David Augusto Cardenas PeÃ±a

List of Publications by Year
in descending order

41 papers	686 citations	1163117 8 h-index	610901 24 g-index
44 all docs	44 docs citations	44 times ranked	1125 citing authors

#	Article	IF	Citations
1	Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: The CADDementia challenge. NeuroImage, 2015, 111, 562-579.	4.2	266
2	Evaluation of segmentation methods on head and neck <scp>CT</scp>: Autoâ€segmentation challenge 2015. Medical Physics, 2017, 44, 2020-2036.	3.0	198
3	Waterpixels. IEEE Transactions on Image Processing, 2015, 24, 3707-3716.	9.8	85
4	Selection of time-variant features for earthquake classification at the Nevado-del-Ruiz volcano. Computers and Geosciences, 2013, 51, 293-304.	4.2	23
5	Centered Kernel Alignment Enhancing Neural Network Pretraining for MRI-Based Dementia Diagnosis. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-10.	1.3	17
6	Instance-Based Representation Using Multiple Kernel Learning for Predicting Conversion to Alzheimer Disease. International Journal of Neural Systems, 2019, 29, 1850042.	5.2	15
7	Classification of Categorical Data Based on the Chi-Square Dissimilarity and t-SNE. Computation, 2020, 8, 104.	2.0	11
8	Enhanced Data Representation by Kernel Metric Learning for Dementia Diagnosis. Frontiers in Neuroscience, 2017, 11, 413.	2.8	9
9	Direct multiphase mesh generation from 3D images using anisotropic mesh adaptation and a redistancing equation. Computer Methods in Applied Mechanics and Engineering, 2016, 309, 288-306.	6.6	8
10	Random Fourier Features-Based Deep Learning Improvement with Class Activation Interpretability for Nerve Structure Segmentation. Sensors, 2021, 21, 7741.	3.8	8
11	Local binary fitting energy solution by graph cuts for MRI segmentation. , 2013, 2013, 5131-4.		6
12	Supervised kernel approach for automated learning using General Stochastic Networks. Engineering Applications of Artificial Intelligence, 2018, 68, 10-17.	8.1	6
13	A Kernel-Based Representation to Support 3D MRI Unsupervised Clustering. , 2014, , .		4
14	Multiple Kernel Stein Spatial Patterns for the Multiclass Discrimination of Motor Imagery Tasks. Applied Sciences (Switzerland), 2020, 10, 8628.	2.5	4
15	Adaptive Bayesian label fusion using kernel-based similarity metrics in hippocampus segmentation. Journal of Medical Imaging, 2019, 6, 1.	1.5	4
16	A Discriminative Multi-Output Gaussian Processes Scheme for Brain Electrical Activity Analysis. Applied Sciences (Switzerland), 2020, 10, 6765.	2.5	3
17	Tdnn-Based Engine In-Cylinder Pressure Estimation from Shaft Velocity Spectral Representation. Sensors, 2021, 21, 2186.	3.8	3
18	Kernel-Based Phase Transfer Entropy with Enhanced Feature Relevance Analysis for Brain Computer Interfaces. Applied Sciences (Switzerland), 2021, 11, 6689.	2.5	3

#	Article	IF	Citations
19	Influence of anisotropic white matter modeling on EEG source localization. , 2014, 2014, 4920-3.		2
20	Multiple-Instance Lasso Regularization via Embedded Instance Selection for Emotion Recognition. Lecture Notes in Computer Science, 2019, , 244-251.	1.3	2
21	Estimating Directed Phase-Amplitude Interactions from EEG Data through Kernel-Based Phase Transfer Entropy. Applied Sciences (Switzerland), 2021, 11, 9803.	2.5	2
22	Tensor-product kernel-based representation encoding joint MRI view similarity. , 2014, 2014, 3897-900.		1
23	Supervised Brain Tissue Segmentation Using aÂSpatially Enhanced Similarity Metric. Lecture Notes in Computer Science, 2015, , 398-407.	1.3	1
24	Multiple Instance Learning Selecting Time-Frequency Features for Brain Computing Interfaces. Lecture Notes in Computer Science, 2018, , 326-333.	1.3	1
25	Relevance of Common Spatial Patterns Ranked by Kernel PCA in Motor Imagery Classification. Lecture Notes in Computer Science, 2019, , 13-20.	1.3	1
26	Sparse-Based Feature Selection for Discriminating Between Crops and Weeds Using Field Images. Lecture Notes in Computer Science, 2019, , 357-364.	1.3	1
27	Kernel-based Atlas Image Selection for brain tissue segmentation. , 2014, 2014, 2895-8.		0
28	Functional Protein Prediction Using HMM Based Feature Representation and Relevance Analysis. Advances in Intelligent Systems and Computing, 2014, , 71-76.	0.6	0
29	Spatial-Dependent Similarity Metric Supporting Multi-atlas MRI Segmentation. Lecture Notes in Computer Science, 2015, , 300-308.	1.3	0
30	Relevance of Filter Bank Common Spatial Patterns Using Multiple Kernel Learning in Motor Imagery. Lecture Notes in Computer Science, 2018, , 210-218.	1.3	0
31	Detecting EEG Dynamic Changes Using Supervised Temporal Patterns. Lecture Notes in Computer Science, 2018, , 351-358.	1.3	0
32	Sub Band CSP Using Spatial Entropy-Based Relevance in MI Tasks. Lecture Notes in Computer Science, 2018, , 334-341.	1.3	0
33	Entropy-Based Relevance Selection of Independent Components Supporting Motor Imagery Tasks. Lecture Notes in Computer Science, 2018, , 359-367.	1.3	0
34	Multimodal Alzheimer Diagnosis Using Instance-Based Data Representation and Multiple Kernel Learning. Lecture Notes in Computer Science, 2018, , 201-209.	1.3	0
35	HAPAN: Support Tool for Practicing Regional Anesthesia in Peripheral Nerves. Lecture Notes in Computer Science, 2019, , 130-137.	1.3	0
36	Linear Projection Learned from Hybrid CKA for Enhancing Distance-Based Classifiers. Lecture Notes in Computer Science, 2019, , 100-108.	1.3	0

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37	Information-Based Cost Function for a Bayesian MRI Segmentation Framework. Lecture Notes in Computer Science, 2015, , 548-556.	1.3	0
38	Magnetic Resonance Image Selection for Multi-Atlas Segmentation Using Mixture Models. Lecture Notes in Computer Science, 2015, , 391-399.	1.3	0
39	MRI-Based Feature Extraction Using Supervised General Stochastic Networks in Dementia Diagnosis. Lecture Notes in Computer Science, 2017, , 363-373.	1.3	0
40	Supervised Relevance Analysis for Multiple Stein Kernels for Spatio-Spectral Component Selection in BCI Discrimination Tasks. Lecture Notes in Computer Science, 2019, , 620-628.	1.3	0
41	Interpretable Diagnosis of ADHD Based on Wavelet Features and Logistic Regression. Lecture Notes in Computer Science, 2021, , 424-433.	1.3	0