MounÃ®m A El-Yacoubi

List of Publications by Year
in descending order

56 papers	1,072 citations	567281 15 h-index	454955 30 g-index
59 all docs	59 docs citations	59 times ranked	905 citing authors

#	Article	IF	Citations
1	An HMM-based approach for off-line unconstrained handwritten word modeling and recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 752-760.	13.9	184
2	Deep Representation-Based Feature Extraction and Recovering for Finger-Vein Verification. IEEE Transactions on Information Forensics and Security, 2017, 12, 1816-1829.	6.9	165
3	Inferring dynamic origin-destination flows by transport mode using mobile phone data. Transportation Research Part C: Emerging Technologies, 2019, 101, 254-275.	7.6	114
4	Deep Representation for Finger-Vein Image-Quality Assessment. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1677-1693.	8.3	60
5	Multi-Scale and Multi-Direction GAN for CNN-Based Single Palm-Vein Identification. IEEE Transactions on Information Forensics and Security, 2021, 16, 2652-2666.	6.9	36
6	A statistical approach for phrase location and recognition within a text line: an application to street name recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 172-188.	13.9	31
7	Two-Stage Feature Selection of Voice Parameters for Early Alzheimer's Disease Prediction. Irbm, 2018, 39, 430-435.	5.6	31
8	An Iterative Deep Neural Network for Hand-Vein Verification. IEEE Access, 2019, 7, 34823-34837.	4.2	29
9	Handwriting recognition research: Twenty years of achievementâ€¦ and beyond. Pattern Recognition, 2009, 42, 3131-3135.	8.1	28
10	Estimation of Static and Dynamic Urban Populations with Mobile Network Metadata. IEEE Transactions on Mobile Computing, 2019, 18, 2034-2047.	5.8	26
11	Adversarial multi-source transfer learning in healthcare: Application to glucose prediction for diabetic people. Computer Methods and Programs in Biomedicine, 2021, 199, 105874.	4.7	25
12	Characterizing Early-Stage Alzheimer Through Spatiotemporal Dynamics of Handwriting. IEEE Signal Processing Letters, 2018, 25, 1136-1140.	3.6	24
13	Off-line signature verification using HMMs and cross-validation. , 0, , .		22
14	Population estimation from mobile network traffic metadata. , 2016, , .		22
15	Estimating VNF Resource Requirements Using Machine Learning Techniques. Lecture Notes in Computer Science, 2017, , 883-892.	1.3	22
16	From aging to early-stage Alzheimer's: Uncovering handwriting multimodal behaviors by semi-supervised learning and sequential representation learning. Pattern Recognition, 2019, 86, 112-133.	8.1	22
17	Conjoined location and recognition of street names within a postal address delivery line. , 0, , .		15
18	Finger-Vein Quality Assessment by Representation Learning from Binary Images. Lecture Notes in Computer Science, 2015, , 421-431.	1.3	15

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19	CT-Mapper: Mapping sparse multimodal cellular trajectories using a multilayer transportation network. Computer Communications, 2016, 95, 69-81.	5.1	14
20	Multi-shot SURF-based person re-identification via sparse representation. , 2013, , .		13
21	Automatic processing of Historical Arabic Documents: A comprehensive Survey. Pattern Recognition, 2020, 100, 107144.	8.1	12
22	GLYFE: review and benchmark of personalized glucose predictive models in type 1 diabetes. Medical and Biological Engineering and Computing, 2022, 60, 1-17.	2.8	12
23	Age-Related Evolution Patterns in Online Handwriting. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-15.	1.3	10
24	Twoâ€layer discriminative model for human activity recognition. IET Computer Vision, 2016, 10, 273-279.	2.0	10
25	Fusion of appearance and motion-based sparse representations for multi-shot person re-identification. Neurocomputing, 2017, 248, 94-104.	5.9	10
26	Human posture recognition approach based on ConvNets and SVM classifier. , 2017, , .		10
27	Study of Short-Term Personalized Glucose Predictive Models on Type-1 Diabetic Children. , 2019, , .		10
28	Siamese Network Based Feature Learning for Improved Intrusion Detection. Lecture Notes in Computer Science, 2019, , 377-389.	1.3	10
29	Finger-Vein Quality Assessment Based on Deep Features From Grayscale and Binary Images. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1940022.	1.2	9
30	Improved model architecture and training phase in an off-line HMM-based word recognition system. , 0, , .		8
31	A comparison of feature extraction approaches for offline signature verification. , 2011, , .		7
32	Vision-based Recognition of Activities by a Humanoid Robot. International Journal of Advanced Robotic Systems, 2015, , 1.	2.1	5
33	Locality sensitive hashing for content based image retrieval: A comparative experimental study. , 2014, , .		4
34	Comparing Hybrid NN-HMM and RNN for Temporal Modeling in Gesture Recognition. Lecture Notes in Computer Science, 2017, , 147-156.	1.3	4
35	Local Sparse Representation Based Interest Point Matching for Person Re-identification. Lecture Notes in Computer Science, 2015, , 241-250.	1.3	3
36	Semi-global Parameterization of Online Handwriting Features for Characterizing Early-Stage Alzheimer and Mild Cognitive Impairment. Irbm, 2018, 39, 421-429.	5.6	3

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37	Model Fusion to Enhance the Clinical Acceptability of Long-Term Glucose Predictions. , 2019, , .		3
38	Unsupervised deep neuron-per-neuron hashing. Applied Intelligence, 2019, 49, 2218-2232.	5.3	3
39	Enhancing the Interpretability of Deep Models in Healthcare Through Attention: Application to Glucose Forecasting for Diabetic People. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, .	1.2	3
40	Two-Stage Filtering Scheme for Sparse Representation Based Interest Point Matching for Person Re-identification. Lecture Notes in Computer Science, 2015, , 345-356.	1.3	3
41	End-to-End Generative Adversarial Network for Palm-Vein Recognition. Lecture Notes in Computer Science, 2020, , 714-724.	1.3	3
42	Interpreting Deep Glucose Predictive Models for Diabetic People Using RETAIN. Lecture Notes in Computer Science, 2020, , 685-694.	1.3	3
43	Reservoir Computing for Early Stage Alzheimerâ€™s Disease Detection. IEEE Access, 2022, 10, 59821-59831.	4.2	3
44	On the sensitivity of spatio-temporal interest points to person identity. , 2012, , .		2
45	Fusion of Interest Point/Image based descriptors for efficient person re-identification. , 2018, , .		2
46	Analyse automatique de lâ€™Ã©criture manuscrite en ligne pour la dÃ©tection prÃ©coce des pathologies neurodÃ©gÃ©nÃ©ratives. Internet Des Objets, 2017, 17, .	0.2	2
47	HMM-based gait modeling and recognition under different walking scenarios. , 2011, , .		1
48	Cluster-based data oriented hashing. , 2015, , .		1
49	Multimodal Sequential Modeling and Recognition of Human Activities. Lecture Notes in Computer Science, 2016, , 541-548.	1.3	1
50	Age Characterization from Online Handwriting. Communications in Computer and Information Science, 2016, , 176-185.	0.5	1
51	Refining Visual Activity Recognition with Semantic Reasoning. , 2017, , .		1
52	Naive Bayesian Fusion for Action Recognition from Kinect. , 2017, , .		1
53	Evaluation of Feature-Embedding Methods for Word Spotting in Historical Arabic Documents. , 2020, , .		1
54	Methods of pathology detection by speech analysis: Survey. , 2017, , .		0

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55	SeqTools: A python package for easy transformation, combination and evaluation of large datasets.. Journal of Open Source Software, 2018, 3, 1006.	4.6	0
56	Controlling theÂQuality ofÂGAN-Based Generated Images forÂPredictions Tasks. Lecture Notes in Computer Science, 2022, , 121-133.	1.3	0