

**Publication on International Journal
(Impact Factor da ISI Web of Knowledge – Journal Citation Reports dell'anno della pubblicazione)**

*** corresponding author**

1. M. C. Campa, D. Pietrogiacomì, S. Tuti, G. Ferraris and V. Indovina
"The selective catalytic reduction of NO_x with CH₄ on Mn-ZSM5: a comparison with Co-ZSM5 and Cu-ZSM5."
Appl. Catal. B: Environmental, 18 (1998) 151-162
2. D. Pietrogiacomì, D. Sannino, S. Tuti, P. Ciambelli, V. Indovina, M. Occhiuzzi and F. Pepe
"The catalytic activity of CuO_x/ZrO₂ for the abatement of NO with propene or ammonia in the presence of O₂".
Appl. Catal. B: Environmental 21 (1999) 141-150
3. V. Indovina, M. Occhiuzzi, D. Pietrogiacomì and S. Tuti
"The surface composition of CuO_x/ZrO₂ catalysts as determined by FTIR, XPS, ESR spectroscopies and volumetric CO adsorption"
J. Phys. Chem B 103 (1999) 9967-9977, doi:10.1021/jp9920904
4. V. Indovina, M.C. Campa and D. Pietrogiacomì
"Sulphated-ZrO₂ prepared by impregnation with ammonium, sodium or copper sulphate: catalytic activity for NO abatement with propene in the presence of oxygen"
"12th International Congress on Catalysis", (A. Corma, F. V. Melo, S. Mendioroz and J. L. G. Fierro, Eds.), Studies in Surface Science and Catalysis, Vol. 130 B, 2000 Elsevier Science B. V., p. 1439-1444, doi:10.1016/S0167-2991(00)80402-4
5. M.C. Campa, B. Iacono, D. Pietrogiacomì, V. Indovina
"The NO abatement with CH₄ in the presence of O₂ on H-ZSM5 with Si/Al=15 to 200: the dependence of activity on the proton concentration"
Catal. Letters 66 (2000) 81-86
[DOI: 10.1023/A:1019087204304](https://doi.org/10.1023/A:1019087204304)
6. D. Pietrogiacomì, S. Tuti, M.C. Campa and V. Indovina
"Cobalt supported on ZrO₂: catalysts characterisation and their activity for the reduction of NO with C₃H₆ in the presence of excess O₂"
Appl. Catal. B: Environmental 28 (2000) 43-54
7. Simonetta Tuti, Franco Pepe, Daniela Pietrogiacomì and Valerio Indovina
"Decomposition of nitrous oxide on CoO_x/ZrO₂, CuO_x/ZrO₂ and FeO_x/ZrO₂ catalysts"
React. Kinet. Catal. Lett. 72(1) (2001) 35-42
8. Simonetta Tuti, Franco Pepe, Daniela Pietrogiacomì and Valerio Indovina
"The catalytic activity of FeO_x/ZrO₂ for the abatement of NO with propene in the presence of O₂"
Catal. Today 75 (2002) 373-378

9. Daniela Pietrogiacomì, Diana Sannino, Alessandro Magliano, Paolo Ciambelli, Simonetta Tuti and Valerio Indovina

"The catalytic activity of CuSO₄/ZrO₂ for the selective catalytic reduction of NO_x with NH₃ in the presence of excess O₂"

Appl. Catal. B: Environmental 36 (2002) 217-230

10. Valerio Indovina, Daniela Pietrogiacomì, Maria Cristina Campa

"CuOx/sulphated-ZrO₂, in situ sulphated CuOx/ZrO₂, and CuSO₄/ZrO₂ as catalysts for the abatement of NO with C₃H₆ in the presence of excess O₂"

Appl. Catal. B: Environmental, 39 (2002) 115-124

11. Daniela Pietrogiacomì, Maria Cristina Campa, Simonetta Tuti, Valerio Indovina

"CoOx/sulphated-ZrO₂ and CoSO₄/ZrO₂ as catalysts for the abatement of NO with C₃H₆ in the presence of excess O₂"

Appl. Catal. B: Environmental, 41 (2003) 301-312

12. Valerio Indovina, Daniela Pietrogiacomì and Maria Cristina Campa

"The catalytic activity of CoOx/sulphated-ZrO₂ for the NO abatement with C₃H₆ in the presence of O₂: the dependence of activity and selectivity on the sulphate content"

J. Molec. Catal. A: Chemical, 204-205 (2003) 655-662

13. Maria Cristina Campa, Igor Luisetto, Daniela Pietrogiacomì and Valerio Indovina

"The catalytic activity of cobalt-exchanged mordenites for the abatement of NO with CH₄ in the presence of excess O₂"

Appl. Catal. B: Environmental, 46 (2003) 511-522

14. V. Indovina, M.C. Campa, F. Pepe, D. Pietrogiacomì and S. Tuti

"Iron species in FeOx/ZrO₂ and FeOx/sulphated-ZrO₂ catalysts"

Studies in Surface Science and Catalysis (A.Gamba, C. Colella, S. Coluccia, Eds.), Vol. 155, 2005 Elsevier Science B. V., p. 329-337,

15. Valerio Indovina, Maria Cristina Campa, Franco Pepe, Daniela Pietrogiacomì and Simonetta Tuti

"The catalytic activity of FeOx/ZrO₂ and FeOx/sulphated-ZrO₂ for the NO abatement with C₃H₆ in the presence of excess O₂"

Appl. Catal. B: Environmental, 60 (2005) 23-31,

[doi:10.1016/j.apcatb.2005.02.016](https://doi.org/10.1016/j.apcatb.2005.02.016), Impact Factor: 3.809

16. Daniela Pietrogiacomì, Alessandro Magliano, Diana Sannino, Maria Cristina Campa, Paolo Ciambelli and Valerio Indovina

"In situ sulphated CuOx/ZrO₂ and CuOx/sulphated-ZrO₂ as catalysts for the reduction of NO_x with NH₃ in the presence of excess O₂"

Appl. Catal. B: Environmental, 60 (2005) 83-92

[doi:10.1016/j.apcatb.2005.02.025](https://doi.org/10.1016/j.apcatb.2005.02.025) Impact Factor: 3.809

17. Valerio Indovina, Maria Cristina Campa and Daniela Pietrogiacomì

"Isolated Co²⁺ and [Co-O-Co]²⁺ species in Na-MOR exchanged with cobalt to various extents: an FTIR characterization by CO adsorption of oxidized and prerduced samples"

J. Phys. Chem. C, 112 (2008) 5093-5101

[doi:10.1021/jp711031v](https://doi.org/10.1021/jp711031v), Impact Factor: 3.396; 5-Year Impact Factor = 3.398

18. Daniela Pietrogiacomì*, Alessandro Magliano, Paolo Ciambelli, Diana Sannino, Maria Cristina Campa, Valerio Indovina

“The effect of sulphation on the catalytic activity of CoOx/ZrO₂ for the NO reduction with NH₃ in the presence of O₂”

Appl. Catal. B: Environmental, 89 (2009) 33-40

Impact Factor: 5.252; 5-Year Impact Factor = 5.913

19. Maria Cristina Campa , Valerio Indovina, Daniela Pietrogiacomì

“The dependence of catalytic activity for N₂O decomposition on the exchange extent of cobalt or copper in Na-MOR, H-MOR and Na-MFI”

Appl. Catal. B: Environmental, 91 (2009) 347-354

Impact Factor: 5.252; 5-Year Impact Factor = 5.913

20. Daniela Pietrogiacomì*, Maria Cristina Campa , Valerio Indovina,

“FTIR of adsorbed species on Co-H-MOR and Co-Na-MOR under CH₄+NO+O₂ stream: catalytic activity and selectivity”

Catal. Today 155 (2010) 192-198

[doi:10.1016/j.cattod.2010.01.004](https://doi.org/10.1016/j.cattod.2010.01.004), Impact Factor = 2.993; 5-Year Impact Factor = 3.477

21. Daniela Pietrogiacomì*, Maria Cristina Campa , Valerio Indovina,

“Location of Isolated Co²⁺ and [Co-O-Co]²⁺ in Co-MOR as Investigated by Means of FTIR with Acetonitrile and 2,4,5-Trimethylbenzonitrile as Probe Molecules”

J. Phys. Chem. C, 114 (2010) 17812–17818

DOI: [10.1021/jp106878s](https://doi.org/10.1021/jp106878s) Impact Factor = 4.749; 5-Year Impact Factor = 4.733

22. Maria Cristina Campa , Valerio Indovina, Daniela Pietrogiacomì,

“The selective catalytic reduction of N₂O with CH₄ on Na-MOR and Na-MFI exchanged with copper, cobalt or manganese”

Appl. Catal. B: Environmental 111–112 (2012) 90–95

DOI: [10.1016/j.apcatb.2011.09.021](https://doi.org/10.1016/j.apcatb.2011.09.021) Impact Factor = 5,825; 5-Year Impact Factor = 5.438

23. Maria Cristina Campa, Valerio Indovina, Roberto Lauri, Daniela Pietrogiacomì,

“The simultaneous selective catalytic reduction of N₂O and NO on Co–Na–MOR using CH₄ alone as the reducing agent in the presence of excess O₂”

Catal. Today, 191 (2012) 87-89,

DOI: [10.1016/j.cattod.2011.11.035](https://doi.org/10.1016/j.cattod.2011.11.035), Impact Factor = 2,98; 5-Year Impact Factor = 3.584

24. M.C. Campa, G. Ferraris, D. Gazzoli, I. Pettiti, D. Pietrogiacomì, “Rhodium supported on tetragonal or monoclinic ZrO₂ as catalyst for the Partial Oxidation of Methane”,

Appl. Catal. B: Environmental 142–143 (2013) 423–431

[doi:10.1016/j.apcatb.2013.05.046](https://doi.org/10.1016/j.apcatb.2013.05.046), Impact Factor = 6.007

25. D. Pietrogiacomì*, M.C. Campa, M. Occhiuzzi,
"Selective Catalytic Reduction of N₂O with CH₄ on Ni-MOR: a comparison with Co-MOR and Fe-MOR catalysts"
Catal. Today, 227 (2014) 116–122
[doi:10.1016/j.cattod.2013.09.014](https://doi.org/10.1016/j.cattod.2013.09.014), Impact Factor = 3.893
26. L. Rizzo, D. Sannino, V. Vaiano, O. Sacco, A. Scarpa, D. Pietrogiacomì,
"Effect of solar simulated N-doped TiO₂ photocatalysis on the inactivation and antibiotic resistance of an *E. coli* strain in biologically treated urban wastewater"
Appl. Catal. B: Environmental, 144 (2014) 369–378
[doi:10.1016/j.apcatb.2013.07.033](https://doi.org/10.1016/j.apcatb.2013.07.033) Impact Factor = 7,435; 5-Year Impact Factor = 7,490
27. M.C. Campa, D. Pietrogiacomì, M. Occhiuzzi
"The simultaneous selective catalytic reduction of N₂O and NO_x with CH₄ on Co- and Ni-exchanged mordenite"
Appl. Catal. B: Environmental, 168-169 (2015) 293–302
[doi:10.1016/j.apcatb.2014.12.040](https://doi.org/10.1016/j.apcatb.2014.12.040) Impact Factor = 8,328
28. D. Pietrogiacomì*, M.C. Campa, L.R. Carbone, S. Tuti, M. Occhiuzzi
"N₂O decomposition on CoO_x, CuO_x, FeO_x or MnO_x supported on ZrO₂: The effect of zirconia doping with sulfates or K⁺ on catalytic activity"
Appl. Catal. B: Environmental, 187 (2016) 218–227
[doi:10.1016/j.apcatb.2016.01.018](https://doi.org/10.1016/j.apcatb.2016.01.018), Impact Factor = 9,446
29. M.C. Campa, D. Pietrogiacomì, C. Scarfiello, L.R. Carbone, M. Occhiuzzi
"CoO_x and FeO_x supported on ZrO₂ for the simultaneous abatement of NO_x and N₂O with C₃H₆ in the presence of O₂"
Appl. Catal. B: Environmental, 240 (2019) 367-372 (available online 14 April 2017)
doi.org/10.1016/j.apcatb.2017.04.041, Impact Factor = 14,229
30. D. Pietrogiacomì*, M.C. Campa, L.R. Carbone, M. Occhiuzzi
"N₂O decomposition and reduction on Co-MOR, Fe-MOR and Ni-MOR catalysts: *in situ* UV-vis DRS and *operando* FTIR investigation. An insight on the reaction pathways"
Appl. Catal. B: Environmental, 240 (2019) 19-29.
doi.org/10.1016/j.apcatb.2018.08.046, Impact Factor(2018) = 14,229
31. D. Pietrogiacomì*, M.C. Campa, L. Ardemani, M. Occhiuzzi
"*Operando* FTIR study of Fe-MOR, Co-MOR, and Ni-MOR as catalysts for simultaneous abatement of NO_x and N₂O with CH₄ in the presence of O₂. An insight on reaction pathway."
Catal. Today 336 (2019) 131-138
doi.org/10.1016/j.cattod.2018.12.053, Impact Factor (2020) = 14,229
32. Elnaz Bahadori, Gianguido Ramis, Danny Zanardo, Federica Menegazzo, Michela Signoretto, Delia Gazzoli, Daniela Pietrogiacomì, Ilenia Rossetti
"Photoreforming of Glucose over CuO/TiO₂."
Catalysts 10 (2020) 477
<https://doi.org/10.3390/catal10050477>, Impact Factor (2019) = 3.520

33. Somayeh Taghavi, Elena Ghedini, Federica Menegazzo, Michela Signoretto, Delia Gazzoli, Daniela Pietrogiacomì, Aisha Matayeva, Andrea Fasolini, Angelo Vaccari, Francesco Basile and Giuseppe Fornasari
"MCM-41 Supported Co-based Bimetallic Catalysts for Aqueous Phase Transformation of Glucose to Biochemicals"
Processes 8 (2020) 843
<https://doi.org/10.3390/pr8070843>, Impact Factor (2020) = 2,753
34. C. Scarfiello, M. Bellusci, L. Pilloni, D. Pietrogiacomì, A. La Barbera, F. Varsano*
"Supported catalysts for induction-heated steam reforming of methane."
Int. J. Hydrogen Energy 46 (2021) 134-145
<https://doi.org/10.1016/j.ijhydene.2020.09.262>, Impact Factor (2021) = 7,139
35. M.C. Campa, I. Pettiti, S. Tuti, G. Luccisano, L. Ardemani, I. Luisetto, D. Gazzoli, D. Pietrogiacomì*
"Oscillatory behaviour of Ni supported on ZrO₂ in the catalytic partial oxidation of methane as determined by activation procedure."
Materials 14 (2021) 2495
<https://doi.org/10.3390/ma14102495>, Impact Factor (2021) = 3.748
36. M.C. Campa, A.M. Doyle, G. Fierro, D. Pietrogiacomì
"Simultaneous abatement of NO and N₂O with CH₄ over modified Al₂O₃ supported Pt,Pd,Rh"
Catal. Today 384-386 (2022) 76–87, Available online 27 June 2021
<https://doi.org/10.1016/j.cattod.2021.06.020>, Impact Factor (2021) = 5.70
37. Veronica Piazza, Roberto Batista da Silva Junior, Giulia Luccisano, Daniela Pietrogiacomì, Gianpiero Groppi, Delia Gazzoli, Alessandra Beretta
"H₂ from biofuels and carriers: gas-phase and surface ethanol conversion pathways on Rh/Al₂O₃ investigated by annular microreactor coupled with Raman and FTIR spectroscopy"
J. Catal. 413 (2022) 184–200, Available online 21 June 2022
<https://doi.org/10.1016/j.jcat.2022.06.012>, Impact Factor (2022) = 8,047
38. Violetta Poletto Dotsenko, Mariangela Bellusci, Andrea Masi, Daniela Pietrogiacomì, Francesca Varsano
"Improving the performances of supported NiCo catalyst for reforming of methane powered by magnetic induction"
Catal. Today 418 (2023) 114049, Available online 17 February 2023
<https://doi.org/10.1016/j.cattod.2023.114049>, Impact Factor (2022) = 6.562
39. Maria Cristina Campa, Daniela Pietrogiacomì, Carlotta Catracchia, Simone Morpurgo, Joanna Olszowka, Kinga Mlekodaj, Mariia Lemishka, Jiri Dedecek, Agnieszka Kornas, Edyta Tabor
"Fe-MOR and Fe-FER as catalysts for abatement of N₂O with CH₄: *in situ* UV-vis DRS and *operando* FTIR study"
Available online 5 October 2023, 123360, Appl. Catal. B: Environmental, 342 (2023) 123360, *in press*
<https://doi.org/10.1016/j.apcatb.2023.123360>
40. Maria Cristina Campa, Giuseppe Fierro, Aidan M. Doyle, Simonetta Tuti, Carlotta Catracchia, Daniela Pietrogiacomì*
"Combined use of *in situ* and *operando*-FTIR, TPR and FESEM techniques to investigate the surface species along the simultaneous abatement of N₂O and NO on Pt,Pd,Rh/TiO₂-ZrO₂ and Pt,Pd,Rh/TiO₂-ZrO₂-CeO₂ catalysts"

Surface & Interfaces, Available online 9 October 2023, 42 (2023) 103502, *in press*

<https://doi.org/10.1016/j.surfin.2023.103502>

Invited Lecture

L1. Daniela Pietrogiacomì

"Transition metal ions supported on ZrO₂ or exchanged in mordenite for N₂O abatement"

Plenary Lecture at International Thematic Workshop on N₂O Abatement, KRACat-deN₂O, 4-6 May 2016, Krakow, Poland

Comunicazioni a Congressi:

C1. D. Pietrogiacomì, S. Tuti, M.C. Campa, S. De Rossi, G. Ferraris e V. Indovina

"Attività catalitica di Co, Mn e Cu in zeoliti ZSM5 e Y per l'abbattimento di NO con metano in presenza di ossigeno"

Atti 10° Congresso Nazionale di Catalisi" (L'Aquila, Settembre 1996) p. 282-285

C2. S. Tuti, C. Silla, M. Occhiuzzi, D. Pietrogiacomì, F. Pepe and V. Indovina

"The catalytic activity of CuOx/ZrO₂ for the abatement of NO with propene in presence of O₂"

Atti del XII Convegno Div. Chim. Ind. e Gruppo Interdiv. Catalisi, SCI (TCC-97) (Giardini Naxos, Giugno 1997) p. 237-240

C3. D. Pietrogiacomì, S. Tuti, M.C. Campa, G. Ferraris, F. Pepe and V. Indovina

"Zeolites ZSM 5 and Y exchanged with cobalt, manganese or copper as catalysts for the abatement of NO with CH₄ in the presence of O₂"

Third European Congress on Catalysis, Europacat III, (Cracovia 1997) Vol. 1, p.446-447

C4. D. Pietrogiacomì, D. Sannino, S. Tuti, P. Ciambelli, V. Indovina, M. Occhiuzzi, and F. Pepe

"The catalytic activity of CuOx/ZrO₂ for the abatement of NO with propene or ammonia in the presence of O₂" Proceedings "2nd World Congress on Environmental Catalysis"

(J.N. Armor, Editor) 1998, Miami Beach, Florida USA, AIChE, 11-1 T, p. 199-200.

C5. D. Pietrogiacomì, S. Tuti, M.C. Campa and V. Indovina

"The catalytic activity of CoOx/ZrO₂ and CoOx/sulphated-ZrO₂ for the NO abatement in the presence of O₂"

Fourth European Congress on Catalysis, Europacat IV, 5-10 september 1999, Rimini, Vol. 1, P/I/069 p.268

C6. V Indovina, M.C. Campa, D. Pietrogiacomì and S. Tuti

"The catalytic activity of CuOx/ZrO₂ and CoOx/ZrO₂ for the abatement of NO with propene in the presence of O₂"

Proceedings of the 9th International Symposium on Heterogeneous Catalysis, 23-27 September 2000, Varna, Bulgaria, p. 677-682

C7. F. Prinetto, G. Ghiotti, M.C. Campa, D. Pietrogiacomì and V. Indovina

"NO abatement with propene on sulphated-ZrO₂ catalysts: FTIR investigation"

Convegno del Consorzio Interuniversitario Nazionale su "La Chimica per L'Ambiente", Accademia Nazionale dei Lincei - Roma, 28 febbraio 2000, p. 56

C8. F. Prinetto, G. Ghiotti, M.C. Campa, D. Pietrogiacomì and V. Indovina

"NO abatement with propene on sulphated-ZrO₂ catalysts: FTIR investigation"

Atti del XX Congresso Nazionale della Società Chimica Italiana, Rimini, 4-9 giugno 2000, Vol. II, FI-PO020

C9. Simonetta Tuti, Franco Pepe, Daniela Pietrogiacomì and Valerio Indovina

"CoOx/ZrO₂, CuOx/ZrO₂ and FeOx/ZrO₂ as catalysts for the decomposition of N₂O"

Atti del 12° Congresso Nazionale di Catalisi, AIZ-GIC, Ravello (SA), 1-5 ottobre 2000

C10. Simonetta Tuti, Franco Pepe, Daniela Pietrogiacomì, Valerio Indovina

"The catalytic activity of FeOx/ZrO₂ for the abatement of NO with propene in the presence of O₂"

3rd European Workshop on Environmental Catalysis, 2-5 maggio 2001, Maiori (SA), pag. 15

C11. Daniela Pietrogiacomì, Diana Sannino, Alessandro Magliano, Maria Cristina Campa, Paolo Ciambelli and Valerio Indovina

"CuSO₄/ZrO₂ as catalyst for the NO abatement with NH₃ in the presence of O₂"

3rd European Workshop on Environmental Catalysis, 2-5 maggio 2001, Maiori (SA), pag. 165

C12. Daniela Pietrogiacomì, Simonetta Tuti, Maria Cristina Campa and Valerio Indovina

"CuOx supported on sulphated-ZrO₂ for NO reduction with C₃H₆ in excess O₂"

Europacat V, 2-7 september 2001, Limerick (Ireland), Book 3, 7-P-67

C13. Simonetta Tuti, Franco Pepe, Daniela Pietrogiacomì and Valerio Indovina

"LaOx/ZrO₂ as a catalyst for NO abatement with methane in the presence of O₂"

Europacat V, 2-7 september 2001, Limerick (Ireland), Book 3, 7-P-68

C14. Maria Cristina Campa, Valerio Indovina, Daniela Pietrogiacomì, Simonetta Tuti

"CuOx/sulphated-ZrO₂, in situ sulphated CuOx/ZrO₂, and CuSO₄/ZrO₂ as catalysts for the abatement of NO with C₃H₆ in the presence of excess O₂"

Atti del XIII Congresso Nazionale di Catalisi, GIC 2002, Alghero (SS), 9-13 giugno 2002

C15. Daniela Pietrogiacomì, Sergio De Rossi and Valerio Indovina

"Sulfated zirconia as catalysts for the n-butane isomerisation: the dependence of activity on the sulphate content and activation temperature"

EuropaCat-VI, August 31 – September 04, 2003 Innsbruck/Austria

C16. Maria Cristina Campa, Igor Luisetto, Daniela Pietrogiacomì, and Valerio Indovina

"Co-exchanged mordenites: preparation, characterization and catalytic activity for the abatement of NO with CH₄ in the presence of excess O₂"

EuropaCat-VI, August 31 – September 04, 2003 Innsbruck/Austria

C17. D. Pietrogiacomì, S. Tuti, M.C. Campa, F. Pepe, and V. Indovina

"The dispersion and the reducibility of Fe(III) in FeOx/ZrO₂ and FeOx/sulphated-ZrO₂ catalysts prepared by impregnation or chemical vapour deposition"

III Workshop on Oxide Based Materials, Como, September 13/16, 2004

C18. D. Pietrogiacomì, M.C. Campa, V. Indovina

"Effect of alkaline ions on the selectivity for SCR of NO with CH₄: a comparison between CoNa-MOR and Co-H-MOR catalysts"

OPERANDO III – 3rd International Congress on Operando Spectroscopy, April 19-23, 2009 – Rostock-Warnemünde, Germany, Poster P3-03

C19. I. Pettiti, D. Pietrogiacomì, D. Gazzoli, G. Ferraris, M. C. Campa, S. De Rossi

"Catalytic Partial Oxidation of Methane on Rh-ZrO₂ systems"

9th Natural Gas Conversion Symposium - NGCS9, Lyon, France, May 30 – June 3, 2010. Book of Abstracts, p. 227.

C20. D. Gazzoli, I. Pettiti, D. Pietrogiacomì, G. Ferraris, M.C. Campa

"Catalytic Partial Oxidation of Methane on ZrO₂-supported Rhodium: effect of ZrO₂ phase"

EuropaCat X - Glasgow, Scotland, 28 August - 2 Sept 2011

C21. Daniela Pietrogiacomì, Maria Cristina Campa, Manlio Occhiuzzi

"Selective Catalytic Reduction of N₂O with CH₄ on Ni-MOR. A comparison with Co-MOR and Fe-MOR catalysts"

CIS-5, 5th Czech-Italian-Spanish Conference on Molecular Sieves and Catalysis, Segovia, Spain, June 16-19, 2013, P-101.

C22. D. Gazzoli, M.C. Campa, I. Luisetto, I. Pettiti, D. Pietrogiacomì, S. Tuti

"Zirconia-supported Nickel catalysts for CO₂ reforming of Methane"

XVII National Congress of Catalysis GIC 2013, Riccione (Italia) 15-18 Settembre 2013.

C23. D. Gazzoli, I. Pettiti, D. Pietrogiacomì, M.C. Campa, G. Ferraris

"Surface properties of ZrO₂-supported Rhodium system: role of ZrO₂ phase"

15th European Conference on Applications of Surface and Interface Analysis 2013, ECASIA'13, Forte Village, Cagliari (Italia), 13-18 Ottobre 2013.

C24. M.C. Campa, D. Pietrogiacomì, L.R. Carbone, M. Occhiuzzi,

"Brønsted acid sites of mordenite for N₂O abatement reactions"

International Thematic Workshop on N₂O Abatement, KRACat-deN₂O, 4-6 May 2016, Krakow, Poland

C25. M.C. Campa, D. Pietrogiacomì, C. Scarfiello, L.R. Carbone, and M. Occhiuzzi

"CoO_x and FeO_x supported on ZrO₂ for the simultaneous abatement of NO and N₂O with C₃H₆"

9th International Conference on Environmental Catalysis, Newcastle, Australia, 10th-13th July 2016, P 227

C26. Maria Cristina Campa, Lea Roberta Carbone, Manlio Occhiuzzi, Daniela Pietrogiacomì

"Siti acidi di Brønsted in mordenite per l'abbattimento catalitico di N₂O"

7° Convegno Giovani Chimici, Dipartimento di Chimica, Sapienza Università di Roma, 14-15 Giugno 2016

C27. M.C. Campa, L.R. Carbone, M. Occhiuzzi, D. Pietrogiacomì

“SCR of N₂O by CH₄: the activity of Brønsted-acid sites in MOR”

EUROPACAT 2017, 13th European Congress on Catalysis, 27th-31th August 2017, Florence (Italy).

C28. M.C. Campa, D. Gazzoli, I. Pettiti, D. Pietrogiacomì*

“Catalytic partial oxidation of methane on Ni/ZrO₂ system for syngas production”

EUROPACAT 2017, 13th European Congress on Catalysis, 27th-31th August 2017, Florence (Italy).

C29. Daniela Pietrogiacomì*, Maria Cristina Campa, Manlio Occhiuzzi

“Operando FTIR investigation of simultaneous SCR of NO_x and N₂O with CH₄ in the presence of O₂ on Co-MOR and Ni-MOR”

Operando VI, 6th International Congress on Operando Spectroscopy, Estepona, Málaga (Spain), 15 to 19th of April, 2018

C30. Giulia Luccisano,* Daniela Pietrogiacomì, Ida Pettiti, Delia Gazzoli, Maria Cristina Campa, Leandro Ardemani

“Ni supported on monoclinic ZrO₂ for the CH₄-CPO”

Convegno Giovani Ricercatori – CGR 2019, Dipartimento di Chimica Sapienza Università di Roma, Roma, 25-26 giugno 2019

C31. Leandro Ardemani, Daniela Pietrogiacomì, Maria Cristina Campa

“Fe-MOR prepared in aqueous or organic solvent for the simultaneous abatement of N₂O and NO_x with CH₄ ± O₂”

Convegno Giovani Ricercatori – CGR 2019, Dipartimento di Chimica Sapienza Università di Roma, Roma, 25-26 giugno 2019

C32. Roberto Batista, Gulce Bayram, Veronica Piazza, Delia Gazzoli, Daniela Pietrogiacomì, Gianpiero Groppi, Alessandra Beretta*

“From waste to H₂: a combined kinetic and spectroscopic study on the conversion of model oxygenates via CPO and SR.”

CatBior V, 2019 - 5th International Congress on Catalysis for Biorefineries 2019 - September 23-27, 2019
Turku (Finland)

C33. Maria Cristina Campa, Leandro Ardemani, Edyta Tabor, Kinga Mlekodaj, Mariia Lemishka, Joanna Olszowka, Jiri Dedecek, Daniela Pietrogiacomì

Fe-MOR catalysts for the abatement of N₂O and NO_x: effect of the preparation method

11th International Conference on Environmental Catalysis - ICEC 2020, Manchester, UK, Virtual Conference, 06-09 Sep 2020, ID 226.

C34. M.C. Campa, A.M. Doyle, G. Fierro, D. Pietrogiacomì

Simultaneous abatement of NO and N₂O with CH₄ over modified Al₂O₃ supported Pt,Pd,Rh

11th International Conference on Environmental Catalysis - ICEC 2020, Manchester, UK, Virtual Conference, 06-09 Sep 2020, ID 94.

C35. Maria Cristina Campa, Delia Gazzoli, Giulia Luccisano, Andrea Giacomo Marrani, Ida Pettiti, Daniela Pietrogiacomì

“Oxidative dry reforming of methane for syngas production: a promising activity of Ni/ZrO₂ catalysts”

11th International Conference on Environmental Catalysis - ICEC 2020, Manchester, UK, Virtual Conference, 06-09 Sep 2020, ID 97.

C36. Veronica Piazza, Abdelrahman Mostafa, Roberto Batista, Delia Gazzoli, Daniela Pietrogiacomì, Giulia Luccisano, Alessandra Beretta* and Gianpiero Groppi

"Catalytic Partial Oxidation of ethanol on Rh/Al₂O₃ in annular reactor: a combined kinetic and spectroscopic study for the assessment of reaction pathways and C-precursors"

11th International Conference on Environmental Catalysis - ICEC 2020, Manchester, UK, Virtual Conference, 06-09 Sep 2020, Oral Presentation, ID 197.

C37. Edyta Tabor, Joanna Olszowka, Daniela Pietrogiacomì, Leandro Ardemani, Kinga Mlekodaj, Mariia Lemishka, Jiri Dedecek, Maria Cristina Campa, "Method of iron introduction to zeolite as strategy to obtained high fraction of active sites for N₂O abatement"

52nd Symposium on Catalysis, 8-9, November 2021, Prague, Czech Republic, P02.

C38. Edyta Tabor, Joanna Olszowka, Kinga Mlekodaj, Mariia Lemishka, Jiri Dedecek, Daniela Pietrogiacomì, Maria Cristina Campa

Towards obtaining a high fraction of iron active sites in Fe-MOR for effective N₂O abatement

9th Tokyo Conference on Advanced Catalytic Science and Technology - TOCAT9, July 24-29,2022 Fukuoka, Japan, oral presentation OC215

C39. M.C. Campa*, G. Fierro, A.M. Doyle, D. Pietrogiacomì

"Simultaneous abatement of NO and N₂O with CH₄ over Pt,Pd,Rh/TiO₂-ZrO₂ and Pt,Pd,Rh/TiO₂-ZrO₂-CeO₂ catalysts"

12th International Conference on Environmental Catalysis - ICEC 2022, July 30-August 02,2022 Osaka, Japan, P22.

C40. M.C. Campa, D. Pietrogiacomì*, C. Catracchia, J. Olszowka, K. Mlekodaj, M. Lemishka, J. Dedecek, E. Tabor

"Reactivity of Fe-MOR and Fe-FER in the catalytic abatement of N₂O with CH₄: in situ UV-vis and operando FT-IR study"

12th International Conference on Environmental Catalysis - ICEC 2022, July 30-August 02,2022 Osaka, Japan, Oral Presentation OA14.

C41. M.C. Campa, D. Pietrogiacomì, C. Catracchia, J. Olszowka, K. Mlekodaj, M. Lemishka, J. Dědeček, E. Tabor,

"Abatement of N₂O over iron zeolites: operando-FTIR and in-situ UV-vis study"

53rd Symposium on Catalysis, Prague, Czech Republic, 7-8 Novembre 2022

C42. A. Benedetti, M. Bellusci, D. Pietrogiacomì, F. Varsano

Ni₆₀Co₄₀ nanoparticles supported on γ -Al₂O₃ as magnetic catalyst for induction heated reforming reactions".

Nanoscience & Nanotechnology, 29 Maggio - 1 Giugno 2023, INFN, Frascati, Rome, (Italy)

C43. M.C. Campa, G. Fierro, A.M. Doyle, D. Pietrogiacomì,

"Combined use of *in situ* and *operando*-FTIR, TPR and FESEM techniques to investigate the nature of the catalytic species along the simultaneous abatement of N₂O and NO on Pt,Pd,Rh/TiO₂-ZrO₂ and Pt,Pd,Rh/TiO₂-ZrO₂-CeO₂ catalysts"

14th International Conference on Surfaces, Coatings and Nanostructured Materials (NANOSMAT 2023), Athens, Greece, 10-14 Luglio 2023, VIP010.

C44. M.C. Campa, D. Pietrogiacomì, C. Catracchia, J.E. Olszowka, K. Mlekodaj, M. Lemishka, J. Dědeček, E. Tabor,

“Identification of the active centres in FER and MOR for N₂O processing”,

15th European Congress on Catalysis (EuropaCat XV), Prague, Czech Republic, 27 Agosto - 1 Settembre 2023, CHAR-P-063.

C45. A. Benedetti, M. Bellusci, D. Pietrogiacomì, A. Masi, F. Varsano

Ni₅₀Co₅₀ nanoparticles supported on γ - Al₂O₃ for induction heated reforming reactions”.

NanoInnovation 2023, 18-22 September 2023, Roma, (Italy)

C46. M.C. Campa, G. Fierro, A.M. Doyle, D. Pietrogiacomì, “Pt,Pd,Rh/TiO₂-ZrO₂ and Pt,Pd,Rh/TiO₂-ZrO₂-CeO₂ systems as promising catalysts for the simultaneous SCR of N₂O and NO by CH₄: study of the catalytic behaviour and of the active sites”, “Giornate di Dipartimento CNR/DCSCTM 2023” Sestri Levante, 18-20 Ottobre 2023, GCS.10.