

PETTITI IDA

Comunicazioni a congressi

- C1) *"Preparation and characterization of $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_{8+\delta}$ compounds"*.
I. Pettiti, A. Bianconi, G. Moretti, P. Porta
"Quarto Congresso Nazionale sulla Superconduttività ad alta temperatura di transizione, SATT 4",
Parma (Italia), 11-13 Febbraio 1991.
- C2) *"Experimental evidence for the modulation of Cu $3d_{z^2-r^2}$ hole symmetry by oxygen holes"*.
A. Bianconi, M. Pompa, C. Li, I. Pettiti, D. Udron, A.M. Flank, P. Lagarde
"Electronic Structure and Mechanisms for High Temperature Superconductivity", Miami (USA),
3-9 Gennaio 1991.
- C3) *"Structural and Electronic Variations in the Metal to Insulator Transition in $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_{8+\delta}$ "*
I. Pettiti, M. Pompa, A. Bianconi, F. Campanella, A.M. Flank, P. Lagarde, C.Li, P. Porta, S. Turtù,
D. Udron
"International Conference: Materials and Mechanisms of Superconductivity High-Temperature
Superconductors", Kanazawa (Giappone), 22-26 Luglio 1991.
- C4) *"Coupling between the charge carriers and the lattice distortions via modulation of the orbital
angular momentum $m_l=0$ of the 3d holes by polarized Cu L_3 XAS spectroscopy of high T_c single
crystal superconductors"*
A. Bianconi, F. Campanella, A.M. Flank, P. Lagarde, C. Li, I. Pettiti, M. Pompa, S. Turtù, D.
Udron
"International Conference: Materials and Mechanisms of Superconductivity High-Temperature
Superconductors", Kanazawa (Giappone), 22-26 Luglio 1991.
- C5) *"Structural, electronic and conducting properties of $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_{8+\delta}$ superconductors"*.
I. Pettiti, A. Bianconi, G. Moretti and P. Porta
"CISCI 91 Congresso dei gruppi Interdivisionali della Società Chimica Italiana", Chianciano
Terme (Italia), 6-11 Ottobre 1991.
- C6) *"Electronic structure of $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_8$ and La_2CuO_4 as derived by joint analysis of X-
ray absorption spectra"*
M. Pompa, C.Li, A. Bianconi, F. Campanella, A.M. Flank, P. Lagarde, I. Pettiti, S. Turtù, D.
Udron
"ICMAS 91: Superconductivity. Materials, Physics and Applications", Parigi (Francia), 7-8
Ottobre 1991.
- C7) *"Non homogeneous Cu site configurations and Cu apical oxygen vibrations at the normal to
superconducting transition"*
I. Pettiti, M. Missori, M. Pompa, S. Della Longa, A. Bianconi
"SATT 5", Capri (Italia), 11-13 Maggio 1992.
- C8) *"Structural Characterization of Nickel(II)-Molybdenum(VI)-Tungsten(VI) Heteropolyanions"*

- P. Porta, G. Minelli, G. Moretti, I. Pettiti
 "European Powder Diffraction Conference", Enschede (Olanda), 30/7 - 1/8 1992.
- C9) *"Preparation and characterization of perovskite-type oxides containing La, Mn, Cu, and La, Co, Cu"*
 P. Porta, I. Pettiti, G. Minelli, M. Faticanti
 "XIIIth International Symposium on the Reactivity of Solids", Amburgo (Germania), 8-12 Settembre 1996.
- C10) *"Perovskite-like $LaMn_{1-x}Cu_xO_3$ and $LaCo_{1-x}Cu_xO_3$: Solid State Chemistry, Redox Properties and Methane Catalytic Combustion"*
 G. Bagnasco, P. Ciambelli, L. Lisi, G. Russo, M. Turco, S. De Rossi, M. Faticanti, G. Minelli, I. Pettiti, P. Porta
 "XII Congresso Nazionale della Divisione di Chimica Industriale e Simposio di Catalisi", Giardini Naxos (Italia), 22-25 Giugno 1997 and "III World Congress on Oxidation Catalysis", S. Diego (U.S.A.), 21-26 Settembre 1997.
- C11) *"EXAFS measurements for testing a new in situ cell"*
 S. Colonna, S. De Rossi, G. Ferraris, M. Inversi, D. Gazzoli, I. Pettiti, P. Porta, M. Valigi
 "6° Convegno SILS", Padova (Italia), 18-20 Giugno 1998.
- C12) *"Activation and deactivation behavior of tungsta/zirconia catalysts for butane isomerization"*
 S. De Rossi, G. Ferraris, D. Gazzoli, I. Pettiti, M. Valigi
 "4th European Congress on Catalysis Europacat-IV", Rimini (Italia), 5-10 Settembre 1999.
- C13) *"EXAFS and XANES studies of tungsten oxide supported on zirconia"*
I. Pettiti, M. Valigi, D. Gazzoli, S. De Rossi, G. Ferraris, S. Colonna
 "Ottavo Convegno SILS", Palermo (Italia), 29/06 - 01/07, 2000.
- C14) *" $AFeO_3$ ($A = La, Nd, Sm$) and $LaFe_{1-x}Mg_xO_3$ perovskites prepared by citrates at different temperatures"*
 P. Porta, S. Cimino, S. De Rossi, M. Faticanti, G. Minelli, I. Pettiti
 "14th International Symposium on the reactivity of solids", Budapest (Ungheria), 27-31 Agosto 2000.
- C15) *"Effect of La or Fe substitution with a bivalent cation in $LaFeO_3$ perovskite on the stability, structural and redox properties and catalytic activity in methane combustion"*
 P. Ciambelli, S. Cimino, L. Lisi, G. Minelli, I. Pettiti, P. Porta
 "XII Congresso Nazionale di Catalisi", Ravello (Italia), 1-5 Ottobre 2000.
- C16) *" $LaMO_3$ ($M = Mn, Co, Fe$) Perovskite-type oxide. Structural, redox and catalytic properties towards oxidation of hexane"*
 R. Spinicci, A. Tofanari, M. Faticanti, I. Pettiti, P. Porta
 "XII Congresso Nazionale di Catalisi", Ravello (Italia), 1-5 Ottobre 2000.
- C17) *"Studi XAS su sistemi ossidici inorganici"*
I. Pettiti, S. Colonna, M. Faticanti, D. Gazzoli, G. Minelli, P. Porta, M. Valigi
 "I Congresso utenti GILDA", Folgaria (Italia) 17-19 Gennaio 2001.

- C18) *“Methane combustion and CO oxidation on zirconia supported La, Mn oxides and LaMnO₃ perovskite”*
 S. Colonna, S. Cimino, S. De Rossi, M. Faticanti, L. Lisi, I. Pettiti, P. Porta
 “Nono Congresso SILS”, Firenze (Italia), 7-9 Luglio 2001 e “XIII Congresso Nazionale di Catalisi GIC 2002”, Alghero (Italia), 9-13 Giugno 2002.
- C19) *“XAS characterization and catalytic CO oxidation on zirconia-supported LaFeO₃ perovskite”*
I. Pettiti, S. Colonna, S. De Rossi, M. Faticanti, P. Porta
 “X Congresso SILS”, Roma (Italia), 11-13 Luglio 2002.
- C20) *“Preparation, XAS characterization and catalytic activity of γ -Al₂O₃ supported La, Mn, Co and Fe oxides”*
I. Pettiti, S. Colonna, S. De Rossi, M. Faticanti, P. Ingrassia, P. Porta
 “Joint Congress AIC-SILS”, Trieste (Italia), 21-25 Luglio 2003.
- C21) *“CO oxidation on alumina supported La, Mn, Co, Fe mixed oxides”*
 S. De Rossi, M. Faticanti, G. Minelli, I. Pettiti, P. Porta
 “XIV Congresso Nazionale di Catalisi GIC2004”, Lerici (La Spezia - Italia), 06-10 Giugno 2004.
- C22) *“XAS characterization of Ni-catalysts obtained from silicate intercalated hydrotalcite-like (HT) precursors”*
I. Pettiti, D. Gazzoli, M. Valigi, F. Basile, P. Benito, G. Fornasari, A. Vaccari
 “XV Congresso Nazionale SILS”, Milano (Italia), 05-07 Luglio 2007.
- C23) *“Ni-catalysts obtained from silicate intercalated HTlcs active in the CPO of methane”*
 F. Basile, P. Benito, G. Fornasari, D. Gazzoli, I. Pettiti, V. Rosetti, A. Vaccari
 “Europacat VIII”, Turku/Åbo (Finlandia), 26-31 Agosto 2007.
- C24) *“Arcillas heteroestructuradas como catalizadores en reacciones de desulfurización oxidativa”*
 Mercedes Muñoz, Carmen I. Cabello, Gustavo Romanelli, Irma L. Botto, Delia Gazzoli, Ida Pettiti y Giovanni Ferraris
 “XXI SICAT”, Málaga-Benalmádena-Costa (Spagna), 22-27 Giugno 2008.
- C25) *“Catalytic Partial Oxidation of Methane on Rh-ZrO₂ Systems”*
I. Pettiti, D. Pietrogiacomì, D. Gazzoli, G. Ferraris, M. C. Campa, S. De Rossi
 “NGCS 9 – 9th Novel Gas Conversion Symposium C1-C4 chemistry: from fossil to bio resources”, Lyon (Francia), 30 Maggio - 3 Giugno, 2010.
- C26) *“Catalysts based on Rh(III)-hexamolibdate/ γ -Al₂O₃ and their application in selective hydrogenation of cinammaldehyde to hydrocinammaldehyde”*
 G. R. Bertolini, C. I. Cabello, M. Muñoz, M. Casella, D. Gazzoli, I. Pettiti, G. Ferraris
 “XX International Materials Research Congress”, Cancun (Messico), 14-19 Agosto 2011.
- C27) *“Catalytic Partial Oxidation of Methane on ZrO₂-supported Rhodium: effect of ZrO₂ phase”*
 Delia Gazzoli, Ida Pettiti, Daniela Pietrogiacomì, Giovanni Ferraris, Maria Cristina Campa
 “Europacat X”, Glasgow (Scozia), 28 Agosto - 2 Settembre 2011.
- C28) *“Zirconia-supported Nickel catalysts for CO₂ reforming of Methane”*

- D. Gazzoli, M.C. Campa, I. Luisetto, I. Pettiti, D. Pietrogiacomì, S. Tuti
“XVII National Congress of Catalysis GIC 2013”, Riccione (Italia), 15-18 Settembre 2013.
- C29) *“Surface properties of ZrO₂-supported Rhodium system: role of ZrO₂ phase”*
Delia Gazzoli, Ida Pettiti, Daniela Pietrogiacomì, Maria Cristina Campa, Giovanni Ferraris
“15th European Conference on Applications of Surface and Interface Analysis 2013,
ECASIA’13”, Forte Village, Cagliari (Italia), 13-18 Ottobre 2013.
- C30) *“Functionalized metal oxide particles: a comparative study on their use as additives in polymer electrolyte membranes”*
M. A. Navarra, S. Panero, I. Pettiti, M. Sgambetterra
“International Conferences Materials and Technologies CIMTEC 2014 - 6th Forum on New Materials”, Montecatini Terme (Italia), 15-20 Giugno 2014.
- C31) *“Nano-composite polymer electrolyte membranes for Fuel Cell and Electrolyzer applications”*
M. A. Navarra, L. Mazzapioda, I. Pettiti, S. Panero
“1st European Conference on Physical and Theoretical Chemistry”, Catania (Italia), 14-18 Settembre 2015.
- C32) *“Ni supported on monoclinic ZrO₂ catalyst for syngas production from methane”*
Maria Cristina Campa, Delia Gazzoli, Igor Luisetto, Ida Pettiti, Daniela Pietrogiacomì,
Manlio Occhiuzzi, Simonetta Tuti
“11th Natural Gas Conversion Symposium (NGCS 11)”, Tromsø (Norvegia), 5-9 Giugno 2016.
- C33) *“Catalytic partial oxidation of methane on monoclinic ZrO₂-supported Ni”*
Maria Cristina Campa, Delia Gazzoli, Ida Pettiti, Daniela Pietrogiacomì.
“16th International Congress on Catalysis (ICC 16)”, Beijing (Cina), 3-8 Luglio 2016.
- C34) *“Catalytic partial oxidation of methane on Ni/ZrO₂ system for syngas production”*
M.C. Campa, D. Gazzoli, I. Pettiti, Daniela Pietrogiacomì, “EUROPACAT 2017 - 13th
European Congress on Catalysis”, Firenze (Italia), 27-31 Agosto 2017.

Proceedings (articoli brevi su Volumi o Atti di Congressi)

- P1) *"On the orbital Angular Momentum of Cu 3d Holes in High-Tc-Superconductors. Is a Cu 3d_{3z²-r²}* Bipolaron the Superconducting Pair?"
- A. Bianconi, A.M. Flank, P. Lagarde, C. Li, I. Pettiti, M. Pompa, D. Udron
Pubblicato su "High Temperature Superconductivity: Physical Properties, Microscopic Theory, and Mechanisms", pag. 363-375, edit. J. Ashkenazi, S. E. Barnes, F. Zuo e G. C. Vezzoli, B. M. Klein, Plenum Press, New York, 1991.
- P2) *"Non Homogeneous Cu site structure configurations and Cu apical oxygen vibrations at the normal to superconducting transition"*
- A. Bianconi, S. Della Longa, M. Missori, I. Pettiti, M. Pompa
Pubblicato su "*Lattice Effects in High Tc Superconductors*", edit. Y. Bar-Yam, World Scientific Pub., Singapore, 1992.
- P3) *"Cu-Zn-Manganites as oxidic catalysts for the NO_x abatement"*
- G. Fierro, M. Inversi, M. Lo Jacono, S. Morpurgo, I. Pettiti
Proceedings del Convegno "Ossidi semplici e misti come materiali innovativi", Torino (Italia), 22-25 Giugno 1997.
- P4) *" γ -Al₂O₃-supported Anderson phases as HDS catalysts: EXAFS study"*
- I. Pettiti, I. L. Botto, C. Cabello, S. Colonna, G. Minelli, P. Porta, H. Thomas
Proceedings (Recent Reports) del "12th International Congress on Catalysis", Granada (Spagna), 9-14 Luglio 2000.

Publicazioni su riviste internazionali

- A1) "Cu K Edge Polarized X-Ray Absorption Near Edge Structure of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ "
A. Bianconi, C. Li, F. Campanella, S. Della Longa, I. Pettiti, M. Pompa, S. Turtù, and D. Udron, *Phys. Rev. B* **44**, 4560, (1991).
- A2) "Coupling Between the Charge Carriers and Lattice Distortion via Modulation of the Orbital Angular Momentum $m_l=0$ of the 3d Holes by Polarized XAS Spectroscopy"
M. Pompa, S. Turtù, A. Bianconi, F. Campanella, A.M. Flanck, P. Lagarde, C. Li, I. Pettiti, D. Udron, *Physica C* **185-189**, 1061 (1991).
- A3) "Structure of the different Cu sites in the corrugated CuO_2 plane in high- T_c superconductors"
A. Bianconi, S. Della Longa, M. Missori, I. Pettiti, M. Pompa, A. Soldatov, *Jpn. J. Appl. Phys.* **32**, 578 (1993).
- A4) "Laser deposition of thin films of high T_c superconductors"
A. Giardini Guidoni, I. Pettiti, A. Morone, V. Marotta, M. Snels, G. P. Parisi and G. Bentivegna, *Appl. Surf. Sci.* **69**, 365 (1993).
- A5) "Anderson-type ammonium hexamolybdotungstonickelates"
P. Porta, G. Minelli, G. Moretti, I. Pettiti, L. I. Botto and H. J. Thomas, *J. Mater. Chem.* **4**, 541 (1994).
- A6) "Bulk and surface characterization of some heteropolymolybdates and the products of their reduction and sulfidation"
P. Porta, G. Minelli, G. Moretti, I. Pettiti, L. I. Botto, C. Cabello and H. J. Thomas, *J. Mater. Chem.* **4**, 1641 (1994).
- A7) "The catalytic activity of Cu-ZSM-5 and Cu-Y zeolites in NO decomposition: dependence on copper concentration"
M. C. Campa, V. Indovina, G. Minelli, G. Moretti, I. Pettiti, P. Porta and A. Riccio, *Catal. Lett.* **23**, 141 (1994).
- A8) "Structure and reactivity of copper-zinc-cadmium chromite catalysts"
G.L. Castiglioni, A. Vaccari, G. Fierro, M. Inversi, M. Lo Jacono, G. Minelli, I. Pettiti, P. Porta, M. Gazzano, *Appl. Catal. A: General* **123**, 123 (1995).
- A9) "Characterization by X-ray absorption, X-ray powder diffraction, and magnetic susceptibility of Cu-Zn-Co-Al-containing hydroxycarbonates, oxycarbonates, oxides, and their products of reduction"
P. Porta, S. Morpurgo, and I. Pettiti, *J. Solid State Chem.* **121**, 372 (1996).
- A10) "Anderson phases as precursors of nickel-molybdenum-tungsten oxides"
P. Porta, G. Minelli, I. Pettiti, L. I. Botto, and H. J. Thomas, *J. Mater. Chem.* **7**, 311 (1997).
- A11) "Preparation, characterisation and catalytic activity of Cu-Zn-based manganites obtained from carbonate precursors"
G. Fierro, S. Morpurgo, M. Lo Jacono, M. Inversi, I. Pettiti, *Appl. Catal. A: General* **166**, 407 (1998).
- A12) "Perovskite-type oxides: 1. Structural, magnetic and morphological properties of $\text{LaMn}_{1-x}\text{Cu}_x\text{O}_3$ and $\text{LaCo}_{1-x}\text{Cu}_x\text{O}_3$ solid solutions with large surface areas"

- P. Porta, S. De Rossi, M. Faticanti, G. Minelli, I. Pettiti, L. Lisi and M. Turco, *J. Solid State Chem.* **146**, 291 (1999).
- A13) "Cell for the *in situ* study of heterogeneous catalysts by transmission and fluorescence XAS spectroscopy"
I. Pettiti, D. Gazzoli, M. Inversi, M. Valigi, S. De Rossi, G. Ferraris, P. Porta and S. Colonna, *J. Synchrotron Rad.* **6**, 1120 (1999).
- A14) "AMnO₃ (A = La, Nd, Sm) and Sm_{1-x}Sr_xMnO₃ perovskites as combustion catalysts: structural, redox and catalytic properties"
P. Ciambelli, S. Cimino, S. De Rossi, M. Faticanti, L. Lisi, G. Minelli, I. Pettiti, P. Porta, G. Russo, M. Turco, *Appl. Catal. B: Environmental* **24**, 243 (2000).
- A15) "AFeO₃ (A = La, Nd, Sm) and LaFe_{1-x}Mg_xO₃ perovskites: structural and redox properties"
P. Porta, S. Cimino, S. De Rossi, M. Faticanti, G. Minelli, I. Pettiti, *Mater. Chem. Phys.* **71**, 165 (2001).
- A16) "La, Ca and Fe oxide perovskites: preparation, characterization and catalytic properties for methane combustion"
P. Ciambelli, S. Cimino, L. Lisi, M. Faticanti, G. Minelli, I. Pettiti, P. Porta, *Appl. Catal. B: Environmental* **33**, 193 (2001).
- A17) "Anderson-type heteropolyoxomolybdates in catalysis 2. EXAFS study on γ -Al₂O₃-supported Mo, Co and Ni sulfided phases as HDS catalysts"
I. Pettiti, I. L. Botto, C. I. Cabello, S. Colonna, M. Faticanti, G. Minelli, P. Porta, H. J. Thomas, *Appl. Catal. A: General* **220**, 113 (2001).
- A18) "Hexane total oxidation on LaMO₃ (M = Mn, Co, Fe) perovskite-type oxides"
R. Spinicci, A. Tofanari, M. Faticanti, I. Pettiti, P. Porta, *J. Molec. Catal. A: Chemical* **176**, 247 (2001).
- A19) "Methane combustion and CO oxidation on zirconia-supported La, Mn oxides and LaMnO₃ perovskite"
S. Cimino, S. Colonna, S. De Rossi, M. Faticanti, L. Lisi, I. Pettiti and P. Porta, *J. Catal.* **205**, 309 (2002).
- A20) "Zirconia supported La, Co oxides and LaCoO₃ perovskite: structural characterization and catalytic CO oxidation"
S. Colonna, S. De Rossi, M. Faticanti, I. Pettiti, P. Porta, *J. Molec. Catal. A: Chemical* **180**, 161 (2002).
- A21) "WO_x/ZrO₂ catalysts. Part 1. Preparation, bulk and surface characterization"
M. Valigi, D. Gazzoli, I. Pettiti, G. Mattei, S. Colonna, S. De Rossi, G. Ferraris, *Appl. Catal. A: General* **231**, 159 (2002).
- A22) "XAS characterization and CO oxidation on zirconia-supported LaFeO₃ perovskite"
S. Colonna, S. De Rossi, M. Faticanti, I. Pettiti, P. Porta, *J. Molec. Catal. A: Chemical* **187**, 269 (2002).
- A23) "WO_x/ZrO₂ Catalysts. Part 3. Surface coverage as investigated by low temperature CO

adsorption: FT-IR and volumetric studies”

G. Ferraris, S. De Rossi, D. Gazzoli, I. Pettiti, M. Valigi, G. Magnacca, C. Morterra, *Appl. Catal. A: General* **240**, 119 (2003).

A24) “XAS characterization and CO oxidation on δ -alumina supported La, Mn, Co and Fe oxides”

I. Pettiti, S. Colonna, S. De Rossi, M. Faticanti, G. Minelli and P. Porta, *Phys. Chem. Chem. Phys.* **6**, 1350 (2004).

A25) “Thermally-induced morphological transition in WO_x deposited on a $ZrO_2(100)$ substrate”

S. Colonna, G. Pompeo, M. Girasole, D. Gazzoli, I. Pettiti, M. Valigi, *Surf. Sci.* **601**, 1389 (2007).

A26) “Ni-catalysts obtained from silicate intercalated HTLcs active in the catalytic partial oxidation of methane: Influence of the silicate content”

F. Basile, P. Benito, G. Fornasari, D. Gazzoli, I. Pettiti, V. Rosetti, A. Vaccari, *Catal. Today* **142**, 78 (2009).

A27) “Catalysts based on Rh(III)-hexamolybdate/ γ - Al_2O_3 and their application in the selective hydrogenation of cinnamaldehyde to hydrocinnamaldehyde”

G. R. Bertolini, C. I. Cabello, M. Muñoz, M. Casella, D. Gazzoli, I. Pettiti, G. Ferraris, *J. Molec. Catal. A: Chemical* **366**, 109-115 (2013).

A28) “Rhodium supported on tetragonal or monoclinic ZrO_2 as catalyst for the partial oxidation of methane”

M.C. Campa, G. Ferraris, D. Gazzoli, I. Pettiti*, D. Pietrogiacomi, *Appl. Catal. B: Environmental* **142–143**, 423–431 (2013).

A29) “Functionalized Al_2O_3 particles as additives in proton-conducting polymer electrolyte membranes for fuel cell applications”

M. Branchi, M. Sgambetterra, I. Pettiti, S. Panero, M. A. Navarra, *Int. J. Hydrogen Energy* **40**, 14757–14767 (2015).

A30) “The Reducibility of Highly Stable Ni-containing Species in Catalysts Derived from Hydrotalcite-type Precursors ”

I. Pettiti, D. Gazzoli, P. Benito, G. Fornasari, A. Vaccari, *RSC Adv.* **5**, 82282-82291 (2015).

A31) “Synthesis and Characterization of Copper Ferrite Magnetic Nanoparticles by Hydrothermal Route”

Thomas Abo Atia, Pietro Altimari, Emanuela Moscardini, Ida Pettiti, Luigi Toro, Francesca Pagnanelli, *Chemical Engineering Transactions*, **vol. 47**, 151-156 (2016).

A32) “Stabilization of Iron (micro)Particles with Polyhydroxybutyrate for In Situ Remediation Applications”

Chronopoulou Laura, Palocci Cleofe, Valentino Francesco, Pettiti Ida, Waclawek Stanislaw, Cernik Miroslav, Petrangeli Papini Marco, *Appl. Sci*, **6**, 417-425 (2016).

A33) “The mechanism of iron binding processes in erionite fibres”

Pacella Alessandro, Cremisini Carlo, Nardi Elisa, Montereali Maria Rita, Pettiti Ida, Ballirano Paolo, *Scientific Reports*, **7**, 1319-1326 (2017).

A34) “Characterizing Biochar as Alternative Sorbent for Oil Spill Remediation”

Silvani Ludovica, Vrchotova Blanka, Kastanek Petr, Demnerova Katerina, Pettiti Ida, Petrangeli Papini Marco, *Scientific Reports*, **7**, 43912-43921 (2017).

A35) “Synthesis and characterization of Nb₂O₅ mesostructures with tunable morphology and their application in dye-sensitized solar cells”

Riccardo Panetta, Alessandro Latini, Ida Pettiti, Carmen Cavallo, *Materials Chemistry and Physics*, **202**, (2017) 289-301.

A36) “Enhancing methane production from food waste fermentate using biochar: the added value of electrochemical testing in pre-selecting the most effective type of biochar”

Carolina Cruz Viggi, Serena Simonetti, Enza Palma, Pamela Pagliaccia, Camilla Braguglia, Stefano Fazi, Silvia Baronti, Maria Assunta Navarra, Ida Pettiti, Christin Koch, Falk Harnisch, Federico Aulenta, *Biotechnol. Biofuels*, 10:303 (pp. 13) (2017).

A37) “Different Erionite Species Bind Iron into the Structure: A Potential Explanation for Fibrous Erionite Toxicity”

Alessandro Pacella, Carlo Cremisini, Elisa Nardi, Maria Rita Montereali, Ida Pettiti, Matteo Giordani, Michele Mattioli and Paolo Ballirano, *Minerals*, **8**, 36-51, (2018);
DOI:10.3390/min8020036

A38) “Tetra-2,3-pyrazinoporphyrazines with Peripherally Appended Pyridine Rings. 20. Mono- and Pentanuclear Al^{III} and Ga^{III} Complexes: Synthesis and Physicochemical and Photoactivity Studies”

Giulia Saltini, Lei Cong, Maria Pia Donzello, Claudio Ercolani, Elisa Viola, Ida Pettiti, Pavel A. Stuzhin, and Karl M. Kadish, *Inorg. Chem.*, ... (2019); *DOI: 10.1021/acs.inorgchem.9b02279*