

Giuseppe Pirlo

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,946
citations

411340

20
h-index

299063

42
g-index

74
all docs

74
docs citations

74
times ranked

1227
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Gait Analysis in Neurodegenerative Diseases: A Review. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 229-242.	3.9	56
2	Combining Unsupervised Approaches for Near Real-Time Network Traffic Anomaly Detection. Applied Sciences (Switzerland), 2022, 12, 1759.	1.3	16
3	Comparing Deep Learning and Shallow Learning Techniques for API Calls Malware Prediction: A Study. Applied Sciences (Switzerland), 2022, 12, 1645.	1.3	12
4	AUCO ResNet: an end-to-end network for Covid-19 pre-screening from cough and breath. Pattern Recognition, 2022, 127, 108656.	5.1	25
5	Comparing Artificial Intelligence Algorithms in Computer Vision: The Weapon Detection Benchmark. Lecture Notes in Computer Science, 2022, , 72-83.	1.0	0
6	Automatic Signature Verification in the Mobile Cloud Scenario: Survey and Way Ahead. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 554-568.	3.2	25
7	Benchmarking of Shallow Learning and Deep Learning Techniques with Transfer Learning for Neurodegenerative Disease Assessment Through Handwriting. Lecture Notes in Computer Science, 2021, , 7-20.	1.0	3
8	Sit-to-Stand Test for Neurodegenerative Diseases Video Classification. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, .	0.7	2
9	A comparative study of shallow learning and deep transfer learning techniques for accurate fingerprints vitality detection. Pattern Recognition Letters, 2021, 151, 11-18.	2.6	6
10	Fall Detection by Human Pose Estimation and Kinematic Theory. , 2021, , .		6
11	A Case Study of Navigation System Assistance with Safety Purposes in the Context of Covid-19 Pandemic. Lecture Notes in Computer Science, 2021, , 351-354.	1.0	0
12	Double Deep Q Network with In-Parallel Experience Generator. , 2020, , .		0
13	Gait Analysis for Early Neurodegenerative Diseases Classification Through the Kinematic Theory of Rapid Human Movements. IEEE Access, 2020, 8, 193966-193980.	2.6	29
14	Artificial Intelligence Applications to Smart City and Smart Enterprise. Applied Sciences (Switzerland), 2020, 10, 2944.	1.3	18
15	A Controlled Benchmark of Video Violence Detection Techniques. Information (Switzerland), 2020, 11, 321.	1.7	5
16	Affective states recognition through touch dynamics. Multimedia Tools and Applications, 2020, 79, 35909-35926.	2.6	11
17	Vertex Feature Classification (VFC). , 2020, , .		1
18	Sit-to-Stand Test for Neurodegenerative Diseases Video Classification. Lecture Notes in Computer Science, 2020, , 596-609.	1.0	3

#	ARTICLE	IF	CITATIONS
19	An Application and Integration of Machine Learning Approach on a Real IoT Agricultural Scenario. Lecture Notes in Computer Science, 2020, , 474-483.	1.0	0
20	Signatures' stability evaluation in a multi-device scenario. , 2020, , .		1
21	Investigating the Sigma-Lognormal Model for Disease Classification by Handwriting. Series in Machine Perception and Artificial Intelligence, 2020, , 195-209.	0.1	3
22	Dynamic Handwriting Analysis for the Assessment of Neurodegenerative Diseases: A Pattern Recognition Perspective. IEEE Reviews in Biomedical Engineering, 2019, 12, 209-220.	13.1	90
23	Handwriting analysis to support neurodegenerative diseases diagnosis: A review. Pattern Recognition Letters, 2019, 121, 37-45.	2.6	93
24	Dynamically enhanced static handwriting representation for Parkinsonâ€™s disease detection. Pattern Recognition Letters, 2019, 128, 204-210.	2.6	74
25	A Perspective Analysis of Handwritten Signature Technology. ACM Computing Surveys, 2019, 51, 1-39.	16.1	142
26	Attentional Pattern Classification for Automatic Dementia Detection. IEEE Access, 2019, 7, 57706-57716.	2.6	27
27	A Handwriting-Based Protocol for Assessing Neurodegenerative Dementia. Cognitive Computation, 2019, 11, 576-586.	3.6	43
28	Deep learning approach to generate offline handwritten signatures based on online samples. IET Biometrics, 2019, 8, 215-220.	1.6	10
29	eHealth and Artificial Intelligence. Information (Switzerland), 2019, 10, 117.	1.7	5
30	TrafficWave: Generative Deep Learning Architecture for Vehicular Traffic Flow Prediction. Applied Sciences (Switzerland), 2019, 9, 5504.	1.3	21
31	Weighted Direct Matching Points for User Stability Model in Multiple Domains: A Proposal for On-Line Signature Verification. , 2019, , .		5
32	Semantics for Wastewater Reuse in Agriculture*. , 2019, , .		3
33	An Evolutionary Approach to address Interoperability Issues in Multi-Device Signature Verification. , 2019, , .		4
34	Online Handwriting Analysis for the Assessment of Alzheimerâ€™s Disease and Parkinsonâ€™s Disease: Overview and Experimental Investigation. , 2019, , 113-128.		2
35	Real-Time Neurodegenerative Disease Video Classification with Severity Prediction. Lecture Notes in Computer Science, 2019, , 618-628.	1.0	3
36	Personal digital bodyguards for e-security, e-learning and e-health: A prospective survey. Pattern Recognition, 2018, 81, 633-659.	5.1	37

#	ARTICLE	IF	CITATIONS
37	LICIC: Less Important Components for Imbalanced Multiclass Classification. Information (Switzerland), 2018, 9, 317.	1.7	11
38	Dynamic Handwriting Analysis for Supporting Earlier Parkinson's Disease Diagnosis. Information (Switzerland), 2018, 9, 247.	1.7	50
39	Machine Learning Applications on Agricultural Datasets for Smart Farm Enhancement. Machines, 2018, 6, 38.	1.2	125
40	Stability-based system for bearing fault early detection. Expert Systems With Applications, 2017, 79, 65-75.	4.4	18
41	Behaviour of dynamic and static feature dependences in constrained signatures. , 2015, , .		3
42	Multidomain Verification of Dynamic Signatures Using Local Stability Analysis. IEEE Transactions on Human-Machine Systems, 2015, 45, 805-810.	2.5	50
43	Interoperability of Biometric Systems: Analysis of Geometric Characteristics of Handwritten Signatures. Lecture Notes in Computer Science, 2015, , 242-249.	1.0	2
44	Zoning methods for handwritten character recognition: A survey. Pattern Recognition, 2014, 47, 969-981.	5.1	54
45	Online Signature Verification. , 2014, , 917-947.		23
46	About retraining rule in multi-expert intelligent system for semi-supervised learning using SVM classifiers. International Journal of Signal and Imaging Systems Engineering, 2014, 7, 245.	0.6	4
47	Stability analysis of dynamic signatures in multiple representation domains: application to automatic signature verification. International Journal of Signal and Imaging Systems Engineering, 2014, 7, 180.	0.6	0
48	Verification of Static Signatures by Optical Flow Analysis. IEEE Transactions on Human-Machine Systems, 2013, 43, 499-505.	2.5	34
49	Cosine similarity for analysis and verification of static signatures. IET Biometrics, 2013, 2, 151-158.	1.6	28
50	A New Adaptive Zoning Technique for Handwritten Digit Recognition. Lecture Notes in Computer Science, 2013, , 91-100.	1.0	5
51	Stability of Dynamic Signatures: From the Representation to the Generation Domain. Lecture Notes in Computer Science, 2013, , 122-130.	1.0	3
52	Learning Strategies for Knowledge-Base Updating in Online Signature Verification Systems. Lecture Notes in Computer Science, 2013, , 86-94.	1.0	0
53	Learning Iterative Strategies in Multi-Expert Systems Using SVMs for Digit Recognition. Lecture Notes in Computer Science, 2013, , 121-130.	1.0	3
54	Layout-Based Document-Retrieval System by Radon Transform Using Dynamic Time Warping. Lecture Notes in Computer Science, 2013, , 61-70.	1.0	4

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55	Adaptive Score Normalization for Output Integration in Multiclassifier Systems. IEEE Signal Processing Letters, 2012, 19, 837-840.	2.1	5
56	Supervised learning strategies in multi-classifier systems. , 2012, , .		5
57	A genetic algorithm based clustering approach for improving off-line handwritten digit classification. , 2012, , .		3
58	Adaptive Membership Functions for Handwritten Character Recognition by Voronoi-Based Image Zoning. IEEE Transactions on Image Processing, 2012, 21, 3827-3837.	6.0	29
59	A multi-resolution multi-classifier system for speaker verification. Expert Systems, 2012, 29, 442-455.	2.9	6
60	Fuzzy-Zoning-Based Classification for Handwritten Characters. IEEE Transactions on Fuzzy Systems, 2011, 19, 780-785.	6.5	33
61	Stability Analysis of Static Signatures for Automatic Signature Verification. Lecture Notes in Computer Science, 2011, , 241-247.	1.0	4
62	Generating Sets of Classifiers for the Evaluation of Multi-expert Systems. , 2010, , .		1
63	Membership Functions for Zoning-Based Recognition of Handwritten Digits. , 2010, , .		8
64	On combining HMM-based speaker verification classifiers. , 2010, , .		0
65	A Feedback-Based Multi-Classifier System. , 2009, , .		15
66	Combination of Measurement-Level Classifiers: Output Normalization by Dynamic Time Warping. , 2009, , .		0
67	Automatic Signature Verification: The State of the Art. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 609-635.	3.3	497
68	Handwritten Signature and Speech: Preliminary Experiments on Multiple Source and Classifiers for Personal Identity Verification. Lecture Notes in Computer Science, 2008, , 181-191.	1.0	6
69	RNS architectures for the implementation of the 'diagonal function'. Information Processing Letters, 2000, 73, 189-198.	0.4	21
70	Algorithms for Signature Verification. , 1994, , 435-454.		23
71	A new technique for fast number comparison in the residue number system. IEEE Transactions on Computers, 1993, 42, 608-612.	2.4	82
72	A new magnitude function for fast numbers comparison in the residue number system. Microprocessing and Microprogramming, 1992, 35, 97-104.	0.3	6