

Gonzalo Safont

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

557
citations

759233

12
h-index

794594

19
g-index

57
all docs

57
docs citations

57
times ranked

378
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	On the fusion of non-independent detectors. , 2016, 50, 24-33.		36
3	Multiclass Alpha Integration of Scores from Multiple Classifiers. Neural Computation, 2019, 31, 806-825.	2.2	34
4	Semi-Supervised Learning For Imbalanced Classification Of Credit Card Transaction. , 2018, , .		32
5	On Recovering Missing Ground Penetrating Radar Traces by Statistical Interpolation Methods. Remote Sensing, 2014, 6, 7546-7565.	4.0	28
6	Pattern recognition techniques for provenance classification of archaeological ceramics using ultrasounds. Pattern Recognition Letters, 2020, 135, 441-450.	4.2	28
7	Semi-Supervised Bayesian Classification of Materials with Impact-Echo Signals. Sensors, 2015, 15, 11528-11550.	3.8	26
8	Estimating the Laplacian matrix of Gaussian mixtures for signal processing on graphs. Signal Processing, 2018, 148, 241-249.	3.7	26
9	Combination of multiple detectors for EEG based biometric identification/authentication. , 2012, , .		24
10	Probabilistic Distance for Mixtures of Independent Component Analyzers. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1161-1173.	11.3	24
11	Multichannel dynamic modeling of non-Gaussian mixtures. Pattern Recognition, 2019, 93, 312-323.	8.1	24
12	Automatic credit card fraud detection based on non-linear signal processing. , 2012, , .		23
13	Surrogate techniques for testing fraud detection algorithms in credit card operations. , 2014, , .		23
14	Vector score alpha integration for classifier late fusion. Pattern Recognition Letters, 2020, 136, 48-55.	4.2	23
15	Estimation of the Number of Endmembers in Hyperspectral Images Using Agglomerative Clustering. Remote Sensing, 2020, 12, 3585.	4.0	19
16	Signal processing on graphs for improving automatic credit card fraud detection. , 2017, , .		18
17	A New Surrogating Algorithm by the Complex Graph Fourier Transform (CGFT). Entropy, 2019, 21, 759.	2.2	18
18	Computing the Partial Correlation of ICA Models for Non-Gaussian Graph Signal Processing. Entropy, 2019, 21, 22.	2.2	18

#	ARTICLE	IF	CITATIONS
19	Combination of multiple detectors for credit card fraud detection. , 2016, , .		13
20	Image Applications of Agglomerative Clustering Using Mixtures of Non-Gaussian Distributions. , 2015, , .		12
21	Nonlinear estimators from ICA mixture models. Signal Processing, 2019, 155, 281-286.	3.7	11
22	New Applications of Sequential ICA Mixtures Models Compared with Dynamic Bayesian Networks for EEG Signal Processing. , 2013, , .		4
23	Multichannel Signal Processing for Road Surface Identification. , 2020, , .		4
24	Semi-supervised Learning for Dynamic Modeling of Brain Signals During Visual and Auditory Tests. , 2018, , .		3
25	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
26	Mixtures of independent component analyzers for microarousal detection. , 2014, , .		2
27	A New Graph Based Brain Connectivity Measure. Lecture Notes in Computer Science, 2019, , 450-459.	1.3	2
28	A Multisensor System for Road Surface Identification. , 2019, , .		2
29	A New Method for Fraud Detection in Credit Cards Based on Transaction Dynamics in Subspaces. , 2019, , .		2
30	Synchronized Multi-chain Mixture of Independent Component Analyzers. Lecture Notes in Computer Science, 2017, , 190-198.	1.3	2
31	New Perspectives of Pattern Recognition for Automatic Credit Card Fraud Detection. , 2018, , 4937-4950.		2
32	Wiener systems for reconstruction of missing seismic traces. , 2011, , .		1
33	Nonlinear Prediction Based on Independent Component Analysis Mixture Modelling. Lecture Notes in Computer Science, 2011, , 508-515.	1.3	1
34	Prospective of the application of ultrasounds in archaeology. IOP Conference Series: Materials Science and Engineering, 2012, 42, 012010.	0.6	1
35	On comparing hard and soft fusion of dependent detectors. , 2012, , .		1
36	Study on the computational cost of EEG dynamic modeling methods. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	New Applications of Late Fusion Methods for EEG Signal Processing. , 2019, , .		1
38	Mixtures of Independent Component Analyzers for EEG Prediction. Communications in Computer and Information Science, 2012, , 328-335.	0.5	1
39	Determining the number of endmembers of hyperspectral images using clustering. , 2020, , .		1
40	Fusion of Visual and Textual Features for Table Header Detection in Handwritten Text Images. , 2021, , .		1
41	Intelligent system for non-destructive evaluation of historic walls using Ground-Penetrating Radar. , 2010, , .		0
42	Assessment of Historic Structures Based on GPR, Ultrasound, and Impact-Echo Data Fusion. Key Engineering Materials, 0, 569-570, 1210-1217.	0.4	0
43	Estimation of consolidation profiles for archaeological ceramics using ultrasonic signature. , 2014, , .		0
44	Unsupervised learning of non-Gaussian mixtures with temporal dependencies. , 2017, , .		0
45	A New Application of Ultrasound Signal Processing for Archaeological Ceramic Classification. , 2020, , .		0
46	A New Detector Based on Alpha Integration Decision Fusion. Lecture Notes in Computer Science, 2021, , 178-189.	1.3	0
47	Editorial for the Special Issue "New Advances on Sub-Pixel Processing: Unmixing and Mapping Methods" Remote Sensing, 2021, 13, 3807.	4.0	0
48	Non-linear Least Mean Squares Prediction Based on Non-Gaussian Mixtures. Lecture Notes in Computer Science, 2017, , 181-189.	1.3	0
49	Combination of Multiple Classification Results Based on K-Class Alpha Integration. Lecture Notes in Computer Science, 2019, , 426-437.	1.3	0
50	Parallelization of an Algorithm for Automatic Classification of Medical Data. Lecture Notes in Computer Science, 2019, , 3-16.	1.3	0
51	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
52	Fraud Detection Using Sequential Patterns from Credit Card Operations. Advances in Intelligent Systems and Computing, 2020, , 287-296.	0.6	0
53	Experimental Study of Hierarchical Clustering for Unmixing of Hyperspectral Images. , 2021, , .		0
54	Late Fusion for Improving Intrusion Detection in a Network Traffic Dataset. , 2021, , .		0