

DIEGO SALAS GONZÁLEZ

Grupo de Investigación: **SIGNAL PROCESSING AND BIOMEDICAL APPLICATIONS (Cod.: TIC218)**

Departamento: Universidad de Granada. Teoría de la Señal Telemática y Comunicaciones

Citas en Google Scholar: https://scholar.google.es/citations?user=Se_ogpsAAAAJ&hl=es

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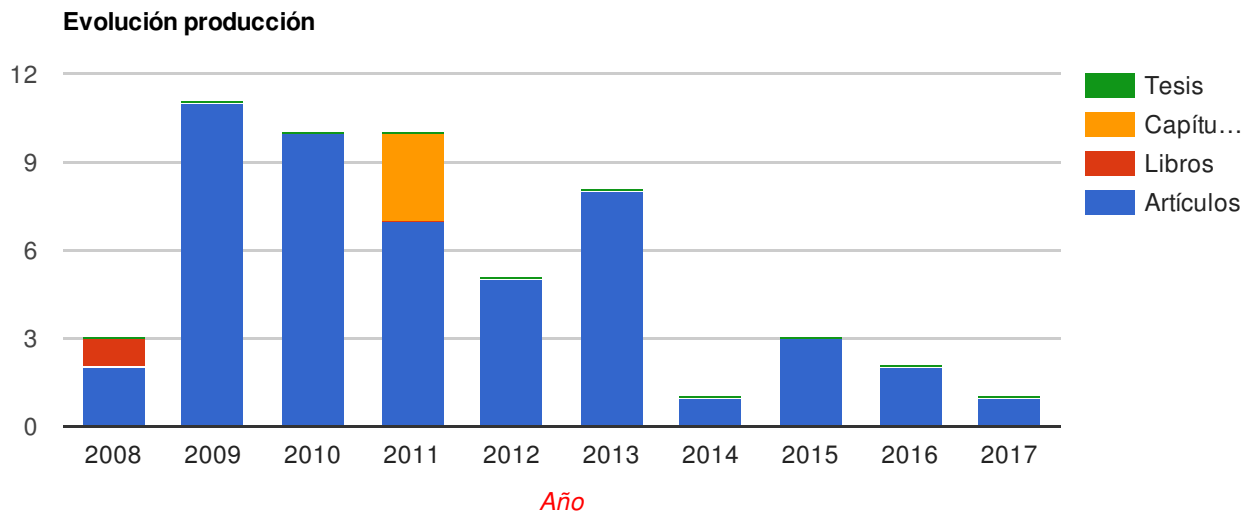
Código: 46424



Ficha del Directorio

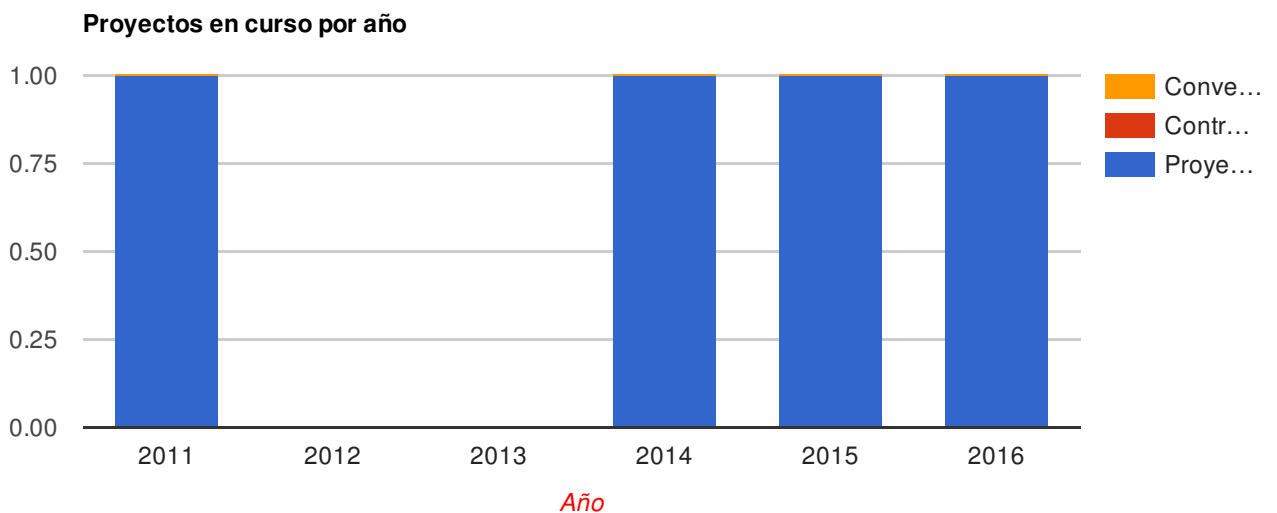
Producción 54

Artículos (50) Libros (1) Capítulos de Libros (3) Tesis dirigidas (0)



Proyectos dirigidos 2

Proyectos (2) Contratos (0) Convenios (0)



Actividades 0

| Titulo publicación | Fuente | Tipo | Fecha |
|--|--|-------------------|-------|
| A semi-supervised learning approach for model selection based on class-hypothesis testing | Expert systems with applications | Articulo | 2017 |
| An optimal approach for selecting discriminant regions for the diagnosis of alzheimer's disease | Current alzheimer research | Articulo | 2016 |
| Functional biomedical images of alzheimer's disease. a green's function-based empirical mode decomposition study | Current alzheimer research | Articulo | 2016 |
| Building a fp-cit spect brain template using a posterization approach | Neuroinformatics | Articulo | 2015 |
| Comparison between different intensity normalization methods in 123i-ioflupane imaging for the automatic detection of parkinsonism | Plos one | Articulo | 2015 |
| Intensity normalization in the analysis of functional datscan spect images: the alpha-stable distribution-based normalization method vs other approaches | Neurocomputing | Articulo | 2015 |
| Improving mr brain image segmentation using self-organizing maps and entropy-gradient clustering | Information sciences | Articulo | 2014 |
| Computer aided diagnosis of alzheimer's type dementia combining support vector machines and discriminant set of features | Information sciences | Articulo | 2013 |
| Early diagnosis of alzheimer's disease based on partial least squares and support vector machine | Expert systems with applications | Articulo | 2013 |
| Improving mri segmentation with probabilistic ghsom and multiobjective optimization | Neurocomputing | Articulo | 2013 |
| Improving the convergence rate in affine registration of pet and spect brain images using histogram equalization | Computational and mathematical methods in medicine | Articulo | 2013 |
| Linear intensity normalization of fp-cit spect brain images using the alpha-stable distribution | Neuroimage | Articulo | 2013 |
| Parameterization of the distribution of white and grey matter in mri using the alpha-stable distribution | Computers in biology and medicine | Articulo | 2013 |
| Segmentation of brain mri using som-fcm-based method and 3d statistical descriptors | Computational and mathematical methods in medicine | Articulo | 2013 |
| Two fully-unsupervised methods for mr brain image segmentation using som-based strategies | Applied soft computing | Articulo | 2013 |
| A comparative study of feature extraction methods for the diagnosis of alzheimer's disease using the adni database | Neurocomputing | Articulo | 2012 |
| Bilateral symmetry aspects in computer-aided alzheimer's disease diagnosis by single-photon emission-computed tomography imaging | Artificial intelligence in medicine | Articulo | 2012 |
| Computer aided diagnosis tool for alzheimer's disease based on mann-whitney-wilcoxon u-test | Expert systems with applications | Articulo | 2012 |
| Nmf-svm based cad tool applied to functional brain images for the diagnosis of alzheimer's disease | IEEE transactions on medical imaging | Articulo | 2012 |
| Unsupervised neural techniques applied to mr brain image segmentation | Advances in artificial neural systems | Articulo | 2012 |
| 18f-fdg pet imaging analysis for computer aided alzheimer's disease diagnosis | Information sciences | Articulo | 2011 |
| A comparison between univariate and multivariate supervised learning for classification of spect images | Recent advances in biomedical signal processing | Capítulo de libro | 2011 |
| Computer aided diagnosis of alzheimer's disease using component based svm | Applied soft computing | Articulo | 2011 |
| Efficient mining of association rules for the early diagnosis of alzheimer's disease | Physics in medicine and biology | Articulo | 2011 |

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|---|---|-------------------|------|
| Functional brain image preprocessing for computer aided diagnosis systems | Recent advances in biomedical signal processing | Capítulo de libro | 2011 |
| Functional image classification techniques for early alzheimer's disease detection | Recent advances in biomedical signal processing | Capítulo de libro | 2011 |
| Gmm based spect image classification for the diagnosis of alzheimer's disease | Applied soft computing | Articulo | 2011 |
| Mr brain image segmentation by hierarchical growing som and probability clustering | Electronics letters | Articulo | 2011 |
| Principal component analysis-based techniques and supervised classification schemes for the early detection of alzheimer's disease | Neurocomputing | Articulo | 2011 |
| Two approaches for selecting set of voxels for the diagnosis of alzheimer's using brain spect images | Digital signal processing | Articulo | 2011 |
| Alzheimer's disease detection in functional images using 2d gabor wavelet analysis | Electronics letters | Articulo | 2010 |
| Analysis of spect brain images for the diagnosis of alzheimer's disease based on nmf for feature extraction | Neuroscience letters | Articulo | 2010 |
| Alzheimer's disease detection in functional images using 2d gabor wavelet analysis | | Articulo | 2010 |
| Classification of functional brain images using a gmm-based multi-variate approach | Neuroscience letters | Articulo | 2010 |
| Computer aided diagnosis system for the alzheimer's disease based on partial least squares and random forest spect image classification | Neuroscience letters | Articulo | 2010 |
| Computer-aided diagnosis of alzheimer's disease using support vector machines and classification trees | Physics in medicine and biology | Articulo | 2010 |
| Classification of functional brain images using a gmm-based multi-variate approach | Neuroscience letters | Articulo | 2010 |
| Feature selection using factor analysis for alzheimer's diagnosis using f-fdg pet images | Medical physics | Articulo | 2010 |
| Modelling with mixture of symmetric stable distributions using gibbs sampling | Signal processing | Articulo | 2010 |
| Projecting independent components of spect images for computer aided diagnosis of alzheimer's disease | Pattern recognition letters | Articulo | 2010 |
| A heavy-tailed empirical bayes method for replicated microarray data: statistical genetics & statistical genomics: where biology, epistemology, statistics, and computation collide | Computational statistics | Articulo | 2009 |
| Alzheimer's diagnosis using eigenbrains and support vector machines | Electronics letters | Articulo | 2009 |
| Analysis of spect brain images for the diagnosis of alzheimer's disease using moments and support vector machines | Neuroscience letters | Articulo | 2009 |
| Automatic selection of rois in functional imaging using gaussian mixture models | Neuroscience letters | Articulo | 2009 |
| Automatic tool for alzheimer's disease diagnosis using pca and bayesian classification rules | Electronics letters | Articulo | 2009 |
| Finite mixture of $[\alpha]$ -stable distributions | Digital signal processing | Articulo | 2009 |
| Modelling and assessing differential gene expression using the alpha-stable distribution | | Articulo | 2009 |
| Spect image classification using random forests | Electronics letters | Articulo | 2009 |
| Svm-based cad system for early detection of the alzheimer's disease using kernel pca and lda | Neuroscience letters | Articulo | 2009 |

alzheimer using kernel pca and svm

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|--|--|----------|------|
| Svm-based computer-aided diagnosis of the alzheimer's disease using t-test nmse feature selection with feature correlation weighting | Neuroscience letters | Articulo | 2009 |
| Svm-based computer-aided diagnosis of the alzheimer's disease using t-test nmse feature selection with feature correlation weighting | | Articulo | 2009 |
| Improved gauss-newton optimisation methods in affine registration of spect brain images | Electronics letters | Articulo | 2008 |
| Laboratorio de física, fundamentos físicos de la ingeniería | Copicentro granada, s.l. | Libros | 2008 |
| Neural networks and principal component analysis applied to automatic radar target recognition based on natural resonances | International journal of computer science & applications | Articulo | 2008 |

| | Título proyecto | Tipo | Inicio | Fin |
|---|--|-------------|---------------|------------|
| 1 | Brain image processing with alpha-stable distributions. | Proyecto | 7/16/14 | 7/15/16 |
| 2 | Bayesian segmentation of magnetic resonance images using the alpha-stable distribution | Proyecto | 3/1/11 | 10/31/11 |

Actividades 0

| Título actividad | Fuente | Tipo | Fecha |
|-------------------------|---------------|-------------|--------------|
|-------------------------|---------------|-------------|--------------|

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- JUAN MANUEL GORRIZ SAEZ (46)
- Ignacio Alvarez Illan (34)
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- ROSA MARÍA CHAVES RODRÍGUEZ (20)
- CARLOS GARCIA PUNTONET (13)
- PABLO PADILLA DE LA TORRE (13)
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