alifanti, **M. Florea**, V. Cortes-Corberan, U. Endruschat, B. Delmon, V. I. Pârvulescu Catal. Today 112 (2006) 169–173, DOI: 10.1016/j.cattod.2005.11.017; “Effect of LaCoO₃ perovskite deposition on ceria based supports on total oxidation of VOC”

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