

## PUBLICATIONS BY GIANLUCA LANDI (LAST UPDATE: JUNE 2014)

### PUBLICATIONS (ISI JOURNALS):

1. Gianluca Landi, Almerinda Di Benedetto, Paola S. Barbato, Gennaro Russo, Valeria Di Sarli, *Transient behavior of structured LaMnO<sub>3</sub> catalyst during methane combustion at high pressure*, Chemical Engineering Science 116 (2014) 350–358 DOI: 10.1016/j.ces.2014.04.029
2. A. Di Benedetto, P.S. Barbato, G. Landi, *Effect of CO<sub>2</sub> on the Methane Combustion over a Perovskite Catalyst at High Pressure*, Energy & Fuels (2013) DOI: 10.1021/ef401818z
3. Gianluca Landi, Luciana Lisi, Raffaele Pirone, Miriam Tortorelli, Gennaro Russo, *NO decomposition over La-doped Cu-ZSM5 monolith under adsorption-reaction conditions*, Applied Catalysis A: General 464-465 (2013) 61-67 DOI: 10.1016/j.apcata.2013.05.019
4. A. Di Benedetto, G. Landi, L. Lisi, G. Russo, *Role of CO<sub>2</sub> on CO preferential oxidation over CuO/CeO<sub>2</sub> catalyst*, Applied Catalysis B, Environmental 142-143 (2013) 169-177 DOI: 10.1016/j.apcatb.2013.05.001
5. Paola S. Barbato, Almerinda Di Benedetto, Valeria Di Sarli, Gianluca Landi, *Ignition and Quenching Behaviour of High Pressure CH<sub>4</sub> Catalytic Combustion over a LaMnO<sub>3</sub> Honeycomb*, Chemical Engineering Transactions 32 (2013)
6. Gianluca Landi, Paola Sabrina Barbato, Almerinda Di Benedetto, Raffaele Pirone, Gennaro Russo, *High pressure kinetics of CH<sub>4</sub>, CO and H<sub>2</sub> combustion over LaMnO<sub>3</sub> catalyst*, Applied Catalysis B: Environmental 134-135 (2013) 110-122 DOI: 10.1016/j.apcatb.2012.12.040
7. P.S. Barbato, G. Landi, G. Russo, *Catalytic combustion of CH<sub>4</sub>-H<sub>2</sub>-CO mixtures at pressure up to 10 bar*, Fuel Processing Technology 107 (2013) 147-154 DOI: 10.1016/j.fuproc.2012.08.024
8. A. Di Benedetto, G. Landi, V. Di Sarli, P.S. Barbato, R. Pirone, G. Russo, *Methane catalytic combustion under pressure*, Catalysis Today 197 (1) (2012) 206-213 DOI: 10.1016/j.cattod.2012.08.032
9. P.S. Barbato, G. Landi, *New concepts for power production by catalytic combustion: a short review*, Current Topics in Catalysis 10 (2012) 75-92
10. Paola S. Barbato, Almerinda Di Benedetto, Valeria Di Sarli, Gianluca Landi, and Raffaele Pirone, *High-Pressure Methane Combustion over a Perovskite Catalyst*, Industrial & Engineering Chemistry Research 51 (22) (2012) 7547-7558 DOI: 10.1021/ie201736p
11. G. Landi, L. Lisi, R. Pirone, G. Russo, M. Tortorelli, *Effect of water on NO adsorption over Cu-ZSM-5 based catalysts*, Catalysis Today 191 (1) (2012) 138-141 DOI: 10.1016/j.cattod.2012.01.018

12. M. P. Casaletto, G. Landi, L. Lisi, P. Patrono, F. Pinzari, *Effect of the support on the catalytic properties of vanadyl phosphate in the oxidative dehydrogenation of propane*, Journal of Molecular Catalysis A: Chemical 329 (2010) 50 DOI : 10.1016/j.molcata.2010.06.017
13. P.S. Barbato, G. Landi, *Partial oxidation and CO<sub>2</sub>-ATR of methane over Rh/LaMnO<sub>3</sub> honeycomb catalysts*, Catalysis Letters 137 (1-2) (2010) 16 DOI : 10.1007/s10562-010-0327-y
14. G. Landi, P.S. Barbato, S. Cimino, L. Lisi and G. Russo, *Fuel-rich methane combustion over Rh-LaMnO<sub>3</sub> honeycomb catalysts*, Catalysis Today 155(2010) 27 DOI: 10.1016/j.cattod.2009.01.020
15. P.S. Barbato, G. Landi, R. Pirone, G. Russo and A. Scarpa, *Auto-thermal combustion of CH<sub>4</sub> and CH<sub>4</sub>-H<sub>2</sub> mixtures over bi-functional Pt-LaMnO<sub>3</sub> catalytic honeycomb*, Catalysis Today 147 (Supplement 1) (2009) S271 DOI: 10.1016/j.cattod.2009.07.018
16. Andrea Scarpa, Paola Sabrina Barbato, Gianluca Landi, Raffaele Pirone and Gennaro Russo, *Combustion of methane-hydrogen mixtures on catalytic tablets*, Chemical Engineering Journal 154 (1-3) (2009) 315 DOI: 10.1016/j.cej.2009.05.013
17. A. Teixeira-Neto, L. Marchese, G. Landi, L. Lisi, H. O. Pastore, *[V,Al]-MCM-22 Catalyst in the Oxidative Dehydrogenation of Propane*, Catalysis Today 133-135 (2008) 1
18. S. Cimino, G. Landi, L. Lisi, G. Russo, *Rich Catalytic Combustion of Methane over Structured Rh/LaMO<sub>3</sub> Catalysts*, Catalysis Today 117 (2006) 454
19. G. Landi, L. Lisi, G. Russo, *Oxidation of propane and propylene to acrylic acid over vanadyl pyrophosphate*, Journal of Molecular Catalysis A: Chemical 239 (2005) 172
20. S. Cimino, G. Landi, L. Lisi, G. Russo, *Development of a dual functional structured catalyst for partial oxidation of methane to syngas*, Catalysis Today 105 (2005) 718
21. G. Landi, L.Lisi, J.-C. Volta, *Oxidation of propane to acrylic acid over vanadyl pyrophosphate: modifications of the structural and acid properties during the precursor activation and their relationship with catalytic performances*, Journal of Molecular Catalysis A: Chemical 222 (2004) 175
22. G. Landi, L.Lisi, J.-C. Volta, *Role of water in the partial oxidation of propane to acrylic acid*, Catalysis Today 91-92 C (2004) 275
23. G. Landi, L.Lisi, J.-C. Volta, *Effect of water on the catalytic behaviour of VPO in the selective oxidation of propane to acrylic acid*, Chemical Communications 2003 (4) 492

#### **OTHER PUBLICATIONS (NOT ISI JOURNALS)**

- S. Cimino, G. Landi, L. Lisi, G. Russo, *Bi-functional Rh-LaMO<sub>3</sub> (M= Co, Mn) structured catalysts for partial oxidation of methane to syngas*, Chemical Engineering Transactions 8 (2005) 55

## PARTICIPATION TO INTERNATIONAL CONFERENCES, MEETINGS AND SYMPOSIUMS

1. Francesco Amoroso, Paola S. Barbato, Sara Colussi, Gianluca Landi, Luciana Lisi, *Effect of water and/or carbon dioxide addition on copper ceria catalysts*, XIth European Congress on Catalysis, Lyon (France) September 1<sup>st</sup> -6<sup>th</sup> 2013.
2. Almerinda Di Benedetto, Gianluca Landi, Luciana Lisi, *Identification of the role of CO<sub>2</sub> in the inhibition of CO-PROX reaction over CuO/CeO<sub>2</sub> catalysts*, XIth European Congress on Catalysis, Lyon (France) September 1<sup>st</sup> -6<sup>th</sup> 2013.
3. Miriam Tortorelli, Gianluca Landi, Luciana Lisi, Gennaro Russo, *The effect of water on NO adsorption over Cu-ZSM-5*, XIth European Congress on Catalysis, Lyon (France) September 1<sup>st</sup> - 6<sup>th</sup> 2013.
4. Gianluca Landi, Almerinda Di Benedetto, Paola Sabrina Barbato, Valeria Di Sarli, Gennaro Russo, *Time response of methane catalytic combustion over LaMnO<sub>3</sub> honeycomb at high pressure*, XIth European Congress on Catalysis, Lyon (France) September 1<sup>st</sup> -6<sup>th</sup> 2013.
5. G. Landi, L. Lisi, R. Pirone, M. Tortorelli, G. Russo, *Study of NO decomposition over Cu-ZSM5 honeycomb under unsteady-state adsorption/reaction conditions*, 5th International Symposium Advanced Micro- and Mesoporous Materials, Golden Sands (Bulgaria) September 6<sup>th</sup> – 9<sup>th</sup> 2013.
6. Paola S. Barbato, Almerinda Di Benedetto, Valeria Di Sarli, Gianluca Landi, *Ignition and Quenching Behaviour of High Pressure CH<sub>4</sub> Catalytic Combustion over a LaMnO<sub>3</sub> Honeycomb*, 11<sup>th</sup> International Conference on Chemical & Process Engineering, Milan (Italy) June 2<sup>nd</sup> -5<sup>th</sup> 2013
7. G. Landi, A. Di Benedetto, P.S. Barbato, V. Di Sarli, G. Russo, *Transient behaviour of structured LaMnO<sub>3</sub> catalyst during methane combustion at high pressure*, 10<sup>th</sup> Natural Gas Conversion Symposium, Doha (Qatar) March 2<sup>nd</sup> -7<sup>th</sup> 2013
8. Luciana Lisi, Gianluca Landi, Raffaele Pirone, Gennaro Russo, Miriam Tortorelli, *Novel process of NO<sub>x</sub> abatement via periodic storage-decomposition route*, 22<sup>nd</sup> International Symposium on Chemical Reaction Engineering (ISCRE 22), Maastricht (Netherlands) September 2<sup>nd</sup>-5<sup>th</sup> 2012.
9. P. S. Barbato, A. Di Benedetto, V. Di Sarli, G. Landi, G. Russo, *High pressure catalytic combustion: CH<sub>4</sub> partial substitution with H<sub>2</sub>-CO mixtures over LaMnO<sub>3</sub> catalysts*, 22<sup>nd</sup> International Symposium on Chemical Reaction Engineering (ISCRE 22), Maastricht (Netherlands) September 2<sup>nd</sup>-5<sup>th</sup> 2012.
10. A. Di Benedetto, P.S. Barbato, V. Di Sarli, G. Landi, G. Russo, *High-pressure catalytic combustion of methane/air mixtures*, 22<sup>nd</sup> International Symposium on Chemical Reaction Engineering (ISCRE 22), Maastricht (Netherlands) September 2<sup>nd</sup>-5<sup>th</sup> 2012

11. G. Landi, L. Lisi, R. Pirone, G. Russo, Highly stable performance of CuO/CeO<sub>2</sub> catalyst in the CO-PROX reaction, 22<sup>nd</sup> International Symposium on Chemical Reaction Engineering (ISCRE 22), Maastricht (Netherlands) September 2<sup>nd</sup>-5<sup>th</sup> 2012
12. P. S. Barbato, G. Landi, R. Pirone, G. Russo, Kinetic study of CH<sub>4</sub>-H<sub>2</sub> mixtures combustion over catalytic tablets at variable pressure, 22<sup>nd</sup> International Symposium on Chemical Reaction Engineering (ISCRE 22), Maastricht (Netherlands) September 2<sup>nd</sup>-5<sup>th</sup> 2012
13. P.S. Barbato, G. Landi, G. Russo, *Catalytic combustion of CH<sub>4</sub>-H<sub>2</sub>-CO mixtures at pressure up to 10 bar*, 11<sup>th</sup> International Conference on Combustion and Energy Utilization, Coimbra (Portugal) May 9<sup>th</sup> -13<sup>th</sup> 2012
14. A. Di Benedetto, P.S. Barbato, V. Di Sarli, G. Landi, G. Russo, *CH<sub>4</sub> catalytic combustion under pressure*, 11<sup>th</sup> International Conference on Combustion and Energy Utilization, Coimbra ((Portugal) May 9<sup>th</sup> -13<sup>th</sup> 2012
15. P.S. Barbato, G. Landi, R. Pirone, G. Russo, *Kinetic study of CH<sub>4</sub>-H<sub>2</sub> mixtures at variable pressure over LaMnO<sub>3</sub>/La-γAl<sub>2</sub>O<sub>3</sub>*, 11<sup>th</sup> International Conference on Combustion and Energy Utilization, Coimbra (Portogallo) (Portugal) May 9<sup>th</sup> -13<sup>th</sup> 2012
16. G. Landi, L. Lisi, R. Pirone, G. Russo, M. Tortorelli, *Effect of water on NO adsorption over Cu-ZSM-5 based catalysts*, NOEA 2011 International Symposium On Nitrogen Oxides' Emission Abatement, Zakopane (Poland) September 4<sup>th</sup> -7<sup>th</sup> 2011
17. G. Landi, L. Lisi, R. Pirone, G. Russo, V. Stanzone, *Surface and Intermediates transformations during the adsorption of nitrogen oxides on Cu-ZSM-5*, 22<sup>nd</sup> North American Catalysis Society Meeting, Detroit (USA) June 5<sup>th</sup>-10<sup>th</sup> 2011
18. P. S. Barbato, G. Landi, R. Pirone, G. Russo, *High-pressure catalytic combustion of CH<sub>4</sub>, H<sub>2</sub>, CO and their mixtures for gas turbine applications*, 22<sup>nd</sup> North American Catalysis Society Meeting, Detroit (USA) June 5<sup>th</sup>-10<sup>th</sup> 2011
19. M. P. Casaletto, G. Landi, L. Lisi, P. Patrono, F. Pinzari, *Vanadyl phosphate based catalysts for the oxidative dehydrogenation of propane: effect of the support on the catalytic properties*, 7<sup>th</sup> International Symposium on Group Five Elements, Riccione (Italy) May 8<sup>th</sup> -11<sup>th</sup> 2011
20. G. Landi, *Novel concept for power production by catalytic combustion*, The first International Congress on Environment and Materials (CIEM 2010) – Algeri October 5<sup>th</sup> -7<sup>th</sup> 2010, invited presentation
21. P.S. Barbato, G. Landi, R. Pirone, G. Russo, *Kinetic study of the catalytic combustion of CH<sub>4</sub> and CH<sub>4</sub>-H<sub>2</sub> mixtures at variable pressure*, 9<sup>th</sup> Novel Gas Conversion Symposium (NGCS9), Lyon (France) May 30<sup>th</sup> – June 3<sup>rd</sup> 2010

22. P.S. Barbato, G. Landi, R. Pirone, G. Russo and A. Scarpa, *Auto-thermal combustion of CH<sub>4</sub> and CH<sub>4</sub>-H<sub>2</sub> mixtures over bi-functional Pt-LaMnO<sub>3</sub> catalytic honeycomb*, 3<sup>rd</sup> International Conference on Structured Catalysts and Reactors (ICOSCAR-3), Ischia (Italy) September 27<sup>th</sup> - 30<sup>th</sup> 2009
23. G. Landi, P.S. Barbato, S. Cimino, L. Lisi, G. Russo, *Fuel-rich methane combustion over Rh-LaMnO<sub>3</sub> structured catalysts*, 7<sup>th</sup> International Workshop on Catalytic Combustion and «Future Concepts in Energy Related Catalysis» 2008, Lake Zurich/Pfäffikon SZ (Swiss) September 29<sup>th</sup> – October 1<sup>st</sup> 2008
24. R. Pirone, G. Landi, A. Scarpa, G. Russo, *H<sub>2</sub>-Assisted Combustion of Methane in Catalytic Micro-Reactors*, 7<sup>th</sup> International Workshop on Catalytic Combustion and «Future Concepts in Energy Related Catalysis» 2008, Lake Zurich/Pfäffikon SZ (Swiss) September 29<sup>th</sup> – October 1<sup>st</sup> 2008
25. A. Scarpa, G. Landi, R. Pirone, G. Russo, *Methane micro-combustion on LaMnO<sub>3</sub>/Al<sub>2</sub>O<sub>3</sub> based catalysts*, XVIII International Conference on Chemical Reactors CHEMREACTOR-18, Malta September 29<sup>th</sup> – October 3<sup>rd</sup> 2008
26. S. Cimino, G. Landi, L. Lisi, G. Russo, *Bi-functional Rh-LaMO<sub>3</sub> (M= Co, Mn) structured catalysts for partial oxidation of methane to syngas*, 2nd International Conference on H<sub>2</sub>-age: When, Where, Why (H<sub>2</sub>www@Sicily), Palermo (ITALY) October 16<sup>th</sup> – 19<sup>th</sup>, 2005
27. S. Cimino, G. Landi, L. Lisi, G. Russo, *Development of a dual functional structured catalyst for partial oxidation of methane to syngas*, 2nd International Conference on Structured Catalysts and Reactors (ICOSCAR-2), Delft (Nederland) October 16<sup>th</sup> – 19<sup>th</sup>, 2005
28. S. Cimino, G. Landi, L. Lisi, G. Russo, *Rich Catalytic Combustion of Methane over Structured Rh/LaMO<sub>3</sub> Catalysts*, 6th International Workshop on Catalytic Combustion (IWCC6), Ischia (Italy) September 11<sup>th</sup> – 14<sup>th</sup>, 2005
29. S. Cimino, G. Landi, L. Lisi, G. Russo, *Dual functional structured catalyst for conversion of methane to syngas*, 7th European Congress on Catalysis (EUROPACAT VII), Sofia (Bulgaria) August 28<sup>th</sup> – September 1<sup>st</sup>, 2005
30. G. Landi, L. Lisi, G. Russo, *Role of surface acidity of VPO in propane mild oxidation*, 7th European Congress on Catalysis (EUROPACAT VII), Sofia (Bulgaria) August 28<sup>th</sup> – September 1<sup>st</sup>, 2005
31. G. Landi, L.Lisi, J.-C. Volta, *Effect of activation time on catalytic performances of VPO catalysts in propane mild oxidation to acrylic acid*, 13<sup>th</sup> International Congress on Catalysis, Paris (France) July 11<sup>th</sup> – 16<sup>th</sup>, 2004

32. G. Landi, L.Lisi, J.-C. Volta, *Role of water in the partial oxidation of propane to acrylic acid*, 7<sup>th</sup> European Workshop Meeting on Selective Oxidation: “Innovative Selective Oxidations: Nanoscale and Dynamics Aspects (ISO 2003)” EUROPACAT VI, Innsbruck (Austria), August 31<sup>st</sup> – September 4<sup>th</sup>, 2003
33. B. Palella, P. Ciambelli, G. Landi, R. Pirone and G. Russo, *NO adsorption on CuZSM-5: dynamics of the formation of intermediate species in De-NO<sub>x</sub> reactions*, International Catalysis Workshop for Young Scientists – 2001 (ICWYS-2001), Beijing (China) September 23<sup>rd</sup> – 27<sup>th</sup>, 2001

#### **PARTICIPATION TO NATIONAL CONFERENCES, MEETINGS AND SYMPOSIUMS**

1. R. Pirone, G. Landi, L. Lisi, G. Russo, M. Tortorelli, *Complete decomposition of NO over La/Cu-ZSM-5 monolithic reactor under periodic adsorption/reaction cycle*, XVII National Congress of Catalysis GIC 2013 and XI National Congress of Zeolites Science and Technology, Riccione September 15<sup>th</sup> - 18<sup>th</sup> 2013
2. P.S. Barbato, A. Di Benedetto, V. Di Sarli, M.F. Gaele, G. Landi, *Transient behavior of a perovskite-based monolith during CH<sub>4</sub> combustion in presence of CO<sub>2</sub>*, XXXVI Meeting of the Italian Section of the Combustion Institute, Procida June 13<sup>th</sup> -15<sup>th</sup> 2013
3. A. Di Benedetto, G. Landi, L. Lisi, *Inhibiting effect of CO<sub>2</sub> on the CO-PROX activity of CuO/CeO<sub>2</sub> catalysts*, XXXVI Meeting of the Italian Section of the Combustion Institute, Procida June 13<sup>th</sup> -15<sup>th</sup> 2013
4. P.S. Barbato, G. Landi, G. Russo, *Effect of CH<sub>4</sub> addition on the catalytic combustion of syngas at high pressure*, XXXVI Meeting of the Italian Section of the Combustion Institute, Procida June 13<sup>th</sup> -15<sup>th</sup> 2013
5. G. Landi, L. Lisi, M. Tortorelli, R. Pirone, *Competition of NO and H<sub>2</sub>O during adsorption over Cu-ZSM5 de-NO<sub>x</sub> catalyst*, XXXVI Meeting of the Italian Section of the Combustion Institute, Procida June 13<sup>th</sup> -15<sup>th</sup> 2013
6. A. Di Benedetto, G. Landi, V. Di Sarli, P.S. Barbato, G. Russo, *A novel hybrid configuration for CH<sub>4</sub> combustion in a perovskite-based monolith*, XXXV Meeting of the Italian Section of the Combustion Institute, Milan October 10<sup>th</sup> -12<sup>th</sup> 2012
7. P.S. Barbato, A. Di Benedetto, V. Di Sarli, G. Landi, G. Russo, *Ignition and quenching behavior of a perovskite-based catalytic monolith during CH<sub>4</sub> combustion*, XXXV Meeting of the Italian Section of the Combustion Institute, Milan October 10<sup>th</sup> -12<sup>th</sup> 2012

8. G. Landi, L. Lisi, R. Pirone, G. Russo, M. Tortorelli, *Preliminary studies for the development of a periodic storage-decomposition process for NO<sub>x</sub> abatement*, XXXV Meeting of the Italian Section of the Combustion Institute, Milan October 10<sup>th</sup> -12<sup>th</sup> 2012
9. G. Landi, L. Lisi, A. Di Benedetto, R. Pirone, G. Russo, *Ruolo di CO<sub>2</sub> nella ossidazione preferenziale di CO su CuO/CeO<sub>2</sub>*, Convegno Nazionale GRICU 2012, Montesilvano (PE) September 16<sup>th</sup>-19<sup>th</sup> 2012
10. Luciana Lisi, Gianluca Landi, Raffaele Pirone, Miriam Tortorelli, Gennaro Russo, *Un Processo Innovativo per l'Abbattimento degli NO<sub>x</sub>*, Convegno Nazionale GRICU 2012, Montesilvano (PE) September 16<sup>th</sup>-19<sup>th</sup> 2012
11. G. Landi, L. Lisi, R. Pirone, G. Russo, V. Stanzione, M. Tortorelli, *Adsorption and interaction of nitrogen oxides with Cu-ZSM-5*, XXXIV Meeting of the Italian Section of the Combustion Institute, Rome October 24<sup>th</sup>-26<sup>th</sup> 2011
12. P. S. Barbato, G. Landi, G. Russo, *Kinetics of high pressure catalytic combustion of CH<sub>4</sub>, H<sub>2</sub> and CO*, XXXIV Meeting of the Italian Section of the Combustion Institute, Rome October 24<sup>th</sup>-26<sup>th</sup> 2011
13. P. S. Barbato, A. Di Benedetto, V. Di Sarli, G. Landi, G. Russo, *Methane combustion in a catalytic monolith at elevated pressures*, XXXIV Meeting of the Italian Section of the Combustion Institute, Rome October 24<sup>th</sup>-26<sup>th</sup> 2011
14. P.S. Barbato, A. Di Benedetto, V. Di Sarli, G. Landi, R. Pirone, G. Russo, *Experimental and numerical study on methane combustion in a catalytic monolith at elevated pressures.*, XXIV Congresso Nazionale della Società Chimica Italiana, Lecce September 11<sup>th</sup> -16<sup>th</sup> 2011
15. G. Landi, L. Lisi, R. Pirone, G. Russo, M. Tortorelli, *Effect of water on NO adsorption over Cu-ZSM-5 based catalysts*, XXIV Congresso Nazionale della Società Chimica Italiana, Lecce September 11<sup>th</sup> -16<sup>th</sup> 2011
16. Paola Sabrina Barbato, Gianluca Landi, Raffaele Pirone, Gennaro Russo, *Kinetic study of the catalytic combustion of CH<sub>4</sub>, H<sub>2</sub>, CO and their mixtures at variable pressure*, XVI Congresso Nazionale di Catalisi GIC2010, Palermo September 19<sup>th</sup> – 23<sup>rd</sup> 2010
17. Paola Sabrina Barbato, Gianluca Landi, Raffaele Pirone, Gennaro Russo, *Catalytic combustion of methane-hydrogen mixtures on Pt-doped and undoped LaMnO<sub>3</sub> platelets*, XIII Congresso SCI, Sorrento July 5<sup>th</sup> – 10<sup>th</sup> 2009
18. S. Cimino, G. Landi, P.S. Barbato, L. Lisi, G. Russo, *Optimization of Rh-LaMnO<sub>3</sub> honeycomb catalysts for fuel-rich methane combustion*, 32<sup>nd</sup> Event of the Italian Section of the Combustion Institute, Napoli April 26<sup>th</sup> – 28<sup>th</sup> 2009

19. G. Landi, R. Pirone, G. Russo, A. Scarpa, *Development of a micro-combustor based on  $\text{LaMnO}_3/\text{Al}_2\text{O}_3$  catalysts*, Convegno G.R.I.C.U. 2008, Le Castella (KR) September 14<sup>th</sup> – 17<sup>th</sup> 2008
20. A. Scarpa, G. Landi, R. Pirone, G. Russo, *Methane combustion in novel catalytic micro-combustors*, XV Congresso Nazionale di Catalisi, Tirrenia (PI) June 10<sup>th</sup> – 14<sup>th</sup> 2007
21. S. Cimino, G. Landi, L. Lisi, G. Russo, *Effect of Rh content on the activity of Rh-LaMnO<sub>3</sub> structured catalysts in the partial oxidation of methane at short contact time*, XXII Congresso Nazionale della Società Chimica Italiana, Firenze September 10<sup>th</sup> – 15<sup>th</sup>, 2006
22. S. Cimino, G. Landi, L. Lisi, G. Russo, *Hydrogen production over Rh/LaMO<sub>3</sub> monolithic catalysts by partial oxidation of methane*, 29<sup>th</sup> Meeting of the Italian Section of the Combustion Institute, Pisa June 14<sup>th</sup> – 17<sup>th</sup>, giugno 2006
23. G. Landi, L.Lisi, J.-C. Volta, *Evolution of structural and acidic properties of VPO during activation and their relationship with catalytic performances*, XIV Congresso Nazionale di Catalisi, Lerici June 6<sup>th</sup> – 10<sup>th</sup>, 2004
24. G. Landi, L.Lisi, G. Russo, J.-C. Volta, *Partial oxidation of propane on VPO-based catalysts: effect of dopants on microstructure and catalytic activity*, XIII Congresso Nazionale di Catalisi, Alghero June 9<sup>th</sup> – 13<sup>th</sup>, 2002