

Poster Session 2

- P2-01 C. Sposato, A. Macario, A. Aloise, G. Braccio, G. Giordano (Italy)
Application of different Metal Organic Framework materials for CO₂ adsorption
- P2-02 A. Zywert, S. Kowalak (Poland)
Encapsulation of indigo into zeolite inner voids
- P2-03 O. Benturki, A. Donnot (Algeria, France)
Preparation of activated carbon from jujuba seeds by chemical activation with ZnCl₂
- P2-04 A. Boucenna (Algeria)
Application of Catalysts NaA-Me zeolites and Al-Si-Me In the n-paraffin isomerization
- P2-05 S. Caes, N. Krins, J. C. Arrebola, C. Henrist, R. Cloots, B. Vertruyen (Belgium)
Preparation of mesoporous thin films of vanadium-oxide-based compounds
- P2-06 Tz. Babeva, I. Naydenova, R. Todorov, T. Yovcheva, S. Mintova, V. Toal (Bulgaria, Ireland, France)
Optical properties of zeolite doped acrylamide-based photopolymer system
- P2-07 L. Dimitrov, R. Palcheva, A. Spojakina, K. Jiratova (Bulgaria, Czech Republic)
NiW Hydrodesulfurization catalysts supported on mesoporous titanate nanotubes
- P2-08 B. Donkova, I. Stambolova, Vi. Blaskov, E. Mitkova, C. Dushkin (Bulgaria)
The photocatalytic properties of ZnO and Mn-doped ZnO thin films, obtained by sol-gel method and spray-pyrolysis
- P2-09 R. P. Nikolova, S. Bakardjieva, V. Kostov-Kytin, K. Fujiwara, N. Nakayama (Bulgaria, Czech Republic, Japan)
Temperature-induced phase transformations of the small-pore zirconosilicate Na₂ZrSi₂O₇.H₂O
- P2-10 V. Rangelova, M. Spassova, T. Spassov (Bulgaria)
Synthesis and hydrogen adsorption properties of M-MOF (M = Cu, Co, Ce)
- P2-11 P. Vasileva, I. Dimitrova, Ch. Chaney, C. Dushkin (Bulgaria)
Size Controlled Synthesis and Properties of Surface-Functionalized Monodisperse Silica Spheres for Analytical and Catalytic Applications
- P2-12 T.-Z. Ren, Z.-Y. Yuan (China)
Phosphated titania materials with a hierarchically meso-/macroporous structure for efficient photocatalysis
- P2-13 Z.-Y. Yuan, T.-Y. Ma, X.-J. Zhang (China)
Hierarchically meso-/macroporous titanium phosphonate materials for functional applications in adsorption and catalysis
- P2-14 L. Smoláková, L. Čapek, Š. Botková, R. Bulánek (Czech Republic)
The feasibility of N₂O as an oxidant for oxidative dehydrogenation of ethane using micro and mesoporous materials
- P2-15 V. V. Levdansky, J. Smolik, P. Moravec (Czech Republic)
Gas Flow In Nanoporous Membranes
- P2-16 M. Morozova, P. Kluson, J. Krysa, O. Solcova (Czech Republic)
The photoelectrocatalytic properties of thin TiO₂ electrode

- P2-17 V. Štengl, V. Houšková, S. Bakardjieva, N. Murafa, F. Opluštil (Czech Republic)
Photocatalytic decomposition of 3, 3-dimethyl-2-butyl methylphosphonofluoridate on titania
- P2-18 P. Topka, K. Soukup, J. Karban, O. Šolcová (Czech Republic)
Catalytic activity of Al-SBA-15 pellets with low content of additives in Friedel-Crafts alkylation
- P2-19 I. Fecheté, A. Djeddi, B. Donnio, O. Ersen, F. Garin (France)
Ti-MCM-48 Mesoporous Catalysts for Ring Opening of Methylcyclopentane
- P2-20 S. Boettcher, W. Reschetilowski (Germany)
Preparation of mesoporous supported platinum catalysts for the enantioselective liquid-phase hydrogenation of ethyl pyruvate
- P2-21 O. Busse, K. Räuohle, W. Reschetilowski (Germany)
Hydrocracking of vegetable oil using bifunctional, micro- and mesoporous catalyst systems
- P2-22 M. R. Mihályi, M. Kollár, I. Kolev, V. Mavrodinova (Hungary, Bulgaria)
Effect of mesopore formation on the acidity and catalytic behavior of zeolite ZSM 5
- P2-23 S. Soroush, H. V. Dastjerdi, M. Rezazadeh (Iran)
Titania coated Functionally Graded alumina membranes: synthesis and characterization
- P2-24 K. Bhattacharya, S. Mintova, I. Naydenova, H. J. Byrne (Ireland, France)
Cytotoxicological Assessment of Zeolite Nanoparticles
- P2-25 I. Naydenova, E. Leite, Tz. Babeva, S. Martin, V. Toal, S. Mintova (Ireland, France)
Holographic sensors in photopolymerisable nanocomposites containing zeolite nanoparticles
- P2-26 A. Macario, G. Giordano, B. Onida, D. Cocina, A. Tagarelli, A. M. Giuffrè (Italy)
Heterogeneous catalysts for third generation fuel production
- P2-27 T. Moteki, Y. Murakami, S. Noda, S. Maruyama, T. Okubo (Japan)
Synthesis of Single-Walled Carbon Nanotubes on Defined Surface of Layered Silicates and Zeolites
- P2-28 A. Nakatsuka, N. Iwasa, K. Fujiwara, N. Nakayama, T. Mizota (Japan)
Crystal structure of intermediate phase between the hydrated heulandite and its heat-collapsed phase (heulandite B)
- P2-29 T. Mokalled, H. El-Rassy, T. Coradin, M. Al-Ghoul (Lebanon, France)
Reaction-Diffusion Based Cosynthesis of Stable α - and β -Cobalt Hydroxide in Bio-Organic Gels
- P2-30 T. C. O. Mac Leod, M. V. Kirillova, M. A. Schiavon, M. D. Assis, A. J. L. Pombeiro (Portugal, Brasil)
Mild oxidation of alkanes and toluene catalyzed by Mn(salen) complex immobilized on PDMS membrane
- P2-31 I. Ciupitu, E. Vasile, E. Alexandrescu, R. Stancu, M. Hriscu (Romania)
Structural Aspects of Hybrid Electrodeposited Nanocomposites with Zn-base Alloy Matrix
- P2-32 P. Nikolov, K. Genov, B. Ivanov, K. Milenova, I. Avramova (Bulgaria)
Decomposition of ozone on mixed PdO-CeO₂/ZSM-5 catalyst

- P2-33 K. Genov, P. Nikolov, K. Milenova, P. Konova (Bulgaria)
Ozone decomposition over Ag-clinoptilolite catalyst at room temperature
- P2-34 C. Amairia, S. Fessi, A. Ghorbel (Tunisia)
Study of the effect of the zirconium precursor on the porosity and the catalytic properties of Pd/Al₂O₃-ZrO₂ catalysts
- P2-35 L. Ben Hamouda, A. Ghorbel (Tunisia)
Influence of Activation Conditions on the Catalytic Activity of Mesoporous Sulfated Zirconia during Isomerization Reactions
- P2-36 H. Najar, M. Saïd Zina, G. Delahay, A. Ghorbel (Tunisia, France)
Activity evaluation of palladium supported on dealuminated Y-zeolite by using N₂O reduction by NH₃
- P2-37 S. Raissi, M. K. Younes, A. Ghorbel (Tunisia)
Comparative study of textural structural and catalytic properties of aerogel and xerogel sulfated zirconia doped with chromium: n-hexane isomerisation
- P2-38 I. Leshchuk, N. Klymenko (Ukraine)
Biosorption of Uranium (VI) by Bacteria Bacillus polymyxa IMV 8910
- P2-39 M. Korniyenko, V. Shevchenko, V. Makara, D. Krasnozhen (Ukraine)
Fractal structure of oxide layer in nanostructured porous silicon
- P2-40 S. S. Simeonova, M. G. Evstatiev (Bulgaria)
Applying of the MFC Concept for Manufacturing of Biodegradable Scaffolds
- P2-41 N. M. Al-Otaibi, F. F. Al-Anazi (Saudi Arabia)
Aromatization of Isobutene using a physical mixture of ZSM-5 zeolite with different metal oxides
- P2-42 J. A. Stride, M. A. Nadeem (Australia)
A three-dimensional metal-organic framework with wave like chains showing high thermal stability and antiferromagnetic behaviour
- P2-43 L. F. Berti, P. Santos, E. Bazzo, R. Janssen, D. Hotza,
C. R. Rambo (Brazil, Germany)
Porous Ceramic Structures for Capillary Pumped Loops
- P2-44 M. Boutros, J.-M. Trichard, P. Da Costa (France)
Mesoporous silver/Al-SBA-15 and their catalytic activity for reduction of NO_x by ethanol
- P2-45 I. Fechete, B. Donnio, A. Djeddi, D. Ihiwakrim, F. Garin (France)
Redox Mesoporous Catalyst Prepared by Ion Exchange Method
- P2-46 R. Leyva-Ramos, N. A. Medellin-Castillo, J. Mendoza Barron,
R. M. Guerrero-Coronado (Mexico)
Adsorption of Fluoride from Drinking Water onto Bone Char
- P2-47 M. K. Kovalev, Yu. V. Patrushev, V. N. Sidel'nikov,
P. A. Zaikin, M. S. Mel'gunov (Russia)
A Capillary gas chromatography columns with film based on periodic mesoporous organosilicas
- P2-48 M. Sriuttha, W. Tongpoothorn, S. Chanthai, C. Ruangviriyachai (Thailand)
Activated Carbon from Mangosteen (Garcinia Mangostana L.) Shell

- P2-49 Y. Türker, H. İ. Okur, C. Albayrak, Ö. Dag (Turkey)
Synthesis of Mesostructured Metal Sulfide and Metal Selenide Thin Films Using Lyotropic Liquid Crystalline Mesophases and Mesostructured Metal Oxides
- P2-50 K. M. S. Khalil, M. M. Khalaf, A. A. Elsamahy (Egypt)
Mesoporous Fe₂O₃/MCM-41 nanocomposite via non hydrothermal surfactant template method in presence and absence of a co-surfactant
- P2-51 K. Bachari, A. Touileb, N. Tahir, A. Saadi, D. Halliche, O. Cherifi (Algeria)
Catalytic tertiary butylation of phenol using Al-SBA-15 synthesized by microwave-hydrothermal process
- P2-52 E. I. Basaldella, M. S. Legnoverde, G. P. Romanelli (Argentina)
Amino grafted SBA-15 mesoporous silica as a reusable catalyst for the mild chemoselective acylation of amines
- P2-53 G. Onyestyák (Hungary)
Cyclohexane reforming on platinum-mordenite catalysts
- P2-54 S. Ramello, M. Salvalaggio, R. Buzzoni, G. Girotti (Italy)
Catalytic performances and FT-IR spectroscopic characterization of copper modified zeolite-based materials
- P2-55 A. Yu. Eltekov, N. A. Eltekova, Yu. A. Eltekov (Russia)
Characterization of Carbon Porous Structure by Macromolecular Porosimetric Method
- P2-56 A. Yu. Eltekov, N. A. Eltekova (Russia)
Sieve Properties of Silica Sorbents for Proteins
- P2-57 M. Mhamdi, F. Ayari, A. Ghorbel, G. Delahay (Tunisia, France)
Selective Catalytic Reduction of NO_x by NH₃ on V-Mo-ZSM-5 catalysts: Influence of the molybdenum precursor salts on molybdenum speciation and catalytic properties
- P2-58 H. Ben Boubaker, A. Ghorbel (Tunisia)
Activity evolution study of the Co-ZSM-5 catalyst in ethane ammoxidation
- P2-59 S. Fessi, C. Amairia, A. Ghorbel (Tunisia)
Advanced Pd_xZr_y-ZSM-5 Catalysts For VOCs Oxidation
- P2-60 M. N. Timofeeva, M. S. Mel'gunov, M. E. Malyshev (Russia)
Characterization and catalytic application of Fe,Al-mesoporous silica synthesized via sol-mesophase route under mild acidic conditions using FeAl₁₂-Keggin type cation as Al and Fe sources
- P2-61 Z. Salehi, A. Moheb, S. Roudpeyma, T. Mohammadi (Iran)
Modelling of pervaporation separation of organic-organic mixtures through polymeric membranes by using UNIFAC equation
- P2-62 M. Soleymani, A. Moheb, E. Joudaki (Iran)
Hydrogen Peroxide Decomposition over La_{1-x}Ca_xMnO₃ Perovskites
- P2-63 J. Akl, T. Ghaddar, A. Ghanem, H. El-Rassy (Lebanon)
Highly porous cobalt ferrite aerogels obtained via an epoxide sol-gel route
- P2-64 R. Al-Oweini, J. Akl, L. Abramian, H. El-Rassy (Lebanon)
Immobilization of polyoxometalates onto mesoporous silica and silica-titania aerogels
- P2-65 R. Vataj, M. Sadiku, I. Gebefügi, P. Schmitt-Kopplin, S. Valange, S. Walter, Z. Gabelica (Kosova, Germany, France)
Unique detergent properties of a natural clay from Kosovo: symbiotic effect involving layered hosts and natural amphiphilic guests?

- P2-66 I. Gebefügi, P. Schmitt-Kopplin, N. Hertkorn,
S. Walter, Z. Gabelica (Germany, France)
*Specific sorption of complex organic mixtures from river waters on layered silicates
and zeolites: an ICR-FTMS investigation on a molecular level*
- P2-67 H. Liu, U. Schubert (Austria)
Novel MOFs Materials Based on a Spherosilicate
- P2-68 M. A. Islam (United Arab Emirates)
*Electrostatic Properties of Maghemite ($\gamma\text{-Fe}_2\text{O}_3$) Nanocrystalline Quantum Dots
Determined by Electrophoretic Deposition*
- P2-69 V. Vasilache, S. Gutt, T. Vasilache, G. Gutt (Romania)
Studies about magneto-optic properties of electrodeposited nickel layers
- P2-70 I. B. Borodina, O. A. Ponomareva, V. V. Yuschenko, F. Fajula, I. I. Ivanova (Russia,
France)
*New route for ethylcyclohexylbenzene synthesis over metal containing zeolite
catalysts*
- P2-71 F. Fakhfakh, L. Baraket, A. Ghorbel, J. M. Fraile, J. A. Mayoral (Tunisia, Spain)
*Bis(oxazoline) ligand immobilized on mesoporous silica supports as heterogeneous
catalysts for the enantioselective cyclopropanation*
- P2-72 A. Mehri, H. Kochkar, S. Daniele, V. Mendez,
G. Berhault, A. Ghorbel (Tunisia, France)
*One-pot deposition of palladium on hybrid TiO_2 nanoparticles:
Application in a reaction of hydrogenation of cinnamaldehyde*