

MS-10. Porous and architected materials

8 September, 17:00 - 19:00 / 9 September, 16:30 - 18:30

MS-10-P-1574

Mesoscale ordering of porous CNT compacts and its effects on conductance

Presenting author: **Gnanasekaran K.**

Authors: Gnanasekaran K., de With G., Friedrich H.

MS-10-P-1615

Atomic Scale Analysis of Cs⁺ Captured within Zeolitic Framework

Presenting author: **Yoshida K.**

Authors: Yoshida K., Toyoura K., Matsunaga K., Nakahira A., Kurata H., Ikuhara Y. H., Sasaki Y.

MS-10-P-1616

Plasmonic Nanopores Observed by Scanning Transmission Electron Microscope Cathodoluminescence

Presenting author: **Sannomiya T.**

Authors: Sannomiya T., Junesch J., Shi J., Nakamura Y., Yamamoto N.

MS-10-P-1710

How to image the atomic structure of Ag-exchanged FAU-Y and FAU-X zeolites by using aberration corrected transmission electron microscopy

Presenting author: **Altantzis T.**

Authors: Altantzis T., Coutino-Gonzales E., Martinez G. T., Roeffaers M. B., Hofkens J., Béch e A., Bals S., Van Tendeloo G.

MS-10-P-1771

Si/Al ratio control of zeolita beta

Presenting author: **Urbina De Navarro C. .**

Authors: Urbina de Navarro C. ., Ortega N., L pez C., Garc a L.

MS-10-P-1823

Structural characterization of empty and ion exchanged natural HEU-type zeolites

Presenting author: **Filippousi M.**

Authors: Filippousi M., Turner S., Katsikini M., Pinakidou F., Kantiranis N., Van Tendeloo G.

MS-10-P-2053

Twinning in the structure of zeolite ITQ-39

Presenting author: **Kapaca E.**

Authors: Kapaca E., Willhammar T., Wan W., Zou X., Moliner M., Gonzalez J., Martinez C., Rey F., Corma A.

MS-10-P-2449

Electron microscopy study of supercritical fluidselectrodeposition of mesoporous silica templates

Presenting author: **Kashtiban R. J.**

Authors: Kashtiban R. J., Beanland R., Sloan J., Cummings C., Robertson, C., Richardson, P., Hector A. L., Smith D. C., Bartlett P. N.

MS-10-P-2495

Atomic resolution analysis of beam sensitive ordered porous materials

Presenting author: **Mayoral A.**

Authors: Mayoral A., Anderson P. A., Coronas J., Sanchez M., Diaz I.

MS-10-P-2534

3D Multiscale characterization of silica aerogel composites

Presenting author: **Perret A.**

Authors: PERRET A., FORAY G., ROIBAN L., MASENELLI-VARLOT K., MAIRE E., ADRIEN J., YRIEIX B.

MS-10-P-2540

Structural analysis of Cu nanowires deposited into porous Al₂O₃ via supercritical fluid electrodeposition

Presenting author: **Marks S.**

Authors: Marks S., Kashtiban R., Smith D., Cook D., Cummings C., Beanland R., Sloan J.

MS-10-P-2564

Low Dose Microscopy of Porous Prussian Blue Analogue Materials for Hydrogen Storage

Presenting author: **Calderon H. A.**

Authors: Calderon H. A., Huerta A., Reguera E., Kisielowski C.

MS-10-P-2693

Investigation of the bonding behavior and chemical stability of silica-based nanotubes and their 3D mesocrystals

Presenting author: **Dennenwaldt T.**

Authors: Dennenwaldt T., Sedlmaier S. J., Binek A., Schnick W., Scheu C.

MS-10-P-3042

Amorphous Silicon-coatings with high amount of closed porosity

Presenting author: **Schierholz R.**

Authors: Schierholz R., Lacroix B., Caballero-Hernández J., Godinho V., Duchamp M., Fernández A.

MS-10-P-3184

Microstructural characterization of artificially aged mortars with different additives using mercury intrusion porosimetry and scanning electron microscopy

Presenting author: **Petráňová V.**

Authors: Petráňová V., Nunes C. L., Niedoba K., Křivánková D., Valach J.

MS-10-P-3213

Electron microscopy study of metal-dielectric nanostructures based on porous silicon applied as Surface-Enhanced Raman Scattering substrates.

Presenting author: **Bejtka K.**

Authors: Bejtka K., Virga A., Giorgis F., Rivolo P., Descrovi E., Angelini A., Novara C., Ricci A., Geobaldo F., Pirri C. F., Chiodoni A.

MS-10-P-3437

Advanced Electron Microscopy to Characterize the Hierarchical Three-Dimensional Morphology of Porous Solids

Presenting author: **Chakravadhanula K. V.**

Authors: Stoeckel D., Kübel C., Chakravadhanula K. V., Hormann K., Prang R., Scherer T., Smarsly B. M., Tallarek U.

MS-10-P-3453

Morphological and chemical characterization of sandstone from Constantine, North-East of Algeria.

Presenting author: **Benguedouar M.**

Authors: Benguedouar M., Boucheur M., Benabbas C.,

MS-10-P-3515

Multidomain analysis of porous silica media

Presenting author: **Thersleff T.**

Authors: Thersleff T., Sjöström C., Norberg P., Magnusson J., Larsson A., Leifer K.

MS-10-P-3519

New Analytical Developments for powder characterization

Presenting author: **Brackx E.**

Authors: Brackx E., Pages S., Dugne O., Tissot N., Cabie M., Podor R., Lahaye M., Remy E.

MS-10-P-3525

A novel structure of aluminium phosphate zeolite solved by RED (Rotation Electron Diffraction)

Presenting author: **Peng F.**

Authors: Peng F., Chen H., Sun J.

MS-10-P-5746

Formation and characterization of the epoxy resin - porous glass interphases

Presenting author: **Ostrowski A.**

Authors: Ostrowski A., Byrne H. J., Sanctuary R.

MS-10-P-5782

EFTEM and EDX analytical electron tomography of silica alumina supports for catalysts

Presenting author: **Roiban L.**

Authors: Roiban L., Lepinay K., Lorut F., Gay A. S., Sorbier L., Ersen O., Epicier T.,

MS-10-P-5827

Microstructural response of in situ formed nickel-graphite composites to phase separation

Presenting author: **Ukhina A. V.**

Authors: Ukhina A. V., Dudina D. V., Bokhonov B. B., Anisimov A. G., Mali V. I.