List of Publications B. Louis (up-dated March 2018)

1. A. Goeppert, B. Louis, J. Sommer
   Activation, isomerization and H/D exchange of small alkanes in triflic acid

2. B. Louis, P. Reuse, L. Kiwi-Minsker, A. Renken
   Synthesis of ZSM-5 coatings on stainless steel grids and their catalytic performance for partial oxidation of benzene by N\textsubscript{2}O

3. B. Louis, L. Kiwi-Minsker, P. Reuse, A. Renken
   ZSM-5 coatings on stainless steel grids in one-step benzene hydroxylation to phenol by N\textsubscript{2}O: reaction kinetics study

4. B. Louis, C. Tezel, L. Kiwi-Minsker, A. Renken
   Synthesis of structured filamenteous zeolite materials via ZSM-5 coatings of glass fibrous supports

5. B. Louis, B. Viswanathan, I. Yuranov, A. Renken
   Partial oxidation of benzene catalysed by heteropolycompounds

   Hydroxylation of phenol over M-MCM-48

7. B. Louis, Ch. Subrahmanyam, L. Kiwi-Minsker, B. Viswanathan, P.A. Buffat, A. Renken
   Synthesis and characterisation of MCM-41 coatings on stainless steel grids

   Partial oxidation of toluene by oxygen over mesoporous Cr-AlPO

   Catalytic oxidation of toluene with molecular oxygen over Cr-substituted mesoporous materials

10. B. Louis, S. Walspurger, J. Sommer
    Quantitative determination of Brönsted acid sites on zeolites: a new approach towards the chemical composition of zeolites

11. B. Louis, L. Kiwi-Minsker
    Synthesis of ZSM-5 zeolite in fluoride media: an innovative approach to tailor both crystal size and acidity

    Synthesis, characterisation and catalytic properties of vanadium substituted mesoporous aluminophosphates
High yield synthesis of multi-walled carbon nanotubes by catalytic decomposition of ethane over iron supported on alumina catalyst

Investigation of factors influencing catalytic activity for n-butane isomerization in the presence of hydrogen on Al-promoted sulfated zirconia

Innovative tool for determining the number of Brönsted acid sites in solid acids: towards the chemical composition of zeolites

16. M. Lacroix, B. Louis, C. Pham-Huu, M.J. Ledoux
Synthesis and characterisation of 1D Y-zeolite confined inside multi-walled carbon nanotubes

GaSBA-15: a new and active Friedel-Crafts acylation catalyst

Ga doped SBA-15 as an active and stable catalyst for Friedel-Crafts liquid-phase acylation

19. Y. Sun, S. Walspurger, J.P. Tessonnier, B. Louis, J. Sommer
Highly dispersed iron oxide nanoclusters supported on ordered mesoporous SBA-15: A very active catalyst for Friedel-Crafts alkylation

20. C. Pham-Huu, R. Vieira, B. Louis, A. Carvalho, J. Amadou, T. Dintzer, M.J. Ledoux
About the octopus-like growth mechanism of the carbon nanofibers over graphite supported nickel catalyst

Quantitative measurement of the Brönsted acid sites in solid acids: towards a single-site design of Mo-modified ZSM-5 zeolite

22. V. Svrcek, I. Kleps, F. Cracioniou, J.L. Paillaud, T. Dintzer, B. Louis, D. Begin, C. Pham-Huu, M.J. Ledoux, F. Le Normand
Monitoring the chemical vapor deposition growth of multiwalled carbon nanotubes by tapered element oscillating microbalance

23. P. Mothe-Esteves, B. Louis
Experimental and DFT study of the partial oxidation of benzene by N$_2$O over H-ZSM-5: Acid catalyzed mechanism


ZSM-5 coatings on β-SiC monoliths: a possible new structured catalyst for the Methanol-to-Olefins process


26. S. Ivanova, B. Louis, M.J. Ledoux, C. Pham-Huu
Auto-assembly of nanofibrous zeolite crystals via silicon carbide substrate self-transformation


27. B. Louis, R. Vieira, A. Carvalho, J. Amadou, M.J. Ledoux, C. Pham-Huu
Carbon nanofibers grown over graphite supported Ni catalyst: relationship between octopus-like growth mechanism and macro-shaping


28. J.P. Tessonnier, B. Louis, M.J. Ledoux, C. Pham-Huu
Green Catalysis for Production of Chemicals and CO-free Hydrogen


29. J.P. Tessonnier, B. Louis, S. Rigolet, M.J. Ledoux, C. Pham-Huu
Methane dehydro-aromatization on Mo/ZSM-5: about the hidden role of Brønsted acid sites


30. S. Walspurger, B. Louis
Insights into the structure of active sites in metal-doped solid acid catalysts


31. E. Vanhaecke, S. Ivanova, B. Louis, Ch. Pham, C. Pham-Huu
ZSM-5 nanowires assembly supported on medium surface area foam β-SiC composite with nanoscopic surface properties


32. G. Laugel, J. Arichi, H. Guerba, M. Moliere, A. Kienennmann, F. Garin, B. Louis
Co$_3$O$_4$ and Mn$_3$O$_4$ nanoparticles dispersed on SBA-15: efficient catalysts for methane combustion


33. G. Laugel, J. Arichi, M. Moliere, A. Kienennmann, F. Garin, B. Louis
Metal oxides nanoparticles on SBA-15: efficient catalyst for methane combustion


34. J. Arichi, M. Eternot, B. Louis
Synthesis of V-containing Keggin polyoxometalates: versatile catalysts for the synthesis of fine chemicals?

35. S. Ivanova, E. Vanhaecke, B. Louis, S. Libs, M.J. Ledoux, S. Rigolet, C. Marichal, Ch. Pham, F. Luck, C. Pham-Huu
Efficient synthesis of dimethylether over HZSM-5 supported on medium-surface-area \( \beta \)-SiC foam

36. J. Arichi, B. Louis
Toward microscopic design of zeolite crystals: advantages of the fluoride-mediated synthesis

37. Z. El Berrichi, B. Louis, L. Cherif, M.J. Ledoux, C. Pham-Huu
Synthesis and characterisation of mesoporous SBA-15 supported on pre-shaped silicon carbide (\( \beta \)-SiC)

38. P. Kuhn, A. Alix, M. Kumarraja, B. Louis, P. Pale, J. Sommer
The first copper-zeolite catalyzed synthesis of diynes. Copper-zeolites as catalysts for the coupling of terminal alkynes: an efficient synthesis of diynes.

39. R. Vieira, B. Louis, C. Pham-Huu
Les nanofibres de carbone: un support de catalyseur polyvalent

Preparation and characterisation of metal oxides supported on SBA-15 as methane combustion catalysts

41. J. Arichi, S. Ivanova, B. Louis
Design of microporous materials: a novel generation of solid acids

42. P. Kuhn, P. Pale, J. Sommer, B. Louis
Probing Cu–USY zeolite reactivity: design of a green catalyst for the synthesis of diynes

43. S. Ivanova, E. Vanhaecke, L. Dreibine, B. Louis, Ch. Pham, C. Pham-Huu
Binderless HZSM-5 coating on \( \beta \)-SiC for different alcohols dehydration

44. B. Louis, C. Detoni, N.M.F. Carvalho, C.D. Duarte, O.A.C. Antunes
Cu(II) bipyridine and phenantroline complexes: tailor-made catalysts for the selective oxidation of tetraline

45. P. Kuhn, A. Alix, M. Kumarraja, B. Louis, P. Pale, J. Sommer
Copper zeolites catalyzed homocoupling of terminal alkynes
Highlights in Current Synthetic Organic Chemistry

46. S. Ivanova, C. Lebrun, E. Vanhaecke, C. Pham–Huu, B. Louis
Influence of the zeolite synthesis route on its catalytic properties in the Methanol to Olefin reaction
47. C. Detoni, N.M.F. Carvalho, D.A.G. Aranda, B. Louis, O.A.C. Antunes
Cyclohexane and toluene oxidation catalyzed by 1,10-phenanthroline Cu(II) complexes

48. F. Ocampo, H. Yun, M.M. Pereira, J.P. Tessonnier, B. Louis
Design of MFI zeolite-based composites with hierarchical pore structure: a new generation of structured catalysts

49. F. Ocampo, B. Louis, A.C. Roger
Methanation of carbon dioxide over nickel based Ce$_{0.72}$Zr$_{0.28}$O$_2$ mixed oxide catalysts prepared by sol-gel method

50. B. Louis, M.M. Pereira, F.M. Santos, P. Mothé Esteves, J. Sommer
Alkane activation over acidic zeolites: the first step

51. J. Arichi, M.M. Pereira, P. Mothé-Esteves, B. Louis
Synthesis of Keggin-type polyoxometalate crystals

52. P. Mothé-Esteves, M.M. Pereira, J. Arichi, B. Louis
How Keggin-type polyoxometalates self-organize into crystals

53. B. Louis, F. Ocampo, H.S. Yun, J.P. Tessonnier, M.M. Pereira
Hierarchical pore ZSM-5 zeolite structures: from micro to macro-engineering of structured catalysts

54. A.J. Maia, B. Louis, Y.L. Lam, M.M. Pereira
Ni-ZSM-5 catalysts: detailed characterization of metal sites for proper catalyst design

55. S. Chassaing, A. Alix, T. Boningari, A.S.S. Sido, M. Keller, P. Kuhn, B. Louis, J. Sommer, P. Pale
Copper (I) zeolites as new heterogeneous and green catalysts for organic synthesis
*Synthesis* 9 (2010) 1557-1567. (*Feature article*)

56. S. Ivanova, X. Nitsch, F. Romero-Sarria, B. Louis, M.A. Centeno, A.C. Roger, J.A. Odriozola
New class of acid catalysts for methanol dehydration

The effect of alumina on FCC catalyst in the presence of nickel and vanadium

Synthesis of zeolite crystals with unusual morphology: application in acid catalysis
G. Laugel, S. Walspurger, B. Louis
Conception sur mesure de solides microporeux et mésoporeux pour la catalyse: de la molécule au réacteur

F. Ocampo, B. Louis, L. Kiwi-Minsker, A.C. Roger
Effect of Ce/Zr composition and noble metal promotion on nickel based Ce\textsubscript{1-x}Zr\textsubscript{x}O\textsubscript{2} catalysts for carbon dioxide methanation

S. Borghèse, A. Blanc, P. Pale, B. Louis
Brönsted acid sites in metal-containing solid acids: from quantification to molecular design of new catalysts / silver(I)-polyoxometalates

F.Z. El Berrichi, C. Pham-Huu, L. Cherif, B. Louis, M.J. Ledoux
Benzoylation of anisole catalyzed by Ga/SBA-15 supported on carbon nanofibers composite

F. Ocampo, B. Louis, A. Kiennemann, A.C. Roger
CO\textsubscript{2} methanation over Ni-Ceria-Zirconia catalysts: effect of preparation and operating conditions

B. Louis, G. Laugel, P. Pale, M.M. Pereira
Rational design of microporous and mesoporous solids for catalysis: from the molecule to the reactor.

M. Boltz, A. Blanc, G. Laugel, P. Pale, B. Louis
Heterogeneization of [Cu(2,2'-bipy)Cl\textsubscript{2}] and [Cu(1,10-phenantroline)Cl\textsubscript{2}] complexes on polyoxometalates: new catalysts for the selective oxidation of tetralin

G. Laugel, X. Nitsch, F. Ocampo, B. Louis
Methanol dehydration into dimethylether over ZSM-5 type zeolites: raise in the operational temperature range

S. Ivanova, X. Nitsch, F. Romero-Sarria, B. Louis, M.A. Centeno, A.C. Roger, J.A. Odriozola
Ionic liquid protected heteropoly acids for methanol dehydration

S. Borghèse, A. Blanc, B. Louis, P. Pale
Design of silver(I)-heteropolyacids: toward the molecular control of reactivity in organic chemistry

Isobutane and n-butane cracking on Ni-ZSM-5 catalyst: effect on light olefin formation

B. Louis, A. Vicente, C. Fernandez, V. Valtchev
Crystal size – acid sites relationship study of nano- and micron-sized zeolite crystals
71. A. Olmos, B. Louis, P. Pale
Scandium (III)-zeolites as new heterogeneous catalysts for imino-Diels–Alder reactions

72. A. Olmos, S. Rigolet, B. Louis, P. Pale
Design of scandium-doped USY zeolite: an efficient and green catalyst for aza-Diels-Alder reaction

73. G. Laugel, B. Louis, W. Hua
Evaluation of acidic properties of Al₂O₃-doped sulfated tin oxide catalyst in esterification and transesterification reactions

74. F.L. Bleken, S. Chavan, U. Olsbye, M. Boltz, F. Ocampo, B. Louis
Conversion of methanol into light olefins over ZSM-5 zeolite: strategy to enhance propene selectivity

75. M. Boltz, M.C.S. de Mattos, P. Mothé-Esteves, P. Pale, B. Louis
Green route for the chlorination of nitrobenzene

Investigation of the nature of V-species on alumina modified by alkali cations: development of multifunctional DeSOx catalysts

77. M. Boltz, P. Losch, B. Louis
A general overview on the methanol to olefins reaction: recent catalyst developments
_Special issue devoted to C₁ chemistry._

78. A.P.S.S. Estevão, F.M. Santos, M.L.A. Gonçalves, R.A.S. San Gil, H.S. Cerqueira, B. Louis, M.M. Pereira
Regeneration of spent HY zeolite obtained after bio-oil cracking in the presence of CO₂
_Special issue devoted to C₁ chemistry._

Catalytic CO₂ valorization into CH₄ on Ni-based ceria-zirconia. Reaction mechanism by operando IR spectroscopy.

80. S. Borghèse, P. Drouhin, V. Beneteau, B. Louis, P. Pale
Silver-zeolite catalyzed solvent free synthesis of (spiro)ketal

Electrophilic chlorination of arenes with trichloroisocyanuric acid over acid zeolites

82. T.C. da Silva, E.B. Pereira, R.P. dos Santos, B. Louis, J.P. Tessonnier; M.M. Pereira
Synthesis and characterization of vanadium species coated on alumina, magnesium oxide and hydrotalcite supports to SOx removal

83. T.J. Daou, M. Boltz, L. Tzanis, L. Michelin, B. Louis
Gas-phase chlorination of aromatics over FAU- and EMT-type zeolites

84. C. Bernardon, B. Louis, V. Beneteau, P. Pale
Diels-Alder reaction between isoprene and methyl acrylate over different zeolites: influence of pore topology and acidity

Nickel-doped small pore zeolite bifunctional catalysts: a way to achieve high activity and yields into olefins

86. P. Losch, M. Boltz, K. Soukup, I.H. Song, H.S. Yun, B. Louis
Binderless zeolite coatings on macroporous alpha-SiC foams

One-step synthesis of a highly homogeneous SBA–NHC hybrid material: en route to single-site NHC–metal heterogeneous catalysts with high loadings

88. S. Walspurger, W.G. Haije, B. Louis
CO₂ reduction to substitute natural gas: toward a global low carbon energy system

89. D. Hueber, M. Hoffmann, B. Louis, P. Pale, A. Blanc
Inorganic–organic heteropolyacid–gold(I) hybrids: structures and catalytic applications

90. M. Boltz, P. Losch, B. Louis, G. Rioland, L. Tzanis, T.J. Daou
MFI-type zeolite nanosheets for gas-phase aromatics chlorination: a strategy to overcome mass transfer limitations

91. C.C. Rocha, A. Balanqueux, M. Boltz, P. Losch, C. Bernardon, V. Bénéteau, P. Pale, M.M. Pereira, B. Louis
Unraveling the importance of zeolite crystal morphology

92. P. Losch, A. Martinez Pascual, M. Boltz, S. Ivanova, B. Louis, F. Montilla, J.A. Odriozola
Ionic liquid immobilization on carbon nanofibers and zeolites: catalyst design for the liquid-phase toluene chlorination
93. P. Losch, M. Boltz, B. Louis, S. Chavan, U. Olsbye
Catalyst optimization for enhanced propylene formation in the MTO reaction

94. C.S. Cardoso, Y.F. Licea, X. Huang, M. Willinger, B. Louis, M.M. Pereira
Improving textural properties of gamma-alumina by using second generation biomass in conventional hydrothermal method

95. P. Losch, G. Laugel, J.S. Martinez-Espin, S. Chavan, U. Olsbye, B. Louis
Phosphorous modified ZSM-5 zeolites: impact on methanol conversion into olefins

96. P. Losch, M. Boltz, C. Bernardon, B. Louis, A. Palcic, V. Valtchev
Impact of external surface passivation of nano-ZSM-5 zeolites in the Methanol-To-Olefins reaction

97. A.V. Silva, L.S.M. Miranda, M. Nele, B. Louis, M.M. Pereira
Tailored silicon-aluminum ratio and morphology of ZSM-5 zeolites through the assistance of biomass
*Catalysts*, ISSN 2073-4344 (2016).

98. C. Bernardon, M. Ben Osman, G. Laugel, B. Louis, P. Pale
Acidity vs metal-induced Lewis acidity in zeolites for Friedel-Crafts acylation

99. R.N.M. Missengue, P. Losch, G. Sedres, N.M. Musyoka, O.O. Fatoba, B. Louis, P. Pale, L.F. Petrik
Transformation of South African coal fly ash into ZSM-5 zeolite and its application as an MTO catalyst
*Comptes Rendus Chimie* 20 (2017) 78-86.

100. S. Chassaing, V. Beneteau, B. Louis, P. Pale
Zeoites as Green Catalysts for Organic Synthesis: the cases of H-, Cu-, Sc-zeolites

101. B. Louis, E.S. Gomes, T. Coelho, G. Lutzweiler, P. Losch, A.V. Silva, A.C. Faro Jr., T. Romero, M. Ben Osman, A. Balanqueux, C. Bernardon, M.M. Pereira
Influence of biomass residues on the metastability of zeolite structures

102. P. Losch, J.F. Kolb, A. Astafan, T.J. Daou, L. Pinard, P. Pale, B. Louis
Eco-compatible zeolite-catalysed continuous halogenation of aromatics

103. Z. Zhang, Y. Guo, B. Louis, Q. Wang, F. Qi
Heterogeneous Fenton-like reactions with a novel hybrid Cu-Mn-O catalyst for the degradation of benzophenone-3 in aqueous media

104. P. Losch, A.B. Pinar, M.G. Willinger, K. Soukup, S. Chavan, B. Vincent, P. Pale, B. Louis
H-ZSM-5 zeolite model crystals: structure-diffusion-activity relationship in Methanol-To-Olefins catalysis?
105. Q. Qin, J. Wang, T. Zhou, Q. Zheng, L. Huang, Y. Zhang, P. Lu, A. Umar, B. Louis, Q. Wang
Impact of organic interlayer anions on the CO\textsubscript{2} adsorption performance of Mg-Al layered double
hydroxides derived mixed oxides

106. Y. Zhang, T. Zhou, B. Louis, F. Yu, J. Dan, Q. Wang
Environmental Benign Synthesis of Lithium Silicates and Mg-Al Layered Double Hydroxide from
Vermiculite Mineral for CO\textsubscript{2} Capture
\textit{Catalysts} 2017, 7, 105; doi:10.3390/catal7040105

107. B. Louis, E.S. Gomes, P. Losch, G. Lutzweiler, T. Coelho, A. Faro Jr., J.F. Pinto, C.S.
Cardoso, A.V. Silva, M.M. Pereira
Biomass-assisted zeolite syntheses as a tool for designing new acid catalysts

108. E.S. Gomes, G. Lutzweiler, P. Losch, A.V. Silva, C. Bernardon, K. Parkhomenko, M.M.
Pereira, B. Louis
Strategy to design zeolite catalysts in the presence of biomass

109. W. Gao, T. Zhou, B. Louis, Q. Wang
Hydrothermal fabrication of high surface area mesoporous MgO with excellent CO\textsubscript{2} adsorption
potential at intermediate temperature

110. Y. Pan, Y. Zhang, T. Zhou, B. Louis, D. O’Hare, Q. Wang
Fabrication of lithium silicates as highly efficient high-temperature CO\textsubscript{2} sorbents from SBA-15
precursor

111. P. Losch, T.C. Hoff, J.F. Kolb, C. Bernardon, J.P. Tessonnier, B. Louis
Mesoporous ZSM-5 Zeolites in Acid Catalysis: Top-Down vs. Bottom-Up Approach

112. L. Huang, C. Xu, R. Ren, Q. Zheng, Z. Wang, B. Louis, Q. Wang
Revealing how molten salts promote CO\textsubscript{2} capture on CaO via an impedance study and sorption
kinetics simulation
\textit{2017 Sustainable Energy & Fuels HOT Article}

113. V. Blay, B. Louis, R. Miravalles, T. Yokoi, K.A. Peccatiello, M. Clough, B. Yilmaz
Engineering Zeolites for Catalytic Cracking to Light Olefins
\textit{ACS Catalysis} 7 (2017) 6542-6566.

114. R.N.M. Missengue, P. Losch, N.M. Musyoka, B. Louis, P. Pale, L.F. Petrik
Conversion of South African coal fly ash into high-purity ZSM-5 zeolite without additional source of
silica or alumina and its application as a Methanol-to-Olefins catalyst

115. E.S. Gomes, D.A.G. Aranda, M.M. Pereira, B. Louis
ZSM-5 synthesis by the assistance of biomass and biomass-derivate compounds
Book Chapters

1°) Advances in the Use of Carbon Nanomaterials in Catalysis
in “Ordered Nanoporous Solids: Recent Advances and Prospects”
B. Louis, D. Begin, M.J. Ledoux, C. Pham-Huu

2°) Carbon dioxide, chemical valorization and mitigation in the refinery (pages 535-562)
in “New and Future Developments in Catalysis. Catalysis for Remediation and Environmental Concerns”,
M.M. Pereira, B. Louis

Patents

1. S. Ivanova, E. Vanhaecke, B. Louis, S. Libs, M.J. Ledoux, C. Pham-Huu,
Application de matériaux composites à base de zéolithes supportées sur β-SiC à la synthèse du diméthyléther (DME)
Brevet Français N° 06-10743 (2006) CNRS-ULP.
2. W. Kantlehner, B. Louis, R. Kress, E.V. Stoyanov, J. Sommer
3. M. M. Pereira, A.V. Silva, B. Louis
Processo de produçao de zeolita com razao silicio / aluminio de rede controlada na presenca de compostos derivados de biomassa e zeolita produzida pelo mesmo
Brasilian Patent BR 10 2016 001856 0, deposited January 27th 2016

Selected Oral Presentations

- **Plenary Lecture**, French Catalysis Congress, May 2017, Oléron
  “Catalyse et Catalyseurs Acides”

- **Keynote lecture** at CHISA 2016, August 2016, Prague, Czech republic
  “Strategies to design zeolite catalysts with tailored acidities and porosities”

- **Keynote lecture** at the 7th Acid Base Catalysis symposium, May 2013, Tokyo “Tailor-made zeolites for chemical reactions”

- **Keynote lecture** at the French Catalysis Congress, Cap d’Agde, May 2013
  “Les zéolithes: de la superacidité… à la chimie fine”
• **Invited Talk** at the 2nd zeolite workshop in Caen, May 2013
  “Zeolites: the chimera of catalysis?”

• **Vulgarisation conference at the Institut Français de Norvège** (Nov. 28th 2012, Oslo), “Les zéolithes: de nos cuisines à l’espace”

• 8th Acid Base Catalysis Congress, Rio de Janeiro, May 2017
  “Eco-compatible zeolite-catalysed continuous halogenation of aromatics”

• **International Zeolite Conference, XVIIIth IZC meeting**, Rio de Janeiro, July 2016
  “Innovative strategy to design zeolite catalysts in the presence of biomass”

• Invited Lecture at Beijing Forestry University, Beijing
  “Zeolite: the stone of wisdom for catalysis”, 27th November 2015

• Invited Conference at the Chemistry Department, Federal University Rio de Janeiro, UFRJ
  “Mythological Concepts in Zeolites”
  9th June 2015 Rio de Janeiro, Brazil

• Invited Lecture at Fudan University, Shanghai
  “Tailor-made zeolites for acid catalysis”, Découverte Chine program laureate, 22nd September 2014

• Invited Lecture at Turku University, Turku
  “Zeolites: from superacidity … to fine chemistry”, Sampo program laureate, 1st October 2013

• **SynFuel Symposium**, Munich, June 2012
  “Catalyst design for enhanced propylene formation via the Methanol-To-Olefins reaction”

• **Invited Lecture** at the Department of physical Chemistry of the Charles University, Prague
  “Rational design of zeolites: one catalyst for one application”, Vlatava program laureate, 20th October 2010

• Invited Conference at the Fritz Haber Institut, MPG, Berlin
  “Rational design of zeolite catalysts: toward a green organic chemistry”
  17th February 2010.

• Invited Conference at the Department of Chemistry of the University of Neuchâtel
  “Conception sur mesure de catalyseurs acides solides: vers une chimie organique verte, 27th November 2009.

• VI Acid-Base Catalysis Congress, Genoa, May 2009
  “Zeolite coatings on glass monoliths: efficient structured catalytic beds for alkane cracking”

• European Materials Research Society, Spring Meeting
  Self-assembly of microporous materials: a new generation of solid acid catalysts
  26-30th may 2008, Strasbourg, France

• 14th Brazilian Congress on Catalysis
  “Toward the molecular and microscopic design of polyoxovanadates: a versatile catalyst for the synthesis of fine chemicals”
16-19th September 2007, Porto de Galinhas, Brasil

- **2nd Advanced Microporous and Mesoporous Materials Symposium**
  “Quantification of Brönsted acid sites in solid acids: toward the design of metal sites in their porous host”
  6-9th September 2007, Varna, Bulgaria

- **12th Nordic Symposium on Catalysis**
  “Octopus-like growth of carbon nanofibers over Ni/graphite catalyst: a facility for their macro-shaping”
  28-30th May 2006, Trondheim, Norway

  “Carbon nanostructures with macroscopic shaping: from waste water treatment to the space”

- **13th Brazilian Congress on Catalysis**
  “Comprehensive experimental and DFT study of benzene partial oxidation by N₂O over H-ZSM5: an electrophilic aromatic substitution?”