Addisson Salazar

List of Publications by Year
in descending order

96	924	430874	580821
papers	**citations**	18	25
		h-index	**g-index**

103	103	103	524
all docs	**docs citations**	**times ranked**	**citing authors**

#	Article	IF	Citations
1	Generative Adversarial Networks and Markov Random Fields for oversampling very small training sets. Expert Systems With Applications, 2021, 163, 113819.	7.6	58
2	Fusion of Scores in a Detection Context Based on Alpha Integration. Neural Computation, 2015, 27, 1983-2010.	2.2	49
3	Learning material defect patterns by separating mixtures of independent component analyzers from NDT sonic signals. Mechanical Systems and Signal Processing, 2010, 24, 1870-1886.	8.0	43
4	A general procedure for learning mixtures of independent component analyzers. Pattern Recognition, 2010, 43, 69-85.	8.1	42
5	On the fusion of non-independent detectors. , 2016, 50, 24-33.		36
6	Multiclass Alpha Integration of Scores from Multiple Classifiers. Neural Computation, 2019, 31, 806-825.	2.2	34
7	Semi-Supervised Learning For Imbalanced Classification Of Credit Card Transaction. , 2018, , .		32
8	On including sequential dependence in ICA mixture models. Signal Processing, 2010, 90, 2314-2318.	3.7	30
9	On Recovering Missing Ground Penetrating Radar Traces by Statistical Interpolation Methods. Remote Sensing, 2014, 6, 7546-7565.	4.0	28
10	Pattern recognition techniques for provenance classification of archaeological ceramics using ultrasounds. Pattern Recognition Letters, 2020, 135, 441-450.	4.2	28
11	Blind source separation for classification and detection of flaws in impact-echo testing. Mechanical Systems and Signal Processing, 2005, 19, 1312-1325.	8.0	27
12	Semi-Supervised Bayesian Classification of Materials with Impact-Echo Signals. Sensors, 2015, 15, 11528-11550.	3.8	26
13	Estimating the Laplacian matrix of Gaussian mixtures for signal processing on graphs. Signal Processing, 2018, 148, 241-249.	3.7	26
14	Combination of multiple detectors for EEG based biometric identification/authentication. , 2012, , .		24
15	Probabilistic Distance for Mixtures of Independent Component Analyzers. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1161-1173.	11.3	24
16	Multichannel dynamic modeling of non-Gaussian mixtures. Pattern Recognition, 2019, 93, 312-323.	8.1	24
17	Automatic credit card fraud detection based on non-linear signal processing. , 2012, , .		23
18	Surrogate techniques for testing fraud detection algorithms in credit card operations. , 2014, , .		23

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19	Vector score alpha integration for classifier late fusion. Pattern Recognition Letters, 2020, 136, 48-55.	4.2	23
20	ICA Mixtures Applied to Ultrasonic Nondestructive Classification of Archaeological Ceramics. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	22
21	Semi-blind source extraction of atrial activity by combining statistical and spectral features. , 2011, 21, 391-403.		19
22	Estimation of the Number of Endmembers in Hyperspectral Images Using Agglomerative Clustering. Remote Sensing, 2020, 12, 3585.	4.0	19
23	On Statistical Pattern Recognition in Independent Component Analysis Mixture Modelling. Springer Theses, 2013, , .	0.1	19
24	Signal processing on graphs for improving automatic credit card fraud detection. , 2017, , .		18
25	A New Surrogating Algorithm by the Complex Graph Fourier Transform (CGFT). Entropy, 2019, 21, 759.	2.2	18
26	Computing the Partial Correlation of ICA Models for Non-Gaussian Graph Signal Processing. Entropy, 2019, 21, 22.	2.2	18
27	Learning Hierarchies from ICA Mixtures. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	14
28	Optimum Detection of Ultrasonic Echoes Applied to the Analysis of the First Layer of a Restored Dome. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.7	13
29	Combination of multiple detectors for credit card fraud detection. , 2016, , .		13
30	Image Applications of Agglomerative Clustering Using Mixtures of Non-Gaussian Distributions. , 2015, , .		12
31	Detection of signals of unknown duration by multiple energy detectors. Signal Processing, 2010, 90, 719-726.	3.7	11
32	Effect of exploitation and exploration on the innovative as outcomes in entrepreneurial firms. International Entrepreneurship and Management Journal, 2018, 14, 1053-1069.	5.0	11
33	Nonlinear estimators from ICA mixture models. Signal Processing, 2019, 155, 281-286.	3.7	11
34	ICA Model Applied to Multichannel Non-destructive Evaluation by Impact-Echo. Lecture Notes in Computer Science, 2004, , 470-477.	1.3	9
35	Automatic simultaneous measurement of phase velocity and thickness in composite plates using iterative deconvolution. NDT and E International, 2014, 66, 117-127.	3.7	9
36	Blind detection of nonlinearities in multiple-echo ultrasonic signals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 637-647.	3.0	7

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37	Analysis of split-spectrum algorithms in an automatic detection framework. Signal Processing, 2012, 92, 2293-2307.	3.7	5
38	Source Separation of Astrophysical Ice Mixtures. Lecture Notes in Computer Science, 2006, , 368-375.	1.3	5
39	New Applications of Sequential ICA Mixtures Models Compared with Dynamic Bayesian Networks for EEG Signal Processing. , 2013, , .		4
40	Multichannel Signal Processing for Road Surface Identification. , 2020, , .		4
41	Innovative outcome through exploration and exploitation â€" Enablers, barriers and industrial property. European Journal of Management and Business Economics, 2022, 31, 40-56.	3.1	4
42	On Training Road Surface Classifiers by Data Augmentation. Applied Sciences (Switzerland), 2022, 12, 3423.	2.5	4
43	Split Spectrum processing applications for new composite materials imaging. , 2012, , .		3
44	Ultrasound-Based Density Estimation of Composites Using Water-Air Interface. Elektronika Ir Elektrotechnika, 2016, 22, .	0.8	3
45	Semi-supervised Learning for Dynamic Modeling of Brain Signals During Visual and Auditory Tests. , 2018, , .		3
46	Data fusion of ultrasound and GPR signals for analysis of historic walls. IOP Conference Series: Materials Science and Engineering, 2012, 42, 012008.	0.6	2
47	Mixtures of independent component analyzers for microarousal detection. , 2014, , .		2
48	Parallel approach to NNMF on multicore architecture. Journal of Supercomputing, 2014, 70, 564-576.	3.6	2
49	A New Graph Based Brain Connectivity Measure. Lecture Notes in Computer Science, 2019, , 450-459.	1.3	2
50	A Multisensor System for Road Surface Identification. , 2019, , .		2
51	A New Method for Fraud Detection in Credit Cards Based on Transaction Dynamics in Subspaces. , 2019, , .		2
52	Synchronized Multi-chain Mixture of Independent Component Analyzers. Lecture Notes in Computer Science, 2017, , 190-198.	1.3	2
53	New Perspectives of Pattern Recognition for Automatic Credit Card Fraud Detection. , 2018, , 4937-4950.		2
54	Validating the separability of independent components from NDE sonic signals. , 0, , .		1

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55	Wiener systems for reconstruction of missing seismic traces. , 2011, , .		1
56	Blind signal separation in distributed space-time coding systems using the FastICA algorithm. , 2011, , .		1
57	Nonlinear Prediction Based on Independent Component Analysis Mixture Modelling. Lecture Notes in Computer Science, 2011, , 508-515.	1.3	1
58	Prospective of the application of ultrasounds in archaeology. IOP Conference Series: Materials Science and Engineering, 2012, 42, 012010.	0.6	1
59	On comparing hard and soft fusion of dependent detectors. , 2012, , .		1
60	Studies on frequency selective iterative deconvolution algorithms applied to concrete imaging and characterization. , 2014, , .		1
61	Agglomerative clustering of defects in ultrasonic non-destructive testing using hierarchical mixtures of independent component analyzers. , 2014, , .		1
62	Study on the computational cost of EEG dynamic modeling methods. , 2016, , .		1
63	New Applications of Late Fusion Methods for EEG Signal Processing. , 2019, , .		1
64	Knowledge Discovery from E-Learning Activities. , 2008, , 173-198.		1
65	Mixtures of Independent Component Analyzers for EEG Prediction. Communications in Computer and Information Science, 2012, , 328-335.	0.5	1
66	Cultural Heritage Applications: Archaeological Ceramics and Building Restoration. Springer Theses, 2013, , 129-153.	0.1	1
67	Determining the number of endmembers of hyperspectral images using clustering. , 2020, , .		1
68	Fusion of Visual and Textual Features for Table Header Detection in Handwritten Text Images. , 2021, , .		1
69	Simultaneous analysis of fMRI and EEG biosignals: a multimodal fusion approach. , 2021, , .		1
70	Non-Parametric ICA reveals Learning Styles in Education Activities through the Web. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	0
71	Intelligent system for material quality control using impact-echo testing. , 2008, , .		0
72	Atrial Activity Extraction Based on Statistical and Spectral Features. Lecture Notes in Computer Science, 2009, , 451-458.	1.3	0

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73	Intelligent system for non-destructive evaluation of historic walls using Ground-Penetrating Radar. , 2010, , .		0
74	Defect characterization in steel alloys using the modified split-spectrum algorithm. , 2012, , .		0
75	Assessment of Historic Structures Based on GPR, Ultrasound, and Impact-Echo Data Fusion. Key Engineering Materials, 0, 569-570, 1210-1217.	0.4	0
76	Estimation of consolidation profiles for archaeological ceramics using ultrasonic signature. , 2014, , .		0
77	Unsupervised learning of non-Gaussian mixtures with temporal dependencies. , 2017, , .		0
78	Fusion Methods for Biosignal Analysis: Theory and Applications. Computational Intelligence and Neuroscience, 2017, 2017, 1-2.	1.7	0
79	A New Application of Ultrasound Signal Processing for Archaeological Ceramic Classification. , 2020, , .		0
80	A New Detector Based on Alpha Integration Decision Fusion. Lecture Notes in Computer Science, 2021, , 178-189.	1.3	0
81	Editorial for the Special Issue â€œNew Advances on Sub-Pixel Processing: Unmixing and Mapping Methodsâ€. Remote Sensing, 2021, 13, 3807.	4.0	0
82	ICA Mixture Modeling for the Classification of Materials in Impact-Echo Testing. Lecture Notes in Computer Science, 2009, , 702-709.	1.3	0
83	Other Applications: Sequential Dependence Modelling and Data Mining. Springer Theses, 2013, , 155-172.	0.1	0
84	Learning Mixtures of Independent Component Analysers. Springer Theses, 2013, , 57-82.	0.1	0
85	Consolidation Degree Estimation by Means Ultrasonic Analysis in Simulated Constructive Historical Elements. , 2014, , 373-381.		0
86	An Experimental Sensitivity Analysis of Gaussian and Non-Gaussian Based Methods for Dynamic Modeling in EEG Signal Processing. , 2015, , 4028-4041.		0
87	Non-linear Least Mean Squares Prediction Based on Non-Gaussian Mixtures. Lecture Notes in Computer Science, 2017, , 181-189.	1.3	0
88	Combination of Multiple Classification Results Based on K-Class Alpha Integration. Lecture Notes in Computer Science, 2019, , 426-437.	1.3	0
89	Parallelization of an Algorithm for Automatic Classification of Medical Data. Lecture Notes in Computer Science, 2019, , 3-16.	1.3	0
90	New Perspectives of Pattern Recognition for Automatic Credit Card Fraud Detection. Advances in Information Security, Privacy, and Ethics Book Series, 2019, , 268-283.	0.5	0

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91	Fraud Detection Using Sequential Patterns from Credit Card Operations. Advances in Intelligent Systems and Computing, 2020, , 287-296.	0.6	0
92	New applications of an oversampling method based on generative adversarial networks. , 2020, , .		0
93	Image Similarity Based on Hierarchies of ICA Mixtures. , 2007, , 786-793.		0
94	Experimental Study of Hierarchical Clustering for Unmixing of Hyperspectral Images. , 2021, , .		0
95	Late Fusion for Improving Intrusion Detection in a Network Traffic Dataset. , 2021, , .		0
96	Improving classification of composite materials measured by ultrasounds using classifier combination. , 2021, , .		0