Sunday, 15th September 2013

Invited lectures: Honorary Chairpersons

17:00 – 17:40 A. Alberti “The unforeseeable structural response to increased temperature in microporous materials”

17:40 – 18:20 F. Trifirò “Innovation in catalysis of most important reactions for the humanity”

Medaglia Chiusoli Lecture

18:30 – 19:10 P. Fornasiero “Tuning mtal-support interactions in ceria based catalysts”

Plenary Lecture: Targa Fauser Award

19:10 – 20:10 G. Bellussi “The role of nano-structured materials in the development of catalytic conversion processes”

Welcome party, offered by DSM and Micromeritics

Monday, 16th September 2013

Session 1 (GIC & AIZ): Green chemistry, renewable resources and environmentally friendly applications

Key-note Lecture

8:30 – 9:10 N. Ravasio "The role of Catalysis in the Roadmap to Bioeconomy: the case of Oleochemicals"

Oral communications

9:10 – 9:30 F. Menegazzo, M. Signoretto, F. Pinna, M. Manzoli, G. Cerrato, V. Aina, F. Boccuzzi "Gold based catalysts for the oxidative esterification of renewable furfural"

9:30 – 9:50 V. Russo, R. Tesser, E. Santacesaria, M. Di Serio "Kinetics of Propene Oxide Production via Hydrogen Peroxide with TS-1"

9:50 – 10:10 E. Gianotti, U.Diaz, A. Velty, A. Corma "Designing Bifunctional Acid-Base Mesoporous Hybrid Catalysts for Cascade Reactions"

10:10 – 10:30 A.M. Raspolli Galletti, T. Funaioli, A. Ricciardi, E. Bertolucci, C. Antonetti, D. Licursi, H. Gomez-Bernal "Efficient conversion of biomass into furan derivatives in the presence of magnetic catalysts"

10:30 – 11:00 coffee break, offered by Panalytical and Sasol

11:00 – 11:20 N. Scotti, C. Evangelisti, F. Zaccheria, R. Psaro, N. Ravasio "One-pot epoxidation of alkenes through oxygen activation over a bifunctional CuO/Al_2O_3 catalyst"

11:20 – 11:40 F. Galli, C. Pirola, C.L. Bianchi, G. Carvoli "Heterogeneous Catalyzed FFA Esterification of Soybean Oil in a pressurized PFR reactor"

11.40 – 12:00 F. Marchitti, E. Tronconi, I. Nova "Experimental study of the interaction between soot combustion and NH_3-SCR reactivity over a Cu-zeolite catalyst"

12:00 – 12:20 I. Rossetti, J. Lasso, V. Nichele, M. Signoretto, E. Finocchio, G. Ramis, A. Di Michele "Silica and zirconia supported catalysts for the low-temperature ethanol steam reforming"

12:20 – 12:40 V. Palma, A. Ricca, P. Ciambelli "Methane auto-thermal reforming in a compact thermal integrated ATR reformer: monolithic catalysts performances"

Session 2 (GIC & AIZ) Structure-function relationships and reaction mechanisms

Key-note Lecture

14:00 – 14:40 S. Bordiga, F. Bonino, F. Giordanino, L. Mino, B. T. Lønstad Bleken, U. Olsbye, S. Svelle, K. P. Lillerud, Ton V. W. Janssens, P. Beato "Role of zeolite topologies and morphologies in determining life time and selectivity in MTH process"

Oral communications

14:40 – 15:00 V. Palma, F. Castaldo, P. Ciambelli, G. Iaquaniello "Selectivity and stability of bimetallic catalysts for ethanol steam reforming at low temperature"

15.00 – 15.20 D. Pagani, A. Donazzi, A. Lucotti, M. Tommasini, A. Beretta, G. Groppi, C. Castiglioni, P. Forzatti "Annular reactor testing and Raman surface characterization in the CPO of CH_4 and C_3H_6"

15:20 – 15:40 E. Aneggi, D. Wiater, C. de Leitenburg, J. Llorca, A. Trovarelli "New insights on the effect of surface geometry on diesel soot combustion over ceria catalysts"

15:40 – 16:00 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"

16:00 – 16:30 coffee break, offered by Panalytical and Sasol

16:30 – 16:50 A.M. Venezia, V. La Parola, G. Pantaleo, P. Calatozzo, Raja Bal "Synthesis and Support effects on CH_4 partial oxidation over Ni-La_2O_3 and Ni-$CeLaO_x$"

16:50 – 17:10 Ł. Kubiak, L. Righini, L. Castoldi, L. Lietti, T. Grzybek, S. Morandi "Mechanistic investigation on the reduction by heptane of NO_x stored on a PtBa/Al_2O_3 LNT catalyst"

17:10 – 17:30 F. Malizia, A.Fait, S.Nagy, G.Cruciani "The crystal structure of Ziegler-Natta catalyst supports"

17:30 – 17:50 Y. Sakhno, C. Deiana, M. Fabbiani, M. Pazzi, M. Vincenti, G. Martra "Amide synthesis on TiO_2 from amines and unactivated carboxylic acids: insights on the reaction pathway"

17:50 – 18:10 A. Budnyk, A. Damin, S. Bordiga, A. Zecchina "UV-Vis-NIR and IR spectroscopic characterisation of ethylene polymerisation on Cr-doped high surface area silica glass"

Gottardi Award Lcture & Parmaliana Award Lecture

18:10 – 18:50 Winner of the Gottardi Award

18:50 – 19:30 Winner of the Parmaliana Award

Tuesday, 17th September 2013

Session 3a (AIZ): From minerals to advanced materials

Key-note Lecture

8:30 – 9:10 D. Gatta "Pressure-induced hyperconfinement in zeolites: today, tomorrow"

Oral communications

9:10 – 9:30 G. B. Suffritti, P. Demontis, M. Masiat "Computer simulation studies of supercooled water in zeolites"

9:30 – 9:50 R. Arletti, G. Vezzalini, S. Quartieri ""ImPACT"- FIRB Futuro in Ricerca: Pressure-induced supermolecular organization of water and ethanol in all-silica zeolites"

9:50 – 10:10 M. Ardit, L. Gatti, G. Cruciani "Structure and thermal behavior of traskite: a microporous heteropolyhedral mineral with 12 tetrahedral rings"

10:10 – 10:30 M . Errahali, G . Gatti, L. Canti, L. Tei, M . Cossi, G.A. Rolla, L . Marchese "Synthesis and characterization of porous aromatic framework (PAF) materials with diamond-like structure and their use for gas storage applications"

10:30 – 11:00 coffee break, offered by Panalytical and Sasol

11:00 – 11:20 E. Papa, E. Landi, P. Benito, A. Vaccari, V. Medri "Porosity tailoring in synthetic alumino-silicate materials"

11:20 – 11.40 C. Belviso, F. Cavalcante, S. Di Gennaro, A. Palma, P. Ragone, S. Fiore "Leaching elements behaviour of zeolites synthesised from fly ash"

Session 3b (GIC): Homogeneous and enzymatic catalysis

Key-note Lecture

8:30 – 9:10 A. Scarso "Environmentally Benign Micellar Metal Catalysis in Water"

Oral communications

9:10 – 9:30 B. Gjoka, S. Taskensioglu C. Zonta, G. Licini "Amino Triphenolate Complexes as Catalysts for Activation of Small Molecules"

9:30 – 9:50 R. Mazzoni, T. Pasini, M. Vaccari, G. Solinas, V. Zanotti, S. Albonetti, F. Cavani, A. Vaccari, A. Mazzanti, S. Ranieri "The chemistry of the Svho catalyst in the selective hydrogenation of biomass derived 5-hydroxymethylfurfural"

9:50 – 10:10 R. Vitiello, R. Turco, R. Tesser, V. Russo, M. Di Serio, E. Santacesaria "Glycerol chlorination in gas-liquid semibatch reactor: new catalysts for chlorohydrins production"

10:10 – 10:30 N. Marino, R. P. Doyle, G. De Munno "Bridging the gap between solid state and molecular chemistry: synthesis and study of 'VPO' (vanadium-phosphorus oxide)-type coordination complexes"

10:30 – 11:00 coffee break, offered by Panalytical and Sasol

11:00 – 11:20 M. Crucianelli, V. Grossi, M. Passacantando, F. Subrizi, R. Saladino, L. Pesci "An Efficient Support for the Immobilization of Enzymes: Tyrosinase on Carbon Nanotubes for Biocatalytic ends"

11:20 – 11.40 G. Agustín Martinez, A. Scoma, S. Rebecchi, L. Bertin, G. Braunegg, F. Fava "Production of polyhydroxyalkanoates from olive mill waste water by employing *Ralstonia eutropha* as biocatalyst"

Session 4a (AIZ): Adsorption, diffusion and sorption in zeolites and related micro and mesoporous materials

Key-note Lecture

11:40 – 12.20 D. Caputo "Are Zeolites and Related Materials Really Usable as Adsorbents for Biogas Purification?"

Oral communications

12:20 – 12.40 L. Pasti, A. Martucci, E. Sarti, R. Bagattin "Competitive adsorption of toluene and caffeic acid from diluite aqueous solutions onto organophilic ZSM-5"

14:00 – 14:20 V. Sacchetto, C. Bisio, I. Braschi, M. Cossi, G. Gatti, G. Paul, G. Berlier, R. Bagatin, L. Marchese "On the adsorption of hydrocarbons on micro to mesoporous high silica materials: a combined experimental and computational description"

14.20 – 14:40 G. Cametti, P. Ballirano "Ionic exchange mechanisms between erionite-Na and simulated lung fluids"

14.40 – 15.00 A. Gignone, L. Manna, S. Ronchetti, B. Onida "Incorporation of clotrimazole in ordered mesoporous silica by supercritical CO_2"

15.00 – 15.20 L. Gigli, R. Arletti, E. Fois, G. Martra, G. Tabacchi, J. G. Vitillo, G. Vezzalini, S. Quartieri ""ImPACT"- FIRB Futuro in Ricerca: Structural characterization of fluorenone-zeolite L host-guest complex"

Session 4b (GIC): Electrocatalysis and Photocatalysis

Key-note Lecture

11:40 – 12.20 M. Bonchio "Energy Materials by Molecular Design: Knitting the Catalytic Pattern of Artificial Photosynthesis"

Oral communications

12:20 – 12.40 C. Aliotta, F. Deganello, L.F. Liotta, C. Paoletti and A. Martorana "From interconnectors to anode materials for IT-SOFCs: the role of Iron in $La_{1-x}Sr_xCr_{1-y}Fe_yO_{3-\delta}$"

14:00 – 14:20 E. Balantseva, G. Berlier, P. Davit, A. M. Ferrari, G. Trunfio L. Spadaro, F. Arena "$M_xZn_{1-x}S$ photocatalysts for water splitting: surface, electronic and catalytic properties"

14.20 – 14:40 G. A. Mutch, J. A. Anderson, M. Shand, S. Morandi, V. Aina, G. Cerrato "CeO_2-TiO_2 photocatalytic mixed oxides for nitrate reduction in drinking water"

14.40 – 15.00 D. Ravelli, S. Montanaro, H. Qrareya, M. Fagnoni, A. Albini "Radical benzylation of electron-poor olefins via decatungstate photocatalysis"

15.00 – 15.20 D. Sannino, O. Sacco, V. Vaiano, P. Ciambelli "N-doped TiO_2 photocatalysts active under visible light for the removal of organic dyes and antibiotics in liquid phase"

Social dinner, offered by eni SpA

Wednesday, 18th September 2013

Session 5 (GIC & AIZ): Special session in honor of the 65th birthday of prof. Angelo Vaccari: "Synthesis of zeotypes, lamellar materials and organic-inorganic systems"

Key-note Lecture

8:30 – 9:10 A. Vaccari "Electrosynthesis of hydrotalcite-type anionic clays as precursors of structured catalysts"

Oral communications

9:10 – 9:30 G. Bonura, C. Cannilla, M. Cordaro, A. Mezzapica, L. Spadaro, F. Arena, F. Frusteri "Cu-Zn-Zr–Zeolite Combined Systems for one-step DME Production by CO_2 Hydrogenation"

9:30 – 9:50 I. Nova, E. Tronconi "NH_3-NO/NO_2 SCR reactions over Fe- and Cu-zeolites catalysts for Diesel exhaust aftertreatment"

9:50 – 10:10 G. Garbarino, S .Chitsazan, G. Busca, E. Finocchio "Boron and Magnesium doped Nickel catalysts for ethanol and tars steam reforming"

10:10 – 10:30 S. Abate, G. Centi, S. Perathoner, S. Gentiluomo, F. Basile, D. Barbera, R. Mafessanti "Pd based membranes coupled with a CPO reactor for an energy-efficient process for syngas production"

10:30 – 11:00 coffee break, offered by Panalytical and Sasol

11:00 – 11:20 A. Carati, A. Bennardo, M. Cozzolino, C. Rizzo, S. Zanardi, E. Montanari "On the mixing/agitation role in the scale-up synthesis of zeolites"

11:20 – 11:40 B. Onida, S. Fiorilli, B. Camarota, P. Ugliengo "Acidic and basic groups at the surface of ordered mesoporous organosilicas"

11.40 – 12:00 M. Guidotti, C. Bisio, M. Merlano, F. Carniato, L. Marchese, R. Psaro "Nb-containing saponite clays for the oxidative degradation of chemical warfare agent simulants"

12:00 – 12:20 M. Alfè, V. Gargiulo, L. Lisi, R. Di Capua, A. Ciajolo "Production of conductive copper-based MOF/graphene-like hybrids"

12:20 – 12:40 N. Masciocchi, C. Giacobbe, F. Bertolotti, A. Maspero, S. Galli, A. Guagliardi "Structural and functional properties of porous metal-organic frameworks based on long rigid polypyrazolato ligands"

Session 6 (GIC & AIZ) New frontiers: bio-materials, nano-medicine, opto- and nano-electronics, multifunctional catalysts

Key-note Lecture

14:00 – 14:40 G. Calzaferri “Mimicking the antenna system of green plants by supramolecular organization of dyes in nanochannels”

Oral communications

14:40 – 15:00 M. Signoretto, E. Ghedini, V. Nichele, G. Cerrato, V. Aina, G. Cruciani “Nanoporous TiO_2: an effective carrier for the development of innovative drug delivery systems”

15.00 – 15.20 E. Casini, M. Sommariva, J. Bolze, A. Lolli, S. Bugani, F. Ospitali, S. Albonetti “X- ray scattering characterization of catalyst with a multi- purpose system: a case study on Au / Pd nanoparticles dispersed in water”

15:20 – 15:40 C.Tiozzo, M. Guidotti, A. Gervasini, P. Carniti “Nb/hydroxyapatite a new class of amphoteric systems for acid and redox catalysis”

15:40 – 16:00 C.E. Chan-Thaw, M. Dangate, N. Scotti, A. Gervasini, R. Psaro, F. Zaccheria, N. Ravasio “New generation biofuels: γ-valerolactone into valeric esters in one pot”

Poster session

1. M. Martinelli, C.G. Visconti, L. Lietti, P. Forzatti, C. Bassano, P. Deiana "Fischer-Tropsch synthesis from CO_2: Cobalt or Iron based catalysts ?"
2. A. Di Michele, C. Pirola, A. di Fronzo, A. Comazzi, F. Galli, C.L.Bianchi "Sonochemical synthesis of Co based bimetallic catalysts for Fischer-Tropsch synthesis"
3. C. Pirola, C. L. Bianchi, A. Di Fronzo, F. Manenti, M. Hillestad "High Fe Loaded Supported Catalysts for Biosyngas Fischer – Tropsch Conversion: experimental results and detailed simulation"
4. S. Andreoli, F.A. Deorsola, R. Pirone "Synthesis of nanostructured MnO_x for low-temperature NO_x SCR"
5. N. Usberti, M. Jabłońska, A. Beretta, L. Lietti, P. Forzatti, M. Di Blase, A. Morandi "A study of NH_3-SCO and NH_3-SCR over commercial V-based catalysts"
6. M. P. Ruggeri, I. Nova, E. Tronconi "Mechanistic study of standard SCR and NO oxidation to NO_2 on Fe-, Cu-promoted zeolites"
7. L. Righini, N. Artioli, L. Castoldi, L. Lietti, P. Forzatti "Isotopic studies of NO_x reduction over Pt-Ba/Al_2O_3 LNT catalyst"
8. M. Jabłońska, L. Chmielarz, A. Węgrzyn, P.W. Dunne, R.I. Walton "(Cu, Zn)-Mg-Al hydrotalcites as precursors of catalysts for selective ammonia oxidation into nitrogen and water vapour"
9. M. Jabłońska, A.E. Palomares, L. Chmielarz "Mg-(Zn)-Al-(Fe) and Mg-Co-Al hydrotalcite-like materials as catalysts for NO_x storage/reduction"
10. M. Jabłońska, T. Grzybek, L. Chmielarz, A. Węgrzyn, Z. Piwowarska, S. Witkowski "(Cu, Mn)-Mg-Al hydrotalcites as precursors of catalysts for selective reduction of nitrogen oxides"
11. V. Palma, P. Ciambelli, E. Meloni "MW Susceptible catalysed DPF for soot abatement: optimal catalyst load"
12. V. Palma, D. Barba, P. Ciambelli "V_2O_5/CeO_2 catalysts for biogas clean-up from H_2S at low temperature"
13. A. Damin, A. Budnyk, A. Zecchina and S. Bordiga "MoS_2 in Mesoporous Silica Glass: a model system for HDS catalyst"
14. D. Livio, A. Donazzi, C. Diehm, A. Beretta, G. Groppi, P. Forzatti "Effect of pressure on spatial profiles in the catalytic partial oxidation of hydrocarbon fuels"
15. F. Basile, G. Brenna, R. Faure, G. Fornasari, D. Gary, G.Malta, C. Molinari, A.Vaccari "Improved Cu-Zn-Al Catalysts for the Water Gas Shift Reaction at Middle Temperature"
16. F. Puleo, V. La Parola, G. Pantaleo, A. Martorana, E. Simonetti, S. McPhail, C. Paoletti, L. F. Liotta "Structural and electrical characterizations of nanostructured $La_{(1-x)}Sr_xFe_yCo_{(1-y)}O_{3-d}$ IT-SOFCs Cathodes"
17. D. Barbera, F. Basile, G. Fornasari, R. Mafessanti, A. Vaccari "Preparation of $Ce_{0.5}Zr_{0.5}O_2$ by water-in-oil microemulsion as catalytic support for H_2"
18. D. Di Domenico, C. Lucarelli, C. Molinari, S. Albonetti, A. Vaccari "Catalyst deactivation and regeneration in the fuel dehydrogenation to produce H_2"
19. S. Scirè, C. Crisafulli, R. Zito, A.M. Venezia "Carbon supported bimetallic Co-M (M=Pt, Pd, Ru) catalysts for H_2 production through $NaBH_4$ hydrolysis"
20. G. Trunfio, L. Spadaro, G. Berlier, E. Balantseva, F. Arena "Cadmium-sulfide systems obtained via different preparation methods for H_2 photo-production from water under visible light"
21. G. Ramis, E. Finocchio, V. Nichele, M. Signoretto, J. Lasso, I. Rossetti, A. Di Michele "Cobalt-based and Nichel-based catalysts for hydrogen production by steam reforming of ethanol"

22. V. Nichele, A. Iwanska, M. Signoretto, F. Menegazzo, I. Rossetti, G. Cruciani, F. Vindigni, G. Cerrato "Effect of CaO-doping on coke resistance of Ni/ZrO_2 catalysts in ethanol steam reforming"
23. J. Velasquez Ochoa, C. Trevisanut, J.M. Millet, G. Busca, F. Cavani "Study of the anaerobic oxidation of ethanol over ferrites by in-situ DRIFTS-MS"
24. M. Mari, F. Cavani, J.-M. Millet, C. Trevisanut, J. Velasquez Ochoa "The reactivity of spinel ferrites in the chemical-loop ethanol reforming"
25. D. Gazzoli, M.C. Campa, I. Luisetto, I. Pettiti, D. Pietrogiacomi, S. Tuti "Zirconia-supported Nickel catalysts for CO_2 reforming of Methane"
26. F. Santoro, F. Zaccheria, R. Psaro and N. Ravasio "Direct reductive amination of ketones or amination of alcohols over supported Cu catalysts"
27. G. Gliozzi, L. Frattini, F. Cavani "Acid catalyzed reaction of acetone and ammonia: towards a greener process for Triacetonamine synthesis"
28. D. Cespi, F. Passarini, E. Neri, I. Vassura, L. Ciacci, F. Cavani "Application of LCA methodology to a chemical process: the production of acrylonitrile by ammoxidation"
29. E. Rozhko, K. Raabova , F. Macchia, A. Malmusi, P. Righi, P. Accorinti, S. Alini, P. Babini, F. Cavani "The oxidation of 1,2-cyclohexanediol to adipic acid with oxygen catalyzed by supported Ruthenium Hydroxide: a study of the reaction scheme"
30. F. Cardona, G. D'Adamio, C. Parmeggiani, A. Goti "Aerobic oxidation of hydroxylamines to nitrones catalyzed by a supported gold catalyst"
31. J. Ertl, E. Cerri, D. Caretti "Towards green epoxy resins: Natural derivatives of diphenolic acid as substitutes for bisphenol-A"
32. C. Evangelisti, G. Fusini, A. Carpita, R. Psaro "Continuous flow Heck coupling reaction using MVS-derived Palladium nanoparticles deposited on polyvinylpyridine"
33. G. La Sorella, P. Canton, A. Scarso, G. Strukul "Micellar Driven Substrate Selectivity in the Selective Hydrogenation of α,β-Unsaturated Aldehydes Catalyzed by Palladium Nanoparticles in Water"
34. G.Bianchini, A. Scarso, A. Chiminazzo, L. Sperni, G. Strukul "Water enehanced synthesis of gem-bisphosphonates via Rh(I) mediated 1,4-conjugate addition of aryl boronic acids to vinylidenebisphosphonate esters"
35. S. Paganelli, O. Piccolo, F. Baldi, R. Tassini, V.D. Rathod, M. Gallo "Aqueous biphasic hydroformylation catalyzed by a new biogenerated rhodium catalyst"
36. A. Salvini, W. Oberhauser, I. Scodeller, L. Luconi "Synthesis of amines by homogeneous catalytic hydrogenation of imines and nitriles"
37. P. Benito, M. Gregori, G. Fornasari, M. Migani, S. Millefanti, F. Ospitali, S. Albonetti "Effect of the preparation method on properties of Pd/Cu MCM-41 catalyst"
38. L. Toniolo, G. Cavinato, A.M. Raspolli Galletti, C. Antonetti, M. Giannoni "Novel Palladium catalysts supported on polyketone and on polyketone/silica: characterization and catalytic activity"
39. D. Licursi, H. Gomez-Bernal, C. Antonetti, A.M. Raspolli Galletti, M. Martinelli "Biomass valorization to high furan liquids by heterogeneous catalysts. A green mineral acid-free approach"
40. A. F. Lombardo, F. Arena, G. Trunfio, C. Italiano, C. Deiana, Y. Sakhno, G. Martra "Heterogeneous oxides catalysts for direct amide synthesis"
41. G. Paul, F. Cavani, R. Rabaioli, H. Jörg Wölk, R. Clerici, L. Marchese "On the surface structure and acidity of amorphous silica-alumina (SIRAL®) catalysts: Joint vistas from Solid state NMR and catalytic activity studies"
42. M. Migliori, A. Macario, A. Aloise, E. Catizzone, G. Giordano "Effect of the Si/Al ratio on kinetic parameters for methanol to dimethylether over H-MFI catalyst"

43. R. Pizzi, P. Lanzafame, K. Barbera, S. Perathoner, G. Centi “Sulphated zirconia on SBA-15 as novel catalytic system for sustainable processes”
44. P. Ziosi, F. Cavani, S. Cocchi, P. Righi, T. Tabanelli “Carbonates as reactants for the production of fine chemicals: a greener way to 2-ethoxyphenol synthesis”
45. F. Verri, U. Diaz, A. Macario, A. Corma, G. Giordano “Hybrid organic-inorganic nanospheres: a new system for active and stable biocatalysts”
46. S. Candamano, A. Macario, P. Frontera, A. Aloise, F. Crea, P.L. Antonucci “Synthesis of ordered mesoporous silicoaluminophosphates for biodiesel production”
47. R. Turco, R. Vitiello, V. Russo, R. Tesser, E. Santacesaria, M. Di Serio “Selective epoxidation of soybean oil using acid ionic exchange resin in continuous reactor”
48. M. Armandi, S. Hernandez, S. Vankova, S. Zanarini, B. Bonelli, E. Garrone “Visible-light driven oxidation of water as catalyzed by Co-APO-5 in the presence of Ru sensitizer”
49. B. Gjoka, C. Whiteoak, C. Zonta, A. Kleij, G. Licini “Iron(III) amino triphenolate complexes as catalysts for CO_2 fixation”
50. A. Santaniello, M.G. Buonomenna, G. Golemme “Ideal vs. non-ideal effects in mixed matrix membrane modeling”
51. P. Lotti, G.D. Gatta, D. Comboni, M. Alvaro, F. Cámara, N. Rotiroti “Cancrinite-group minerals ([CAN]-framework type) at non-ambient conditions”
52. A. Alberti, A. Martucci, G. Cruciani “The crystal structure of a metastable phase in the GME→AFI reconstructive phase transition”
53. A. Policicchio, A. Aloise, A. Macario, G. Giordano, R.G. Agostino “Delaminated zeolite ITQ-6 for methane adsorption applications”
54. I. Capasso, C. Ferone, B.Liguori “Zeolitized tuff as raw material for alkali activated binders”
55. L. Catalanotti, B. Liguori, B. de Gennaro “SMZ as alternative adsorbent for arsenate removal from water”
56. A. Martucci, L. Pasti, L. Leardini, E. Sarti, R. Bagatin “Adsorption and location of methyl tertiary butyl ether onto organophilic ferrierite: a diffractometric, thermogravimetric and gas chromatographic study”
57. E. Sarti, L. Pasti, A. Martucci, D. Casotti “Adsorption of antibiotics by organophilic zeolites”
58. A.Scarlino, I. Pio, G.Mele, D. Santoro, E. Bloise, G. Vasapollo “Use of Fe-loaded natural zeolite for heterogeneous photo-Fenton and arsenic adsorption processes”
59. S. Salvestrini, P. Vanore, P. Iovino, S. Capasso “Adsorption of simazine on acid-activated clinoptilolitic tuff: adsorption isotherm and kinetics”
60. I. Yordanov, I. Karatchetseva, G. Thorogood, M. Avdeev, T. Hanley “Synthesis of nanosized crystals of zeolite A doped with Copper using the ionic complex $[(CH_3)_4N]^+_2[Cu(EDTA)]^{2-}$ as a templating agent via one-step synthesis approach”
61. D. Sannino, V. Vaiano, P. Ciambelli, D. Caracciolo, B. Naviglio, G. Calvanese “Ferrites and CeO_2 catalysts for the combustion of tannery sewage sludge”
62. G. Trunfio, F. Arena, G. Drago Ferrante, D. Lombardo, C. Italiano, L. Spadaro “Highly effective $MnCeO_x$ catalyst for the catalytic wet air oxidation of p-coumaric acid”
63. D. Sannino, V. Vaiano, G. Sarno, P. Ciambelli “Smart tiles coated with TiO_2-zeolite film”
64. S. Ortelli, M. Blosi, S. Albonetti, A. Vaccari, M. Dondi, A. L. Costa “Surface Properties and Photocatalytic Activity of nano-TiO_2 coatings for Self-Cleaning Textiles”