Inge Rörig-Dalgaard - Research outputs - DTU Orbit (18/05/2019)

Time dependent dissolution of NaCl and Na2SO4 in microscale studied by means of a balance and build-in microscope in a DVS
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2018 › Research › peer-review

Salt crystallization tests: Focus on their objective
Research output: Contribution to conference › Paper – Annual report year: 2017 › Research › peer-review

High accuracy calibration of a dynamic vapor sorption instrument and determination of the equilibrium humidities using single salts
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Influence of pH during chemical weathering of bricks: Long term exposure
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Research output: Book/Report › Book – Annual report year: 2016 › Research › peer-review

Analysis of possible influence on pigments after applied electrochemical desalination
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Further developments of a poultice for electrochemical desalination of porous building materials: minimization of side effects
Rörig-Dalgaard, I., 2015, In : Materials and Structures. 48, 6, p. 1901-1917
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Desalination of salt damaged Obernkirchen sandstone by an applied DC field
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Determination of the deliquesce point in double salts and in in-situ multicomponent salts with DVS equipment
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Possible weathering of the brick matrix when exposed to water
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Transition at the deliquesce point in single salts
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review
Development of a poultice for electrochemical desalination of porous building materials: desalination effect and pH changes
Rörig-Dalgaard, I., 2013, In : Materials and Structures. 46, 6, p. 959-970
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Microscopic investigation of side effects after electrochemical desalination
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2013 › Research › peer-review

Determination of the deliquence point in salt mixtures by utilizing the dynatic vapour sorption method
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Diffusion and electromigration in clay bricks influenced by differences in the pore system resulting from firing
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Electrochemical desalination of salt infected limestone masonry of a historic warehouse
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

First experiences with electrochemical in-situ desalination of bricks in a church vault construction
Rörig-Dalgaard, I., 2012, Proceedings of the 8th International Conference on Structural Analysis of Historical Constructions. p. 897-904
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Electrochemical desalination of the ionic mixture measured in the vault of Rørby Church - Laboratory scale
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Electrochemical NaCl extraction from brick+lime mortar - design of the used historical lime mortar
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2010 › Research › peer-review

Preservation of murals with electrokinetic - with focus on desalination of single bricks

Desalination for preservation of murals by electromigration and regulated climate
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

Desalination of a brick by application of an electric DC field
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review
Electrochemical repair
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2009 › Research › peer-review

**METHOD AND DEVICE FOR REMOVING AN IONIC IMPURITY FROM BUILDING STRUCTURES**

Saltudtrækning med elektrokemi: Metode til bevaring af malede overflader (kalkmalerier)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2009 › Research › peer-review

**Annual Report 2007**
Research output: Book/Report › Report – Annual report year: 2008 › Communication

Bevaring af kalkmalerier på murede kirkehvælv ved saltudtrækning med elektromigration - belyst ved laboratorieforsøg
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Desalination of a wall section with murals by electromigration
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research

Electrochemical desalination of cotta-sandstone
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

Electrochemical removal of salts from masonry - Experiences from pilot scale
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Re-impregnation of wood with a Cu-anode
Ottosen, L. M., Christensen, I. V. & Rörig-Dalgaard, I., 2008.
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research › peer-review

Salt Weathering on Buildings and Stone Sculptures
Research output: Book/Report › Book – Annual report year: 2008 › Research › peer-review

Utilization of electromigration in civil and environmental engineering - Processes, transport rates and matrix changes
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review
Drying brick masonry by electro-osmosis - small pilot plant
Research output: Contribution to conference › Poster – Annual report year: 2007 › Research › peer-review

Electrokinetic removal of Ca(NO3)2 from bricks to avoid salt induced decay
Research output: Contribution to journal › Conference article – Annual report year: 2007 › Research › peer-review

Preservation of murals on salt loaded masonry vaults by electromigration
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Salt-related problems in brick masonry and electrokinetic removal of salts
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Utilization of electromigration in civil and environmental engineering
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research › peer-review

Drying brick masonry by electro-osmosis
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Electrokinetic removal of salt from brick masonry
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2006 › Research › peer-review

Salt Induced Decay of Masonry and Electrokinetic Repair
Research output: Contribution to conference › Poster – Annual report year: 2005 › Research