Chew Lim Tan

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.

114 papers	2,645 citations	29 h-index	47 g-index
124 ext. papers	3,133 ext. citations	5.3 avg, IF	5.22 L-index

#	Paper	IF	Citations
114	A Laplacian approach to multi-oriented text detection in video. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2011**, 33, 412-9	13.3	188
113	A robust arbitrary text detection system for natural scene images. *Expert Systems With Applications*, **2014**, 41, 8027-8048	7.8	168
112	Document image binarization using background estimation and stroke edges. *International Journal on Document Analysis and Recognition*, **2010**, 13, 303-314	3.8	132
111	Binarization of historical document images using the local maximum and minimum **2010**,		117
110	Recognizing Text with Perspective Distortion in Natural Scenes **2013**,		111
109	Multilingual scene character recognition with co-occurrence of histogram of oriented gradients. *Pattern Recognition*, **2016**, 51, 125-134	7.7	98
108	Multioriented Video Scene Text Detection Through Bayesian Classification and Boundary Growing. *IEEE Transactions on Circuits and Systems for Video Technology*, **2012**, 22, 1227-1235	6.4	59
107	A nearest-neighbor chain based approach to skew estimation in document images. *Pattern Recognition Letters*, **2003**, 24, 2315-2323	4.7	58
106	Video Text Detection. *Advances in Computer Vision and Pattern Recognition*, **2014**,	1.1	56
105	A Laplacian Method for Video Text Detection **2009**,		55
104	Imaged document text retrieval without OCR. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2002**, 24, 838-844	13.3	54
103	Accurate video text detection through classification of low and high contrast images. *Pattern Recognition*, **2010**, 43, 2165-2185	7.7	53
102	Restoration of archival documents using a wavelet technique. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2002**, 24, 1399-1404	13.3	52
101	New Fourier-Statistical Features in RGB Space for Video Text Detection. *IEEE Transactions on Circuits and Systems for Video Technology*, **2010**, 20, 1520-1532	6.4	51
100	Document image retrieval through word shape coding. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2008**, 30, 1913-8	13.3	47
99	Multi-Spectral Fusion Based Approach for Arbitrarily Oriented Scene Text Detection in Video Images. *IEEE Transactions on Image Processing*, **2015**, 24, 4488-501	8.7	45
98	Script and language identification in noisy and degraded document images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2008**, 30, 14-24	13.3	45

97	Retrieval of machine-printed Latin documents through Word Shape Coding. *Pattern Recognition*, **2008**, 41, 1799-1809	7.7	42
96	. *IEEE Transactions on Multimedia*, **2015**, 17, 1137-1152	6.6	41
95	Gradient Vector Flow and Grouping-Based Method for Arbitrarily Oriented Scene Text Detection in Video Images. *IEEE Transactions on Circuits and Systems for Video Technology*, **2013**, 23, 1729-1739	6.4	39
94	Scene Text Recognition Using Co-occurrence of Histogram of Oriented Gradients **2013**,		38
93	A unified framework for document restoration using inpainting and shape-from-shading. *Pattern Recognition*, **2009**, 42, 2961-2978	7.7	37
92	Combination of Document Image Binarization Techniques **2011**,		34
91	A Gradient Difference Based Technique for Video Text Detection **2009**,		34
90	A Robust Wavelet Transform Based Technique for Video Text Detection **2009**,		34
89	A New Method for Arbitrarily-Oriented Text Detection in Video **2012**,		33
88	An Efficient Edge Based Technique for Text Detection in Video Frames **2008**,		33
87	Bayesian classifier for multi-oriented video text recognition system. *Expert Systems With Applications*, **2015**, 42, 5554-5566	7.8	32
86	Video Script Identification Based on Text Lines **2011**,		30
85	An improved physically-based method for geometric restoration of distorted document images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2008**, 30, 728-34	13.3	29
84	Word sense disambiguation using label propagation based semi-supervised learning **2005**,		29
83	New Gradient-Spatial-Structural Features for video script identification. *Computer Vision and Image Understanding*, **2015**, 130, 35-53	4.3	28
82	New Spatial-Gradient-Features for Video Script Identification **2012**,		26
81	Detecting text in the real world **2012**,		24
80	New Wavelet and Color Features for Text Detection in Video **2010**,		24

79	A novel mutual nearest neighbor based symmetry for text frame classification in video. *Pattern Recognition*, **2011**, 44, 1671-1683	7.7	23
78	Information retrieval in document image databases. *IEEE Transactions on Knowledge and Data Engineering*, **2004**, 16, 1398-1410	4.2	23
77	Video text detection based on filters and edge features **2009**,		22
76	A Gradient Vector Flow-Based Method for Video Character Segmentation **2011**,		21
75	Gland segmentation in prostate histopathological images. *Journal of Medical Imaging*, **2017**, 4, 027501	2.6	20
74	An approach to word image matching based on weighted Hausdorff distance		20
73	Character Recognition in Natural Scenes Using Convolutional Co-occurrence HOG **2014**,		18
72	Document retrieval from compressed images. *Pattern Recognition*, **2003**, 36, 987-996	7.7	18
71	A novel ring radius transform for video character reconstruction. *Pattern Recognition*, **2013**, 46, 131-140	7.7	17
70	A Twin-Candidate Model for Learning-Based Anaphora Resolution. *Computational Linguistics*, **2008**, 34, 327-356	2.8	17
69	Contextual post-processing based on the confusion matrix in offline handwritten Chinese script recognition. *Pattern Recognition*, **2004**, 37, 1901-1912	7.7	17
68	An Effective Staff Detection and Removal Technique for Musical Documents **2012**,		16
67	Edge Based Binarization for Video Text Images **2010**,		16
66	Segmentation-Free Keyword Spotting for Handwritten Documents Based on Heat Kernel Signature **2013**,		15
65	Recognition of Video Text through Temporal Integration **2013**,		15
64	Hemorrhage slices detection in brain CT images **2008**,		15
63	Gradient-Angular-Features for Word-wise Video Script Identification **2014**,		14
62	Scene Text Segmentation with Multi-level Maximally Stable Extremal Regions **2014**,		14

61	Script identification of camera-based images **2008**,		14
60	Character shape restoration system through medial axis points in video. *Neurocomputing*, **2015**, 161, 183-198	5.4	13
59	Multi-oriented scene text detection in video based on wavelet and angle projection boundary growing. *Multimedia Tools and Applications*, **2014**, 72, 515-539	2.5	13
58	Graphics and Scene Text Classification in Video **2014**,		13
57	A New Method for Word Segmentation from Arbitrarily-Oriented Video Text Lines **2012**,		13
56	Convex hull based skew estimation. *Pattern Recognition*, **2007**, 40, 456-475	7.7	13
55	Improved nearest neighbor based approach to accurate document skew estimation		12
54	Handwritten word image matching based on Heat Kernel Signature. *Pattern Recognition*, **2015**, 48, 3346-3356	7.7	11
53	A hybrid post-processing system for offline handwritten Chinese script recognition. *Pattern Analysis and Applications*, **2005**, 8, 272-286	2.3	11
52	A New Fourier-Moments Based Video Word and Character Extraction Method for Recognition **2011** ,		10
51	Automatic document orientation detection and categorization through document vectorization **2006**,		10
50	New Tampered Features for Scene and Caption Text Classification in Video Frame **2016**,		10
49	Piece-wise linearity based method for text frame classification in video. *Pattern Recognition*, **2015**, 48, 862-881	7.7	9
48	Text Detection Using Delaunay Triangulation in Video Sequence **2014**,		9
47	Text Mining in Radiology Reports **2008**,		9
46	Thresholding of badly illuminated document images through photometric correction **2007**,		9
45	Text Retrieval from Document Images Based on Word Shape Analysis. *Applied Intelligence*, **2003**, 18, 257-270	4.9	9
44	Italic font recognition using stroke pattern analysis on wavelet decomposed word images **2004**,		8

43	Fiducial line based skew estimation. *Pattern Recognition*, **2005**, 38, 2333-2350	7.7	8
42	SEGMENTATION OF HANDWRITTEN CHINESE CHARACTERS FROM DESTINATION ADDRESSES OF MAIL PIECES. *International Journal of Pattern Recognition and Artificial Intelligence*, **2002**, 16, 85-96	1.1	8
41	Using pyramid of histogram of oriented gradients on natural scene text recognition **2014**,		7
40	Character Recognition under Severe Perspective Distortion **2009**,		7
39	Removing Shading Distortions in Camera-based Document Images Using Inpainting and Surface Fitting With Radial Basis Functions. *Proc Int Conf Doc Anal Recognit*, **2007**,		7
38	Shape from Shading Based on Lax-Friedrichs Fast Sweeping and Regularization Techniques With Applications to Document Image Restoration **2007**,		7
37	A Restoration Framework for Correcting Photometric and Geometric Distortions in Camera-based Document Images **2007**,		7
36	Scene Character Reconstruction through Medial Axis **2013**,		6
35	CO-CLUSTERING BIPARTITE WITH PATTERN PRESERVATION FOR TOPIC EXTRACTION. *International Journal on Artificial Intelligence Tools*, **2008**, 17, 87-107	0.9	6
34	Retrieving imaged documents in digital libraries based on word image coding		6
33	Word spotting in Chinese document images without layout analysis		6
32	A new method for multi-oriented graphics-scene-3D text classification in video. *Pattern Recognition* , **2016**, 49, 19-42	7.7	5
31	Content-oriented multimedia document understanding through cross-media correlation. *Multimedia Tools and Applications*, **2015**, 74, 8105-8135	2.5	5
30	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2014**, 24, 1277-1287	6.4	5
29	Video Character Recognition through Hierarchical Classification **2011**,		5
28	A kernel-based feature weighting for text classification **2009**,		5
27	Combining character-based bigrams with word-based bigrams in contextual postprocessing for Chinese script recognition. *ACM Transactions on Asian Language Information Processing*, **2002**, 1, 297-309		5
26	Finding the Best-Fit Bounding-Boxes. *Lecture Notes in Computer Science*, **2006**, 268-279	0.9	5

25	Novel Edge Features for Text Frame Classification in Video **2010**,		4
24	Robust text segmentation using graph cut **2015**,		3
23	Identification of scripts and orientations of degraded document images. *Pattern Analysis and Applications*, **2010**, 13, 469-475	2.3	3
22	CONSTRUCTING AREA VORONOI DIAGRAM BASED ON DIRECT CALCULATION OF THE FREEMAN CODE OF EXPANDED CONTOURS. *International Journal of Pattern Recognition and Artificial Intelligence*, **2007**, 21, 947-960	1.1	3
21	Video scene text frames categorization for text detection and recognition **2016**,		3
20	Image Based Retrieval and Keyword Spotting in Documents **2014**, 805-842		2
19	2D and 3D Video Scene Text Classification **2014**,		2
18	Learning model order from labeled and unlabeled data for partially supervised classification, with application to word sense disambiguation. *Computer Speech and Language*, **2007**, 21, 609-619	2.8	2
17	Identification of Latin-Based Languages through Character Stroke Categorization. *Proc Int Conf Doc Anal Recognit*, **2007**,		2
16	From range data to animated anatomy-based faces: a model adaptation method **2005**,		2
15	Word searching in CCITT group 4 compressed document images		2
14	Directional wavelet approach to remove document image interference		2
13	Word Extraction Using Area Voronoi Diagram **2003**,		2
12	Weakly-supervised region annotation for understanding scene images. *Multimedia Tools and Applications*, **2016**, 75, 3027-3051	2.5	1
11	Introduction to Video Text Detection. *Advances in Computer Vision and Pattern Recognition*, **2014**, 1-18	1.1	1
10	Document Flattening through Grid Modeling and Regularization **2006**,		1
9	Camera Text Recognition based on Perspective Invariants **2006**,		1
8	An empirical study of statistical language models for contextual post-processing of Chinese script recognition		1

7	Similarity measure for CCITT Group 4 compressed document images		1
6	Alignment and Matching of Bilingual English-Chinese News Texts. *Machine Translation*, **1999**, 14, 1-33	1.1	1
5	Video Caption Detection. *Advances in Computer Vision and Pattern Recognition*, **2014**, 49-80	1.1	1
4	Script Identification. *Advances in Computer Vision and Pattern Recognition*, **2014**, 195-219	1.1	
3	Text Detection from Video Scenes. *Advances in Computer Vision and Pattern Recognition*, **2014**, 81-126	1.1	
2	Random walks down the mention graphs for event coreference resolution. *ACM Transactions on Intelligent Systems and Technology*, **2013**, 4, 1-20	8	
1	Information Retrieval from Document Image Databases. *Statistical Science and Interdisciplinary Research*, **2014**, 83-103		