ClÃ©ment Chatelain

List of Publications by Year
in descending order

38	543	933264	794469
38 papers	**543** citations	**10** h-index	**19** g-index
41 all docs	**41** docs citations	**41** times ranked	**515** citing authors

#	Article	IF	Citations
1	Fully convolutional network with dilated convolutions for handwritten text line segmentation. International Journal on Document Analysis and Recognition, 2018, 21, 177-186.	2.7	55
2	Spotting L3 slice in CT scans using deep convolutional network and transfer learning. Computers in Biology and Medicine, 2017, 87, 95-103.	3.9	51
3	Handwritten Text Line Segmentation Using Fully Convolutional Network. , 2017, , .		40
4	A multi-model selection framework for unknown and/or evolutive misclassification cost problems. Pattern Recognition, 2010, 43, 815-823.	5.1	35
5	The Multiclass ROC Front method for cost-sensitive classification. Pattern Recognition, 2016, 52, 46-60.	5.1	31
6	Multi-Task Deep Learning for Pedestrian Detection, Action Recognition and Time to Cross Prediction. IEEE Access, 2019, 7, 149318-149327.	2.6	30
7	Gesture sequence recognition with one shot learned CRF/HMM hybrid model. Image and Vision Computing, 2017, 61, 12-21.	2.7	29
8	Morphological changes in early melanoma development: Influence of nutrients, growth inhibitors and cell-adhesion mechanisms. Journal of Theoretical Biology, 2011, 290, 46-59.	0.8	28
9	A deep HMM model for multiple keywords spotting in handwritten documents. Pattern Analysis and Applications, 2015, 18, 1003-1015.	3.1	23
10	Recurrence-free unconstrained handwritten text recognition using gated fully convolutional network. , 2020, , .		21
11	Fast object detection in compressed JPEG Images. , 2019, , .		19
12	Have Convolutions Already Made Recurrence Obsolete for Unconstrained Handwritten Text Recognition?. , 2019, , .		13
13	Handwriting recognition using cohort of LSTM and lexicon verification with extremely large lexicon. Multimedia Tools and Applications, 2020, 79, 34407-34427.	2.6	13
14	An Information Extraction Model for Unconstrained Handwritten Documents. , 2010, , .		12
15	Patterns in melanocytic lesions: impact of the geometry on growth and transport inside the epidermis. Journal of the Royal Society Interface, 2014, 11, 20140339.	1.5	11
16	Improving Text Recognition using Optical and Language Model Writer Adaptation. , 2019, , .		11
17	A categorization system for handwritten documents. International Journal on Document Analysis and Recognition, 2012, 15, 315-330.	2.7	9
18	Word Spotting and Regular Expression Detection in Handwritten Documents. , 2013, , .		9

#	Article	IF	Citations
19	Unconstrained Bengali handwriting recognition with recurrent models. , 2015, , .		9
20	Segmentation-Driven Recognition Applied to Numerical Field Extraction from Handwritten Incoming Mail Documents. Lecture Notes in Computer Science, 2006, , 564-575.	1.0	9
21	Self-Training of BLSTM with Lexicon Verification for Handwriting Recognition. , 2017, , .		8
22	Multi-scale Gated Fully Convolutional DenseNets for semantic labeling of historical newspaper images. Pattern Recognition Letters, 2020, 131, 435-441.	2.6	8
23	Language identification from handwritten documents. , 2015, , .		7
24	Deep neural networks regularization for structured output prediction. Neurocomputing, 2018, 281, 169-177.	3.5	7
25	Effective Training of Convolutional Neural Networks for Insect Image Recognition. Lecture Notes in Computer Science, 2018, , 426-437.	1.0	7
26	Recognition andÂInformation Extraction inÂHistorical Handwritten Tables: Toward Understanding Early $$20^{th}$$ Century Paris Census. Lecture Notes in Computer Science, 2022, , 143-157.	1.0	6
27	Alpha-Numerical Sequences Extraction in Handwritten Documents. , 2010, , .		5
28	Learning Deep Neural Networks for High Dimensional Output Problems. , 2009, , .		3
29	NONCOST SENSITIVE SVM TRAINING USING MULTIPLE MODEL SELECTION. Journal of Circuits, Systems and Computers, 2010, 19, 231-242.	1.0	3
30	Hand Tracking Using Optical-Flow Embedded Particle Filter in Sign Language Scenes. Lecture Notes in Computer Science, 2012, , 288-295.	1.0	3
31	Spotting handwritten words and REGEX using a two stage BLSTM-HMM architecture. Proceedings of SPIE, 2015, , .	0.8	3
32	Benchmarking discriminative approaches for word spotting in handwritten documents. , 2015, , .		2
33	Cascading BLSTM networks for handwritten word recognition. , 2016, , .		2
34	Object Detection in the DCT Domain: is Luminance the Solution?. , 2021, , .		2
35	A Hybrid CRF/HMM for One-Shot Gesture Learning. Advances in Computer Vision and Pattern Recognition, 2015, , 51-72.	0.9	2
36	Morphogenesis of early stage melanoma. European Physical Journal Plus, 2015, 130, 1.	1.2	1

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37	Un modÃ¨le neuro markovien profond pour lâ€™extraction de sÃ©quences dans des documents manuscrits. Document Numerique, 2013, 16, 49-68.	0.2	1
38	Genetically Regulated Metabolic Networks: Gale-Nikaido Modules and Differential Inequalities. Lecture Notes in Computer Science, 2011, , 110-130.	1.0	0