ClÃ©ment Chatelain

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Recognition and Information Extraction in Historical Handwritten Tables: Toward Understanding Early $$20^{th}$$ Century Paris Census. Lecture Notes in Computer Science, 2022, , 143-157.	1.0	6
2	Object Detection in the DCT Domain: is Luminance the Solution?. , 2021, , .		2
3	Handwriting recognition using cohort of LSTM and lexicon verification with extremely large lexicon. Multimedia Tools and Applications, 2020, 79, 34407-34427.	2.6	13
4	Recurrence-free unconstrained handwritten text recognition using gated fully convolutional network. , 2020, , .		21
5	Multi-scale Gated Fully Convolutional DenseNets for semantic labeling of historical newspaper images. Pattern Recognition Letters, 2020, 131, 435-441.	2.6	8
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	Improving Text Recognition using Optical and Language Model Writer Adaptation. , 2019, , .		11
8	Have Convolutions Already Made Recurrence Obsolete for Unconstrained Handwritten Text Recognition?. , 2019, , .		13
9	Fast object detection in compressed JPEG Images. , 2019, , .		19
10	Deep neural networks regularization for structured output prediction. Neurocomputing, 2018, 281, 169-177.	3.5	7
11	Effective Training of Convolutional Neural Networks for Insect Image Recognition. Lecture Notes in Computer Science, 2018, , 426-437.	1.0	7
12	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
13	Gesture sequence recognition with one shot learned CRF/HMM hybrid model. Image and Vision Computing, 2017, 61, 12-21.	2.7	29
14	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
15	Self-Training of BLSTM with Lexicon Verification for Handwriting Recognition. , 2017, , .		8
16	Handwritten Text Line Segmentation Using Fully Convolutional Network. , 2017, , .		40
17	Cascading BLSTM networks for handwritten word recognition. , 2016, , .		2
18	The Multiclass ROC Front method for cost-sensitive classification. Pattern Recognition, 2016, 52, 46-60.	5.1	31

#	Article	IF	Citations
19	Morphogenesis of early stage melanoma. European Physical Journal Plus, 2015, 130, 1.	1.2	1
20	Unconstrained Bengali handwriting recognition with recurrent models. , 2015, , .		9
21	Spotting handwritten words and REGEX using a two stage BLSTM-HMM architecture. Proceedings of SPIE, 2015, , .	0.8	3
22	Benchmarking discriminative approaches for word spotting in handwritten documents. , 2015, , .		2
23	Language identification from handwritten documents. , 2015, , .		7
24	A deep HMM model for multiple keywords spotting in handwritten documents. Pattern Analysis and Applications, 2015, 18, 1003-1015.	3.1	23
25	A Hybrid CRF/HMM for One-Shot Gesture Learning. Advances in Computer Vision and Pattern Recognition, 2015, , 51-72.	0.9	2
26	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
27	Word Spotting and Regular Expression Detection in Handwritten Documents. , 2013, , .		9
28	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
29	A categorization system for handwritten documents. International Journal on Document Analysis and Recognition, 2012, 15, 315-330.	2.7	9
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	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
32	Genetically Regulated Metabolic Networks: Gale-Nikaido Modules and Differential Inequalities. Lecture Notes in Computer Science, 2011, , 110-130.	1.0	0
33	A multi-model selection framework for unknown and/or evolutive misclassification cost problems. Pattern Recognition, 2010, 43, 815-823.	5.1	35
34	NONCOST SENSITIVE SVM TRAINING USING MULTIPLE MODEL SELECTION. Journal of Circuits, Systems and Computers, 2010, 19, 231-242.	1.0	3
35	An Information Extraction Model for Unconstrained Handwritten Documents. , 2010, , .		12
36	Alpha-Numerical Sequences Extraction in Handwritten Documents. , 2010, , .		5

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37	Learning Deep Neural Networks for High Dimensional Output Problems. , 2009, , .		3
38	Segmentation-Driven Recognition Applied to Numerical Field Extraction from Handwritten Incoming Mail Documents. Lecture Notes in Computer Science, 2006, , 564-575.	1.0	9