

Poster Session 1

- P1-01 B. Banaś, V. Pashkova, M. Derewiński (Poland)
Assembling protozeolitic nanoclusters of MFI type into a mesostructured material of wormhole-layered arrangement
- P1-02 E. Janiszewska, J. Borkowska, S. Kowalak (Poland)
Preparation of ordered porous silica and aluminosilicates with oligosaccharides as porogeneous materials
- P1-03 V. Nesterenko (Belarus)
Synthesis and Investigation of New Materials – Cation-replaced Zeolite Forms
- P1-04 S. J. C. Arrebola, N. Krins, S. Caes, R. Cloots, C. Henrist, B. Vertruyen (Belgium)
Electrochemical behavior of mesoporous thin films of VNbO₅ cathode material
- P1-05 N. Drenchev, E. Ivanova, M. Mihaylov, K. Hadjiivanov, T. Spassov (Bulgaria)
Coordination Chemistry of Copper Ions in BasoliteTM C 300 (C₁₈H₆Cu₃O₁₂): an FTIR Spectroscopic Study
- P1-06 V. Idakiev, T. Tabakova, J.-L. Cao, K. Tenchev, T.-Z. Ren, Z.-Y. Yuan (Bulgaria, China)
Hierarchically mesoporous Ce-doped titanium oxides supported nanosized gold particles for water-gas shift reaction
- P1-07 V. Kostov-Kytin, S. Meleshevych, N. Petrova, R. Nikolova (Bulgaria, Ukraine)
Sorption ability of nanosized GTS-1 depending on the synthesis conditions
- P1-08 C. C. Ng (China)
Selective laser sintering of magnesium powders for fabrication of porous structures
- P1-09 A. Palčić, J. Bronić, V. Valtchev, B. Subotić (Croatia, France)
Effect of autocatalytic nucleation on synthesis of zeolite A from hydrogel
- P1-10 C. Kosanović, K. Havancsák, B. Subotić, V. Svetličić, T. Mišić, Á. Cziráki, G. Huhn (Croatia, Hungary)
A comparison of the structural characteristics of the hydrogels used for the synthesis of LTA and MFI zeolites
- P1-11 R. Bulánek, F. Frolich, P. Nachtigall (Czech Republic)
A role of bridged adsorption complexes in alkali-metal exchanged zeolites on adsorption thermodynamics

- P1-12 V. Štengl, V. Houšková, S. Bakardjieva, N. Murafa (Czech Republic)
Synthesis of mesoporous titania by homogeneous hydrolysis of titania oxo-sulfate in the presence of cationic and anionic surfactants
- P1-13 S. Krejčíková, L. Matejová, O. Solcova, L. Capek (Czech Republic)
Titania nanofilms and their doped equivalents
- P1-14 M. N. Timofeeva, S. Ts. Khankhasaeva, V. N. Panchenko, E. Ts. Dashinamzhiłova, Yu. A. Chesalov, S. V. Tsibulya (Russia)
The effect of synthesis parameters on textural and catalytic properties of Fe,Al- and Fe,Cu,Al-pillared clays
- P1-15 E. Kassab, M. Castellà-Ventura, Y. Akacem (France, Algeria)
Theoretical Study of 4,4'-Bipyridine Adsorption on the Brønsted Acid Sites of H-ZSM-5 Zeolite
- P1-16 P. St. Petkov, G. P. Petrova, G. N. Vayssilov, N. Rösch (Bulgaria, Germany)
Density Functional Modeling of H₂ Adsorption on Small Transition Metal Clusters in the Gas Phase or Supported on Dehydroxylated Zeolite
- P1-17 R. Knoerr, I. Yordanov, V. De Waele, M. Mostafavi, S. Mintova (France)
Pt / Pd clusters in microporous nanocrystals stabilized in films and suspensions
- P1-18 B. Moulin, A. Vimont, M. Daturi, L. Gaberova, P. Llewellyn, L. Picone, P. Wright (France, UK)
Infrared characterization of Cu-SAPO-STA7 using CO and NO as probe molecules
- P1-19 K.-L. Wong, T. H. Meztger, S. Mintova (France)
Formation of CdS clusters within organo-functionalized MFI nanoporous materials
- P1-20 S. Fibikar, L. De Cola (Germany)
Zeolite L Nanocontainers. A structural modification.
- P1-21 A. Schlossbauer, D. Schaffert, D. Fried, J. Kecht, E. Wagner, T. Bein (Germany)
Click Chemistry for High-Density Biofunctionalization of Mesoporous Silica
- P1-22 S. Ntais, A. Moschovi, V. Dracopoulos, V. Nikolakis (Greece)
Encapsulation of Low Temperature Ionic Liquids in Zeolites: A Vibrational Spectroscopy Study
- P1-23 R. Zukerman, L. Vradman, L. Titelman, L. Zeiri, M. V. Landau, M. Herskowitz (Israel)
High loading of TiO₂ in SBA-15 matrix: Effect of silica wall microporosity on the NO_x SCR performance and the crystal size determined by Raman
- P1-24 S. Chavan, F. Bonino, C. Lamberti, S. Bordiga, E. Groppo, J. G. Vitillo, L. Valenzano, B. Civalier, A. Zecchina, P. D. C. Dietzel, K. Sumida (Italy),

- Norway, USA)
Role of the exposed metal sites in adsorptive properties of $M_2(\text{DOBDC})$: combined use of experimental results and ab initio modelling.
- P1-25 M. G. Cutrufello, E. Rombi, C. Cannas, M. Casu, S. Fiorilli, B. Onida, I. Ferino (Italy)
Functionalized SBA-15 as a support for Au nanoparticles: modifications induced by the preparation procedure
- P1-26 S. Fiorilli, B. Camarota, D. Perrachon, M. C. Bruzzoniti, B. Onida (Italy)
Acidic functional groups incorporated in ordered mesoporous materials: a comparison among different host matrices
- P1-27 O. Zavorotynska, J. G. Vitillo, G. Spoto, A. Zecchina (Italy)
Adsorption of hydrogen, methane and hydrogen/methane mixtures on Na-A zeolites: a FTIR spectroscopic study at variable (300-20 K) temperature.
- P1-28 K. Fujiwara, T. Shiode, K. Sugimoto, A. Nakatsuka, N. Nakayama, R. P. Nikolova, V. Kostov-Kytin (Japan, Bulgaria)
Hydration State of GTS-type Titanosilicate $(\text{K,Na,H})_4\text{Ti}_4\text{Si}_3\text{O}_{16}\cdot n\text{H}_2\text{O}$ Fine Particles
- P1-29 N. Nakayama, K. Fujiwara, T. Shiode, K. Sugimoto, A. Nakatsuka, R. P. Nikolova, V. Kostov-Kytin (Japan, Bulgaria)
TEM Study on the Microstructures of GTS-type Titanosilicate $(\text{K,Na,H})_4\text{Ti}_4\text{Si}_3\text{O}_{16}\cdot n\text{H}_2\text{O}$ Fine Particles
- P1-30 T. Ohgushi, M. Katoh, K. Matsushita, M. Sawame, T. Hattori (Japan)
Changes of Properties of K,Ca-L Zeolite Caused by Heat-Treatment
- P1-31 S. Alfaro, C. Rodriguez, M. A. Valenzuela, P. Bosch (México)
Synthesis and characterization of zeolites type Li-ABW
- P1-32 T. Yasmin (Pakistan)
Preparation of highly porous chitosan beads by ScCO_2 method
- P1-33 M. Barczak (Poland)
Structural and adsorption properties of SBA-16 organosilicas functionalized by co-condensation route
- P1-34 P. Borowski, K. Pilorz, M. Barczak (Poland)
Theoretical assistance in the interpretation of the FT-IR and Raman spectra of SBA-15 organosilicas
- P1-35 H. Grajek, J. Paciura-Zadrożna, Z. Witkiewicz (Poland)
Chromatographic characterisation of ordered mesoporous silicas
- P1-36 J. Żołądek, J. J. Milczarek, I. Fijał-Kirejczyk (Poland)
Neutron Radiography Studies of Water Migration in Clinoptilolite Beds
- P1-37 Z. Y. Wu, Z. Lin (Portugal)
A Facile Route to Synthesize Mesoporous Oxide Substituted Silica

- P1-38 L. Chen, A. Laaksonen (Sweden)
Adsorption of CO₂ on propylamino modified amorphous silica surface
- P1-39 M. Fisch, T. Armbruster (Switzerland)
Microporous CsAlSi₅O₁₂ at non-ambient conditions
- P1-40 N. Patdhanagun, S. Hengrasmee, K. Rangriwatananon (Thailand)
Modified Zeolite NaY by Phenyl Trimethyl Ammonium Bromide for Ethylene Adsorption
- P1-41 N. El Hassan, I. Lopes, S. Casale, P. Massiani, C. Thomas, A. Davidson, R. Palacio, P. Ayrault, J. Barrault, S. Valange (France)
SBA-type silica of hierarchical porosity to elaborate improved heterogeneous Co-based catalysts
- P1-42 Y. Turker, O. Dag (Turkey)
Synthesis of Mesoporous Cd_{1-x}M_xS (M = Zn(II), Co(II) or Mn(II)) Thin Films: Syntheses and Characterization
- P1-43 O. Adiguzel (Turkey)
Microstructure Modifications in Martensite Phase of Copper Based Shape Memory Alloys
- P1-44 I. Chepurna, V. Kanibolotskyy, V. Strelko, S. Meleshevych (Ukraine)
Mesoporous spherically granulated sulfated zirconium dioxide synthesized by sol-gel method
- P1-45 S. Meleshevych, O. Oleksienko, V. Kalenchuk, V. Kanibolotskyy, V. Strelko, I. Chepurna (Ukraine)
Porous titanosilicates synthesized from titanilsulfate by sol-gel method
- P1-46 E. R. Lachter, M. de Castro Reis, R. A. da Silva San Gil (Brazil)
New route to prepare mesoporous niobium phosphate
- P1-47 S. Sklenak, J. Dedecek, C. Li, F. Gao, J. Sauer (Czech Republic, Germany)
Aluminum Siting in Frameworks of Silicon Rich Zeolites. A Combined High Resolution ²⁷Al 3Q MAS NMR and DFT/MM investigation
- P1-48 M. Jeffroy, C. Nieto, A. Boutin (France)
Aluminum siting in cationic zeolites: a molecular simulation study
- P1-49 F. Luhez, I. Yordanov, S. Mintova, H. Vezin, O. Poizat, A. Moissette (France)
Spectroscopic investigation of the photochemical formation and growth of silver nanoclusters in zeolite nanoparticles
- P1-50 A. Trouvé, I. Batonneau-Gener, S. Valange, M. Guidotti, M. Sgobba, S. Mignard (France, Italy)
Tuning the hydrophobicity and the pore size of mesoporous solids for selective adsorption of organic pollutant in wastewater

- P1-51 F. Carniato, L. Tei, W. Dastrù, L. Marchese, M. Botta (Italy)
Relaxivity Modulation in Gd-Functionalized Mesoporous Silicas
- P1-52 Z. Y. Wu, Y. F. Tao, Z. Lin, L. Liu, X. X. Fan, Y. Wang (Portugal, China)
Hydrothermal Synthesis and Morphological Evolution of Mesoporous Titania-Silica
- P1-53 I. F. Golovnev, E. I. Golovneva, V. M. Fomin (Russia)
Molecular-dynamics modeling of thermodynamics of nano-length scale metal alloy clusters
- P1-54 P. A. Pyrjaev, M. E. Malyshev, V. I. Zaikovskii, T. V. Larina, M. S. Mel'gunov, B. L. Moroz, V. I. Bukhtiyarov (Russia)
Facile preparation of active Au/SBA-15 catalysts via adsorption of cationic Au(III) complexes
- P1-55 E. A. Trusova (Russia)
Factors determining morphology of the mesoporous metal-silicates during template synthesis
- P1-56 S. I. Tsyganova, A. D. Tsyganov, T. N. Patrusheva (Russia)
Evolution of carbon porous structure during carbonization of the modified plant raw materials
- P1-57 R. Y. Chan, H. C. Peng, S. L. Cheng, A. S. T. Chiang (Taiwan)
Re-growth of zeolite microcrystal monolayer under steaming
- P1-58 L. Akhalbedashvili, G. Todradze, N. Kekelidze, Keheyana, G. Yertsyan, R. Gevorkian (Georgia, Italy, Armenia)
Ionexchange Properties of Irradiated Clinoptilolite regarding to Cs⁺ and Sr²⁺
- P1-59 L. Akhalbedashvili, N. Kekelidze, R. Mirianashvili (Georgia)
EPR study of some modified clinoptilolites from deposit of Georgia
- P1-60 J. Rakoczy, K. Wieczorek Ciurowa, E. Migdał (Poland)
Zeolite structure effect on the activity and selectivity of cyclohexane isomerization process
- P1-61 K. Bachari, A. Touileb, N. Tahir, A. Saadi, D. Halliche, O. Cherifi (Algeria)
Synthesis, Characterization, and Catalytic performance of mesoporous Cr-HMS-n for benzylation of benzene and substituted benzenes
- P1-62 S. Legnoverde, E. I. Basaldella, R. M. Torres Sanchez (Argentina)
Cephalexin adsorption onto SBA-15 mesoporous silica
- P1-63 G. Onyestyák (Hungary)
Solid-state ion-exchange dynamics of Cd²⁺ cations in zeolites
- P1-64 S. Ramello, R. Borrelli, R. Buzzoni, T. Fiorani, F. Rivetti, F. Vago, G. Girotti (Italy)

Deactivation and catalyst choice in cumene production by one-step alkylation of benzene with acetone and hydrogen

- P1-66 F. Ayari, M. Mhamdi, G. Delahay, A. Ghorbel (Tunisia, France)
Influence of the zeolite topology on chromium speciation and catalytic properties of chromium exchanged zeolite in the ammoxidation of ethylene to acetonitrile
- P1-67 H. Ben Boubaker, S. Fessi, A. Ghorbel (Tunisia)
In situ-characterisation of the Co-ZSM-5 catalyst synthesis
- P1-68 S. Fessi, A. Ghorbel, A. Rives, R. Hubaut (Tunisia, France)
Advanced Pd/Al₂O₃-La₂O₃ catalysts prepared with the mesoporous texture control by sol-gel method
- P1-69 M. Soleymani, A. Moheb, E. Joudaki (Iran)
Synthesis and characterization of nano-porous La_{0.6}Ca_{0.4}MnO₃ perovskite oxide with large surface area by modified citrate gel precursor method
- P1-70 M. Barmala, A. Moheb, R. Emadi (Iran)
Optimization of the synthesis condition of nano-porous alumina membrane by slip casting method
- P1-71 L. Abramian, H. El-Rassy (Lebanon)
Mesoporous titania aerogel as adsorbent for azo-dye Orange II from wastewater: A kinetic and thermodynamic study
- P1-72 H. Ramadan, T. Coradin, H. El-Rassy (Lebanon, France)
Hybrid silica-polyacrylamide aerogels: Synthesis and application in decontamination of wastewaters from heavy metals
- P1-73 I. C. Jiang, L. Song, L. Sun, F. Xu, J. Zhang, W. You, Z. Gabelica (France, China)
Solvothermal synthesis and characterization of two new Lithium-based Metal-Organic Frameworks
- P1-74 S. Walter, R. Vataj, S. Freitag, A. Hadj-Mebarek, Z. Gabelica (France)
The role of surface energy in the nucleation and growth limitation of high surface materials from liquid media
- P1-75 S. Wuttke, E. Kemnitz, A. Vimont, M. Daturi (France, Germany)
Sol-gel prepared magnesium fluoride phases - a new class of tunable acid-base catalysts