

Lambert Rb Schomaker

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

3,038
citations

30
h-index

51
g-index

142
ext. papers

3,544
ext. citations

3.8
avg, IF

5.69
L-index

#	Paper	IF	Citations
123	Text-independent writer identification and verification using textural and allographic features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 701-17	13.3	320
122	Automatic writer identification using connected-component contours and edge-based features of uppercase Western script. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2004 , 26, 787-98	13.3	176
121	UNIPEN project of on-line data exchange and recognizer benchmarks		168
120	FittsLaw as a low-pass filter effect of muscle stiffness. <i>Human Movement Science</i> , 1992 , 11, 11-21	2.4	108
119	Writer identification using directional ink-trace width measurements. <i>Pattern Recognition</i> , 2012 , 45, 162-171	7.7	101
118	Text detection from natural scene images: towards a system for visually impaired persons 2004 ,		87
117	Using codebooks of fragmented connected-component contours in forensic and historic writer identification. <i>Pattern Recognition Letters</i> , 2007 , 28, 719-727	4.7	81
116	Effects of motor programming on the power spectral density function of finger and wrist movements.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1990 , 16, 755-765	2.6	78
115	Predicting Eye Fixations on Complex Visual Stimuli Using Local Symmetry. <i>Cognitive Computation</i> , 2011 , 3, 223-240	4.4	77
114	Writer identification using edge-based directional features		77
113	Neuromotor noise and poor handwriting in children. <i>Acta Psychologica</i> , 1993 , 82, 161-78	1.7	77
112	Junction detection in handwritten documents and its application to writer identification. <i>Pattern Recognition</i> , 2015 , 48, 4036-4048	7.7	65
111	DeepOtsu: Document enhancement and binarization using iterative deep learning. <i>Pattern Recognition</i> , 2019 , 91, 379-390	7.7	60
110	Writer identification using curvature-free features. <i>Pattern Recognition</i> , 2017 , 63, 451-464	7.7	55
109	Handwritten-word spotting using biologically inspired features. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 1945-57	13.3	54
108	The relation between pen force and pen-point kinematics in handwriting. <i>Biological Cybernetics</i> , 1990 , 63, 277-289	2.8	54
107	An overview and comparison of voting methods for pattern recognition		52

106	Comparing Local Descriptors and Bags of Visual Words to Deep Convolutional Neural Networks for Plant Recognition 2017 ,		49
105	Recognition of handwritten characters using local gradient feature descriptors. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 45, 405-414	7.2	47
104	Text-Independent Writer Identification and Verification on Offline Arabic Handwriting. <i>Proc Int Conf Doc Anal Recognit</i> , 2007 ,		46
103	Invariant properties between stroke features in handwriting. <i>Acta Psychologica</i> , 1993 , 82, 69-88	1.7	43
102	Using stroke- or character-based self-organizing maps in the recognition of on-line, connected cursive script. <i>Pattern Recognition</i> , 1993 , 26, 443-450	7.7	41
101	Motor unit firing rate during static contraction indicated by the surface EMG power spectrum. <i>IEEE Transactions on Biomedical Engineering</i> , 1983 , 30, 601-9	5	38
100	Deep adaptive learning for writer identification based on single handwritten word images. <i>Pattern Recognition</i> , 2019 , 88, 64-74	7.7	37
99	Influence of motor unit firing statistics on the median frequency of the EMG power spectrum. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1984 , 52, 207-13		35
98	Advances in Writer Identification and Verification. <i>Proc Int Conf Doc Anal Recognit</i> , 2007 ,		32
97	Data Augmentation for Plant Classification. <i>Lecture Notes in Computer Science</i> , 2017 , 615-626	0.9	30
96	From handwriting analysis to pen-computer applications. <i>Electronics and Communication Engineering Journal</i> , 1998 , 10, 93-102		30
95	AUTOMATIC ALLOGRAPH MATCHING IN FORENSIC WRITER IDENTIFICATION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2007 , 21, 61-81	1.1	30
94	Layout Analysis of Handwritten Historical Documents for Searching the Archive of the Cabinet of the Dutch Queen. <i>Proc Int Conf Doc Anal Recognit</i> , 2007 ,		30
93	Delta-n Hinge: Rotation-Invariant Features for Writer Identification 2014 ,		28
92	FragNet: Writer Identification Using Deep Fragment Networks. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 3013-3022	8	27
91	Automatic writer identification using fragmented connected-component contours		27
90	Finding features used in the human reading of cursive handwriting. <i>International Journal on Document Analysis and Recognition</i> , 1999 , 2, 13-18	3.8	27
89	Limb-segment selection in drawing behaviour. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 1993 , 46, 273-99		27

88	Towards Style-Based Dating of Historical Documents 2014 ,		26
87	Image-based historical manuscript dating using contour and stroke fragments. <i>Pattern Recognition</i> , 2016 , 58, 159-171	7.7	26
86	Beyond OCR: Multi-faceted understanding of handwritten document characteristics. <i>Pattern Recognition</i> , 2017 , 63, 321-333	7.7	24
85	Automatic Handwriting Identification on Medieval Documents 2007 ,		21
84	Writer Style from Oriented Edge Fragments. <i>Lecture Notes in Computer Science</i> , 2003 , 460-469	0.9	21
83	Amplitude and bandwidth of the frontalis surface EMG: effects of electrode parameters. <i>Psychophysiology</i> , 1984 , 21, 699-707	4.1	21
82	One-vs-One classification for deep neural networks. <i>Pattern Recognition</i> , 2020 , 108, 107528	7.7	19
81	Melodic cues for metre. <i>Perception</i> , 1994 , 23, 965-76	1.2	19
80	Architectures for detecting and solving conflicts: two-stage classification and support vector classifiers. <i>International Journal on Document Analysis and Recognition</i> , 2003 , 5, 213-223	3.8	18
79	A comparison of clustering methods for writer identification and verification 2005 ,		18
78	Hyperspectral demosaicking and crosstalk correction using deep learning. <i>Machine Vision and Applications</i> , 2019 , 30, 1-21	2.8	17
77	A Comparison of Feature and Pixel-Based Methods for Recognizing Handwritten Bangla Digits 2013 ,		17
76	Towards robust writer verification by correcting unnatural slant. <i>Pattern Recognition Letters</i> , 2011 , 32, 449-457	4.7	17
75	Effects of motor programming on the power spectral density function of finger and wrist movements. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1990 , 16, 755-65	2.6	17
74	Using Pen-Based Outlines for Object-Based Annotation and Image-Based Queries. <i>Lecture Notes in Computer Science</i> , 1999 , 585-592	0.9	17
73	Towards Explainable Writer Verification and Identification Using Vantage Writers. <i>Proc Int Conf Doc Anal Recognit</i> , 2007 ,		16
72	Historical manuscript dating based on temporal pattern codebook. <i>Computer Vision and Image Understanding</i> , 2016 , 152, 167-175	4.3	16
71	Separability versus prototypicality in handwritten word-image retrieval. <i>Pattern Recognition</i> , 2014 , 47, 1031-1038	7.7	15

70	Reinforcement learning algorithms for solving classification problems 2011 ,		15
69	How much handwritten text is needed for text-independent writer verification and identification 2008 ,		14
68	Between-Letter Context Effects in Handwriting Trajectories. <i>Advances in Psychology</i> , 1986 , 37, 253-272		14
67	Feature-extraction methods for historical manuscript dating based on writing style development. <i>Pattern Recognition Letters</i> , 2020 , 131, 413-420	4.7	13
66	A Polar Stroke Descriptor for classification of historical documents 2015 ,		12
65	A Multiple-Label Guided Clustering Algorithm for Historical Document Dating and Localization. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 5252-65	8.7	12
64	Operational data augmentation in classifying single aerial images of animals 2017 ,		12
63	The Influence of Changes in the Effector Coordinate System on Handwriting Movements. <i>Advances in Psychology</i> , 1986 , 37, 33-46		12
62	Multi-script text versus non-text classification of regions in scene images. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 62, 23-42	2.7	11
61	A Path Planning for Line Segmentation of Handwritten Documents 2014 ,		11
60	Automatic removal of crossed-out handwritten text and the effect on writer verification and identification 2008 ,		11
59	Comparative study between deep learning and bag of visual words for wild-animal recognition 2016 ,		11
58	Sparse-parametric writer identification using heterogeneous feature groups		10
57	Habituation of the human blink reflex: The effect of stimulus frequency and the state of arousal. <i>Physiological Psychology</i> , 1982 , 10, 325-330		10
56	An analysis of rotation matrix and colour constancy data augmentation in classifying images of animals. <i>Journal of Information and Telecommunication</i> , 2018 , 2, 465-491	1.4	9
55	Finding structure in diversity: a hierarchical clustering method for the categorization of allographs in handwriting		9
54	Recognition of Handwritten Numerical Fields in a Large Single-Writer Historical Collection 2009 ,		8
53	General Pattern Run-Length Transform for Writer Identification 2016 ,		7

52	Design considerations for a large-scale image-based text search engine in historical manuscript collections. <i>IT - Information Technology</i> , 2016 , 58, 80-88	0.4	7
51	Robust Face Recognition by Computing Distances From Multiple Histograms of Oriented Gradients 2015 ,		7
50	Writer Identification and Verification 2008 , 247-264		7
49	Towards a Digital Infrastructure for Illustrated Handwritten Archives. <i>Lecture Notes in Computer Science</i> , 2018 , 155-166	0.9	7
48	Artificial intelligence based writer identification generates new evidence for the unknown scribes of the Dead Sea Scrolls exemplified by the Great Isaiah Scroll (1QIsaa). <i>PLoS ONE</i> , 2021 , 16, e0249769	3.7	7
47	GR-RNN: Global-context residual recurrent neural networks for writer identification. <i>Pattern Recognition</i> , 2021 , 117, 107975	7.7	7
46	Evaluating automatically parallelized versions of the support vector machine. <i>Concurrency Computation Practice and Experience</i> , 2016 , 28, 2274-2294	1.4	6
45	Where are the Search Engines for Handwritten Documents?. <i>Interdisciplinary Science Reviews</i> , 2009 , 34, 224-235	0.7	6
44	Text-image alignment for historical handwritten documents 2009 ,		6
43	A Digital Palaeographic Approach towards Writer Identification in the Dead Sea Scrolls 2017 ,		6
42	Accelerating Reinforcement Learning for Reaching Using Continuous Curriculum Learning 2020 ,		6
41	Discovering Visual Element Evolutions for Historical Document Dating 2016 ,		6
40	Co-occurrence Features for Writer Identification 2016 ,		6
39	New use for the pen: outline-based image queries 1999 ,		5
38	Segmental K-Means Learning with Mixture Distribution for HMM Based Handwriting Recognition. <i>Lecture Notes in Computer Science</i> , 2011 , 432-439	0.9	5
37	Machine learning for multi-view eye-pair detection. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 33, 69-79	7.2	4
36	Pen force emulating robotic writing device and its application 2005 ,		4
35	Anticipation in cybernetic systems: a case against mindless anti-representationalism		4

34	A neural oscillator-network model of temporal pattern generation. <i>Human Movement Science</i> , 1992 , 11, 181-192	2.4	4
33	Historical Document Dating Using Unsupervised Attribute Learning 2016 ,		4
32	Bangla Handwritten Character Segmentation Using Structural Features. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , 2016 , 15, 1-26	1.1	4
31	Word mining in a sparsely labeled handwritten collection 2008 ,		3
30	Retrieval of Handwritten Lines in Historical Documents. <i>Proc Int Conf Doc Anal Recognit</i> , 2007 ,		3
29	Verifying the UNIPEN devset		3
28	The WANDAML markup language for digital document annotation		3
27	On the use and Limitations of Averaging Handwriting Signals. <i>Advances in Psychology</i> , 1986 , 225-238		3
26	Generative Artificial Intelligence. <i>Studies in Applied Philosophy, Epistemology and Rational Ethics</i> , 2013 , 107-120	0.3	3
25	No Padding Please: Efficient Neural Handwriting Recognition 2019 ,		3
24	Zero-Shot Learning Based Approach For Medieval Word Recognition using Deep-Learned Features 2018 ,		3
23	CentroidNetV2: A hybrid deep neural network for small-object segmentation and counting. <i>Neurocomputing</i> , 2021 , 423, 490-505	5.4	3
22	Deep Learning for Classification and as Tapped-Feature Generator in Medieval Word-Image Recognition 2018 ,		2
21	A Reevaluation and Benchmark of Hidden Markov Models 2014 ,		2
20	Ensemble Methods for Robust 3D Face Recognition Using Commodity Depth Sensors 2015 ,		2
19	Indoor localization by denoising autoencoders and semi-supervised learning in 3D simulated environment 2015 ,		2
18	A METHOD FOR THE DETERMINATION OF FEATURES USED IN HUMAN READING OF CURSIVE HANDWRITING. <i>Series in Machine Perception and Artificial Intelligence</i> , 1999 , 193-202	0.3	2
17	A Deep Convolutional Neural Network for Location Recognition and Geometry based Information 2018 ,		2

16	Object Attention Patches for Text Detection and Recognition in Scene Images using SIFT 2015 ,	2
15	Learning to Grasp 3D Objects using Deep Residual U-Nets 2020 ,	2
14	Using symmetrical regions of interest to improve visual SLAM 2009 ,	1
13	Detection and Recognition of Badgers Using Deep Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 554-563	0.9 1
12	Using Local Symmetry for Landmark Selection. <i>Lecture Notes in Computer Science</i> , 2009 , 94-103	0.9 1
11	Two-stage visual navigation by deep neural networks and multi-goal reinforcement learning. <i>Robotics and Autonomous Systems</i> , 2021 , 138, 103731	3.5 1
10	Dynamic parameter update for robot navigation systems through unsupervised environmental situational analysis 2016 ,	1
9	A limited-size ensemble of homogeneous CNN/LSTMs for high-performance word classification. <i>Neural Computing and Applications</i> , 2021 , 33, 8615	4.8 1
8	CT-Net: Cascade T-shape deep fusion networks for document binarization. <i>Pattern Recognition</i> , 2021 , 118, 108010	7.7 1
7	Musicologist-driven writer identification in early music manuscripts. <i>Multimedia Tools and Applications</i> , 2016 , 75, 6463-6479	2.5
6	Deep Learning with Data Augmentation for Fruit Counting. <i>Lecture Notes in Computer Science</i> , 2020 , 203-214	0.9
5	Active Learning for Reducing Labeling Effort in Text Classification Tasks. <i>Communications in Computer and Information Science</i> , 2022 , 3-29	0.3
4	Text-Pose Estimation in 3D Using Edge-Direction Distributions. <i>Lecture Notes in Computer Science</i> , 2005 , 625-634	0.9
3	Reading Systems: An Introduction to Digital Document Processing. <i>Advances in Pattern Recognition</i> , 2007 , 1-28	
2	Writer Identification in Old Music Manuscripts Using Contour-Hinge Feature and Dimensionality Reduction with an Autoencoder. <i>Lecture Notes in Computer Science</i> , 2013 , 555-562	0.9
1	A Fully Automated End-to-End Process for Fluorescence Microscopy Images of Yeast Cells: From Segmentation to Detection and Classification. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 37-46	0.2