

Bayesian Image Super Resolution

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[Neuroimaging Core](#)

Real-time in vivo dosimetry system based on an optical fiber-coupled micro-sized photostimulable phosphor for stereotactic body radiation therapy. External validation of a hidden Markov model for ...

[Institute of Virtual Manufacturing](#)

In this article we demonstrate the use of a Bayesian spatial – temporal susceptible-exposed-infected-removed (SEIR) model with spatial geo-referencing at small area (MSOA) resolution in England by ...

[Modelling and predicting the spatio-temporal spread of COVID-19, associated deaths and impact of key risk factors in England](#)

Please feel free to write comments on this post on whatever topic you like! (As usual, please avoid personal insults of each other, vulgarities aimed at each other or at third parties, or other ...

[Almost a FIFTH of new mothers suffer from OCD triggered by a fear of their baby being harmed, study finds](#)

DLBI: deep learning guided Bayesian inference for structure ... Real-time single image and video super-resolution using an efficient sub-pixel convolutional neural network. In Proc.

Undergraduate Courses

Digital pathology involves the conversion of tissue samples from glass slides to digital images, improving diagnostic efficiency ... Recent advances, such as super-resolution imaging with the ability ...

The mycoplasma surface proteins MIB and MIP promote the

dissociation of the antibody-antigen interaction
Inferences from general insurance data. Experience rating. Credibility theory: full credibility, partial credibility, Bayesian credibility. Estimation of loss distributions. Modelling loss ...

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Comparative host-coronavirus protein interaction networks reveal pan-viral disease mechanisms

1 Quantitative Biosciences Institute (QBI) COVID-19 Research Group (QCRG), San Francisco, CA 94158, USA. 2 QBI, University of California, San Francisco, CA 94158, USA. 3 Department of Cellular and ...

Deep learning-based point-scanning super-resolution imaging

Najm, Sandia National Laboratories, is being recognized for pioneering contributions to uncertainty quantification and the use of Bayesian methods in physical ... including conservation laws, kinetics ...

PloS one

S2B), and further processed in RELION 3.0.7 (table S1).

A cryo-EM map of the MIB 83-S759A MIP 82-Fab complex was obtained with an overall resolution of 2.8 Å (fig. S2, C to G, and table S1). MIB 83, ...

Medical physics

In addition to high resolution images of brain anatomy (structural MRI or sMRI), both ... different retinal depths as the focal plane is adjusted. The system utilizes a super-continuum laser source to ...

Objectives of The Warren Alpert Center

After giving birth to her son, August, last month, Princess Eugenie has been sharing the odd snippet of the adorable little one on Instagram – and to celebrate her 31st birthday yesterday, she ...

[Princess Eugenie just shared adorable new photos of August](#)

S2A). Three-dimensional (3D) image reconstructions yielded two distinct structural maps—a 3.5-Å-resolution map of a postfusion gB – SM5-1 Fab complex and a 3.6-Å-resolution map of a prefusion gB – SM5-1 ...

In recent studies, the analysis of the test has been considerably improved by using Digital Image Correlation ... In particular, a back propagation algorithm with Bayesian regularization is employed

... Prefusion structure of human cytomegalovirus glycoprotein B and structural basis for membrane fusion

These questions included: 'Have you had thoughts or images that your baby might stop breathing?' and 'Have you had thoughts, images or impulses of intentionally hitting your baby too hard when ...

Thursday Open Thread

Generating evidence on screening, diagnosis and management of non-communicable diseases during pregnancy; a scoping review of current gap and practice in India with a comparison of Asian context.