Publications:

Perfusion vector - a new method to quantify myocardial perfusion scintigraphy images: a simulation study with validation in patients
Publication: Research - peer-review › Journal article – Annual report year: 2015

A Novel Automated Platform for Quantifying the Extent of Skeletal Tumour Involvement in Prostate Cancer Patients Using the Bone Scan Index
Publication: Research - peer-review › Journal article – Annual report year: 2012

Automated segmentation of the skeleton in whole-body bone scans: influence of difference in atlas
Publication: Research - peer-review › Journal article – Annual report year: 2012

Computer-aided diagnosis system for bone scintigrams from Japanese patients: importance of training database
Publication: Research - peer-review › Journal article – Annual report year: 2012

Normal stress databases in myocardial perfusion scintigraphy – how many subjects do you need?
Publication: Research - peer-review › Journal article – Annual report year: 2012

An Automated System for the Detection and Diagnosis of Kidney Lesions in Children from Scintigraphy Images
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Automatic Compartment Modelling and Segmentation for Dynamical Renal Scintigraphies
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

On the regularization path of the support vector domain description
Publication: Research - peer-review › Journal article – Annual report year: 2010

Small Differences in Attenuation-Corrected Images between Men and Women in Myocardial Perfusion Scintigraphy: A Novel Normal Stress Database
Publication: Research - peer-review › Conference article – Annual report year: 2010

Automated decision support for bone scintigraphy
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Statistical Regularization of Deformation Fields for Atlas-Based Segmentation of Bone Scintigraphy Images
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

A generalization of voxel-wise procedures for highdimensional statistical inference using ridge regression
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Multiscale Hierarchical Support Vector Clustering
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

White matter changes contribute to corpus callosum atrophy in the elderly: The LADIS study
Publication: Research - peer-review › Journal article – Annual report year: 2008
Regularized Statistical Analysis of Anatomy
Publication: Research › Ph.D. thesis – Annual report year: 2007

A path algorithm for the support vector domain description and its application to medical imaging
Publication: Research - peer-review › Journal article – Annual report year: 2007

Hierarchical linear modeling (HLM) of longitudinal brain structural and cognitive changes in alcohol-dependent individuals during sobriety
Publication: Research - peer-review › Journal article – Annual report year: 2007

Ischemic Segment Detection using the Support Vector Domain Description
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

KEYNOTE ADDRESS: Predicting clinical outcome from image derived morphological
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Robust Pseudo-Hierarchical Support Vector Clustering
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Sparse Decomposition and Modeling of Anatomical Shape Variation
Publication: Research - peer-review › Journal article – Annual report year: 2007

Sparse Statistical Deformation Model for the Analysis of Craniofacial Malformations in the Crouzon Mouse
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Corpus Callosum Partitioning Schemes and Their Effect on Callosal Morphometry
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

On the Alignment of Shapes Represented by Fourier Descriptors
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Sparse Modeling of Landmark and Texture Variability using the Orthomax Criterion
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Sparse PCA, a new method for unsupervised analyses of fMRI data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

Sparse Principal Component Analysis in Medical Shape Modeling
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

The entire regularization path for the support vector domain description
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

A Database of Registered, Textured Models of the Human Face
Publication: Research - peer-review › Report – Annual report year: 2005

Matlab implementation of LASSO, LARS, the elastic net and SPCA
Publication: Research - peer-review › Computer programme – Annual report year: 2005

Building a 3-D Appearance Model of the Human Face
Publication: Research › Article in proceedings – Annual report year: 2003
Projects:

Automated Characterization and Recognition of 2D and 3D Brain Structure in MRI for Diagnostic Support
Project: PhD