Miguel Angel Medina-PÃ©rez

List of Publications by Year
in descending order

57 papers	777 citations	566801 15 h-index	580395 25 g-index
60 all docs	60 docs citations	60 times ranked	561 citing authors

#	Article	IF	Citations
1	PBC4cip: A new contrast pattern-based classifier for class imbalance problems. Knowledge-Based Systems, 2017, 115, 100-109.	4.0	59
2	Improving Fingerprint Verification Using Minutiae Triplets. Sensors, 2012, 12, 3418-3437.	2.1	57
3	Semi-supervised anomaly detection algorithms: A comparative summary and future research directions. Knowledge-Based Systems, 2021, 218, 106878.	4.0	52
4	A Review of Fingerprint Feature Representations and Their Applications for Latent Fingerprint Identification: Trends and Evaluation. IEEE Access, 2019, 7, 48484-48499.	2.6	48
5	LCMine: An efficient algorithm for mining discriminative regularities and its application in supervised classification. Pattern Recognition, 2010, 43, 3025-3034.	5.1	40
6	A Review of Supervised Classification based on Contrast Patterns: Applications, Trends, and Challenges. Journal of Grid Computing, 2020, 18, 797-845.	2.5	30
7	An Explainable Artificial Intelligence Model for Clustering Numerical Databases. IEEE Access, 2020, 8, 52370-52384.	2.6	29
8	Latent fingerprint identification using deformable minutiae clustering. Neurocomputing, 2016, 175, 851-865.	3.5	26
9	Fusing pattern discovery and visual analytics approaches in tweet propagation. Information Fusion, 2019, 46, 91-101.	11.7	25
10	Bagging-TPMiner: a classifier ensemble for masquerader detection based on typical objects. Soft Computing, 2017, 21, 557-569.	2.1	22
11	Cluster validation using an ensemble of supervised classifiers. Knowledge-Based Systems, 2018, 145, 134-144.	4.0	22
12	A multibiometric system based on the fusion of fingerprint, finger-vein, and finger-knuckle-print. Expert Systems With Applications, 2021, 176, 114687.	4.4	21
13	Bagging-RandomMiner: a one-class classifier for file access-based masquerade detection. Machine Vision and Applications, 2019, 30, 959-974.	1.7	20
14	Temporal and Spatial Locality: An Abstraction for Masquerade Detection. IEEE Transactions on Information Forensics and Security, 2016, 11, 2036-2051.	4.5	18
15	Online personal risk detection based on behavioural and physiological patterns. Information Sciences, 2017, 384, 281-297.	4.0	16
16	A survey on minutiae-based palmprint feature representations, and a full analysis of palmprint feature representation role in latent identification performance. Expert Systems With Applications, 2019, 131, 30-44.	4.4	16
17	DNS-ADVP: A Machine Learning Anomaly Detection and Visual Platform to Protect Top-Level Domain Name Servers Against DDoS Attacks. IEEE Access, 2019, 7, 116358-116369.	2.6	15
18	Classification Based on Multivariate Contrast Patterns. IEEE Access, 2019, 7, 55744-55762.	2.6	15

#	Article	IF	Citations
19	Bot Datasets on Twitter: Analysis and Challenges. Applied Sciences (Switzerland), 2021, 11, 4105.	1.3	14
20	Some features speak loud, but together they all speak louder: A study on the correlation between classification error and feature usage in decision-tree classification ensembles. Engineering Applications of Artificial Intelligence, 2018, 67, 270-282.	4.3	13
21	A Review and Experimental Comparison of Multivariate Decision Trees. IEEE Access, 2021, 9, 110451-110479.	2.6	13
22	An Empirical Study of Oversampling and Undersampling Methods for LCMine an Emerging Pattern Based Classifier. Lecture Notes in Computer Science, 2013, , 264-273.	1.0	13
23	Ensemble of One-Class Classifiers for Personal Risk Detection Based on Wearable Sensor Data. Sensors, 2016, 16, 1619.	2.1	12
24	Pattern-Based and Visual Analytics for Visitor Analysis on Websites. Applied Sciences (Switzerland), 2019, 9, 3840.	1.3	12
25	FiToViz: A Visualisation Approach for Real-Time Risk Situation Awareness. IEEE Transactions on Affective Computing, 2018, 9, 372-382.	5.7	11
26	A Practical Tutorial for Decision Tree Induction. ACM Computing Surveys, 2022, 54, 1-38.	16.1	11
27	A Pattern-Based Approach for Detecting Pneumatic Failures on Temporary Immersion Bioreactors. Sensors, 2019, 19, 414.	2.1	10
28	Asynchronous Processing for Latent Fingerprint Identification on Heterogeneous CPU-GPU Systems. IEEE Access, 2020, 8, 124236-124253.	2.6	9
29	Introducing an Experimental Framework in C# for Fingerprint Recognition. Lecture Notes in Computer Science, 2014, , 132-141.	1.0	8
30	A Review of Fuzzy and Pattern-Based Approaches for Class Imbalance Problems. Applied Sciences (Switzerland), 2021, 11, 6310.	1.3	8
31	PBC4occ: A novel contrast pattern-based classifier for one-class classification. Future Generation Computer Systems, 2021, 125, 71-90.	4.9	8
32	Robust Fingerprint Verification Using M-Triplets. , 2011, , .		7
33	Inducing Decision Trees based on a Cluster Quality Index. IEEE Latin America Transactions, 2015, 13, 1141-1147.	1.2	7
34	Cluster validation in clusteringâ€based oneâ€class classification. Expert Systems, 2019, 36, e12475.	2.9	7
35	A secure and robust indexing algorithm for distorted fingerprints and latent palmprints. Expert Systems With Applications, 2022, 206, 117806.	4.4	7
36	An ensemble of fingerprint matching algorithms based on cylinder codes and mtriplets for latent fingerprint identification. Pattern Analysis and Applications, 2021, 24, 433-444.	3.1	6

#	Article	IF	Citations
37	LPIDB v1.0 - Latent palmprint identification database. , 2014, , .		5
38	Experimenting with masquerade detection via user task usage. International Journal on Interactive Design and Manufacturing, 2017, 11, 771-784.	1.3	5
39	A Contrast Pattern-Based Scientometric Study of the QS World University Ranking. IEEE Access, 2020, 8, 206088-206104.	2.6	5
40	Impact of Minutiae Errors in Latent Fingerprint Identification: Assessment and Prediction. Applied Sciences (Switzerland), 2021, 11, 4187.	1.3	5
41	An Explainable Approach Based on Emotion and Sentiment Features for Detecting People with Mental Disorders on Social Networks. Applied Sciences (Switzerland), 2021, 11, 10932.	1.3	5
42	An Explainable Artificial Intelligence Model for Detecting Xenophobic Tweets. Applied Sciences (Switzerland), 2021, 11, 10801.	1.3	5
43	Learning-Based Dissimilarity for Clustering Categorical Data. Applied Sciences (Switzerland), 2021, 11, 3509.	1.3	4
44	New Dissimilarity Measures for Ultraviolet Spectra Identification. Lecture Notes in Computer Science, 2010, , 220-229.	1.0	4
45	An Indexing Algorithm Based on Clustering of Minutia Cylinder Codes for Fast Latent Fingerprint Identification. IEEE Access, 2021, 9, 85488-85499.	2.6	3
46	Selecting Objects for ALVOT. Lecture Notes in Computer Science, 2006, , 606-613.	1.0	3
47	Towards a Resilience to Stress Index Based on Physiological Response: A Machine Learning Approach. Sensors, 2021, 21, 8293.	2.1	3
48	Improving the Multiple Alignments Strategy for Fingerprint Verification. Lecture Notes in Computer Science, 2012, , 147-154.	1.0	2
49	A First Step to Accelerating Fingerprint Matching Based on Deformable Minutiae Clustering. Lecture Notes in Computer Science, 2018, , 361-371.	1.0	2
50	Towards Inpainting and Denoising Latent Fingerprints: A Study on the Impact in Latent Fingerprint Identification. Lecture Notes in Computer Science, 2020, , 76-86.	1.0	2
51	IOGOD: An interpretable outlier generation-based outlier detector for categorical databases. Expert Systems With Applications, 2022, 195, 116570.	4.4	2
52	Dwell Time Estimation of Import Containers as an Ordinal Regression Problem. Applied Sciences (Switzerland), 2021, 11, 9380.	1.3	1
53	Object Selection Based on Subclass Error Correcting for ALVOT. , 2007, , 496-505.		1
54	The Mexican Conference on Pattern Recognition After Ten Editions: A Scientometric Study. Lecture Notes in Computer Science, 2019, , 315-326.	1.0	0

#	Article	IF	Citations
55	Stacking Fingerprint Matching Algorithms for Latent Fingerprint Identification. Lecture Notes in Computer Science, 2019, , 230-240.	1.0	0
56	Image Annotation as Text-Image Matching: Challenge Design and Results. Computacion Y Sistemas, 2019, 23, .	0.2	0
57	FT4cip: A new functional tree for classification in class imbalance problems. Knowledge-Based Systems, 2022, , 109294.	4.0	0