

Chew Lim Tan

List of Publications by Year in Descending Order

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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	Gland segmentation in prostate histopathological images. <i>Journal of Medical Imaging</i> , 2017 , 4, 027501	2.6	20
113	A new method for multi-oriented graphics-scene-3D text classification in video. <i>Pattern Recognition</i> , 2016 , 49, 19-42	7.7	5
112	Weakly-supervised region annotation for understanding scene images. <i>Multimedia Tools and Applications</i> , 2016 , 75, 3027-3051	2.5	1
111	Multilingual scene character recognition with co-occurrence of histogram of oriented gradients. <i>Pattern Recognition</i> , 2016 , 51, 125-134	7.7	98
110	Video scene text frames categorization for text detection and recognition 2016 ,		3
109	New Tampered Features for Scene and Caption Text Classification in Video Frame 2016 ,		10
108	Bayesian classifier for multi-oriented video text recognition system. <i>Expert Systems With Applications</i> , 2015 , 42, 5554-5566	7.8	32
107	Character shape restoration system through medial axis points in video. <i>Neurocomputing</i> , 2015 , 161, 183-198	5.4	13
106	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 1137-1152	6.6	41
105	Multi-Spectral Fusion Based Approach for Arbitrarily Oriented Scene Text Detection in Video Images. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 4488-501	8.7	45
104	Robust text segmentation using graph cut 2015 ,		3
103	Handwritten word image matching based on Heat Kernel Signature. <i>Pattern Recognition</i> , 2015 , 48, 3346-3356	7.7	11
102	Piece-wise linearity based method for text frame classification in video. <i>Pattern Recognition</i> , 2015 , 48, 862-881	7.7	9
101	New Gradient-Spatial-Structural Features for video script identification. <i>Computer Vision and Image Understanding</i> , 2015 , 130, 35-53	4.3	28
100	Content-oriented multimedia document understanding through cross-media correlation. <i>Multimedia Tools and Applications</i> , 2015 , 74, 8105-8135	2.5	5
99	Image Based Retrieval and Keyword Spotting in Documents 2014 , 805-842		2
98	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2014 , 24, 1277-1287	6.4	5

97	Text Detection Using Delaunay Triangulation in Video Sequence 2014,		9
96	Script Identification. <i>Advances in Computer Vision and Pattern Recognition, 2014,</i> 195-219	1.1	
95	A robust arbitrary text detection system for natural scene images. <i>Expert Systems With Applications, 2014,</i> 41, 8027-8048	7.8	168
94	Multi-oriented scene text detection in video based on wavelet and angle projection boundary growing. <i>Multimedia Tools and Applications, 2014,</i> 72, 515-539	2.5	13
93	Gradient-Angular-Features for Word-wise Video Script Identification 2014,		14
92	Graphics and Scene Text Classification in Video 2014,		13
91	Scene Text Segmentation with Multi-level Maximally Stable Extremal Regions 2014,		14
90	Using pyramid of histogram of oriented gradients on natural scene text recognition 2014,		7
89	Character Recognition in Natural Scenes Using Convolutional Co-occurrence HOG 2014,		18
88	2D and 3D Video Scene Text Classification 2014,		2
87	Introduction to Video Text Detection. <i>Advances in Computer Vision and Pattern Recognition, 2014,</i> 1-18	1.1	1
86	Text Detection from Video Scenes. <i>Advances in Computer Vision and Pattern Recognition, 2014,</i> 81-126	1.1	
85	Video Text Detection. <i>Advances in Computer Vision and Pattern Recognition, 2014,</i>	1.1	56
84	Video Caption Detection. <i>Advances in Computer Vision and Pattern Recognition, 2014,</i> 49-80	1.1	1
83	Information Retrieval from Document Image Databases. <i>Statistical Science and Interdisciplinary Research, 2014,</i> 83-103		
82	Gradient Vector Flow and Grouping-Based Method for Arbitrarily Oriented Scene Text Detection in Video Images. <i>IEEE Transactions on Circuits and Systems for Video Technology, 2013,</i> 23, 1729-1739	6.4	39
81	Segmentation-Free Keyword Spotting for Handwritten Documents Based on Heat Kernel Signature 2013,		15
80	Recognizing Text with Perspective Distortion in Natural Scenes 2013,		111

79	A novel ring radius transform for video character reconstruction. <i>Pattern Recognition</i> , 2013 , 46, 131-140	7.7	17
78	Scene Text Recognition Using Co-occurrence of Histogram of Oriented Gradients 2013 ,		38
77	Random walks down the mention graphs for event coreference resolution. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2013 , 4, 1-20		8
76	Recognition of Video Text through Temporal Integration 2013 ,		15
75	Scene Character Reconstruction through Medial Axis 2013 ,		6
74	Detecting text in the real world 2012 ,		24
73	A New Method for Word Segmentation from Arbitrarily-Oriented Video Text Lines 2012 ,		13
72	Multioriented Video Scene Text Detection Through Bayesian Classification and Boundary Growing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2012 , 22, 1227-1235	6.4	59
71	New Spatial-Gradient-Features for Video Script Identification 2012 ,		26
70	A New Method for Arbitrarily-Oriented Text Detection in Video 2012 ,		33
69	An Effective Staff Detection and Removal Technique for Musical Documents 2012 ,		16
68	Combination of Document Image Binarization Techniques 2011 ,		34
67	A Laplacian approach to multi-oriented text detection in video. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 412-9	13.3	188
66	A New Fourier-Moments Based Video Word and Character Extraction Method for Recognition 2011 ,		10
65	A Gradient Vector Flow-Based Method for Video Character Segmentation 2011 ,		21
64	Video Character Recognition through Hierarchical Classification 2011 ,		5
63	Video Script Identification Based on Text Lines 2011 ,		30
62	A novel mutual nearest neighbor based symmetry for text frame classification in video. <i>Pattern Recognition</i> , 2011 , 44, 1671-1683	7.7	23

61	Novel Edge Features for Text Frame Classification in Video 2010 ,		4
60	New Wavelet and Color Features for Text Detection in Video 2010 ,		24
59	New Fourier-Statistical Features in RGB Space for Video Text Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 1520-1532	6.4	51
58	Binarization of historical document images using the local maximum and minimum 2010 ,		117
57	Edge Based Binarization for Video Text Images 2010 ,		16
56	Document image binarization using background estimation and stroke edges. <i>International Journal on Document Analysis and Recognition</i> , 2010 , 13, 303-314	3.8	132
55	Identification of scripts and orientations of degraded document images. <i>Pattern Analysis and Applications</i> , 2010 , 13, 469-475	2.3	3
54	Accurate video text detection through classification of low and high contrast images. <i>Pattern Recognition</i> , 2010 , 43, 2165-2185	7.7	53
53	A kernel-based feature weighting for text classification 2009 ,		5
52	Character Recognition under Severe Perspective Distortion 2009 ,		7
51	A unified framework for document restoration using inpainting and shape-from-shading. <i>Pattern Recognition</i> , 2009 , 42, 2961-2978	7.7	37
50	A Gradient Difference Based Technique for Video Text Detection 2009 ,		34
49	Video text detection based on filters and edge features 2009 ,		22
48	A Robust Wavelet Transform Based Technique for Video Text Detection 2009 ,		34
47	A Laplacian Method for Video Text Detection 2009 ,		55
46	An Efficient Edge Based Technique for Text Detection in Video Frames 2008 ,		33
45	Text Mining in Radiology Reports 2008 ,		9
44	Script and language identification in noisy and degraded document images. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 14-24	13.3	45

43	An improved physically-based method for geometric restoration of distorted document images. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 728-34	13.3	29
42	Document image retrieval through word shape coding. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 1913-8	13.3	47
41	Script identification of camera-based images 2008 ,		14
40	CO-CLUSTERING BIPARTITE WITH PATTERN PRESERVATION FOR TOPIC EXTRACTION. <i>International Journal on Artificial Intelligence Tools</i> , 2008 , 17, 87-107	0.9	6
39	Hemorrhage slices detection in brain CT images 2008 ,		15
38	A Twin-Candidate Model for Learning-Based Anaphora Resolution. <i>Computational Linguistics</i> , 2008 , 34, 327-356	2.8	17
37	Retrieval of machine-printed Latin documents through Word Shape Coding. <i>Pattern Recognition</i> , 2008 , 41, 1799-1809	7.7	42
36	Removing Shading Distortions in Camera-based Document Images Using Inpainting and Surface Fitting With Radial Basis Functions. <i>Proc Int Conf Doc Anal Recognit</i> , 2007 ,		7
35	Learning model order from labeled and unlabeled data for partially supervised classification, with application to word sense disambiguation. <i>Computer Speech and Language</i> , 2007 , 21, 609-619	2.8	2
34	Convex hull based skew estimation. <i>Pattern Recognition</i> , 2007 , 40, 456-475	7.7	13
33	Shape from Shading Based on Lax-Friedrichs Fast Sweeping and Regularization Techniques With Applications to Document Image Restoration 2007 ,		7
32	Thresholding of badly illuminated document images through photometric correction 2007 ,		9
31	A Restoration Framework for Correcting Photometric and Geometric Distortions in Camera-based Document Images 2007 ,		7
30	Identification of Latin-Based Languages through Character Stroke Categorization. <i>Proc Int Conf Doc Anal Recognit</i> , 2007 ,		2
29	CONSTRUCTING AREA VORONOI DIAGRAM BASED ON DIRECT CALCULATION OF THE FREEMAN CODE OF EXPANDED CONTOURS. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2007 , 21, 947-960	1.1	3
28	Document Flattening through Grid Modeling and Regularization 2006 ,		1
27	Automatic document orientation detection and categorization through document vectorization 2006 ,		10
26	Camera Text Recognition based on Perspective Invariants 2006 ,		1

25	Finding the Best-Fit Bounding-Boxes. <i>Lecture Notes in Computer Science</i> , 2006 , 268-279	0.9	5
24	From range data to animated anatomy-based faces: a model adaptation method 2005 ,		2
23	Fiducial line based skew estimation. <i>Pattern Recognition</i> , 2005 , 38, 2333-2350	7.7	8
22	A hybrid post-processing system for offline handwritten Chinese script recognition. <i>Pattern Analysis and Applications</i> , 2005 , 8, 272-286	2.3	11
21	Word sense disambiguation using label propagation based semi-supervised learning 2005 ,		29
20	Contextual post-processing based on the confusion matrix in offline handwritten Chinese script recognition. <i>Pattern Recognition</i> , 2004 , 37, 1901-1912	7.7	17
19	Italic font recognition using stroke pattern analysis on wavelet decomposed word images 2004 ,		8
18	Information retrieval in document image databases. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2004 , 16, 1398-1410	4.2	23
17	Text Retrieval from Document Images Based on Word Shape Analysis. <i>Applied Intelligence</i> , 2003 , 18, 257-270	4.9	9
16	A nearest-neighbor chain based approach to skew estimation in document images. <i>Pattern Recognition Letters</i> , 2003 , 24, 2315-2323	4.7	58
15	Document retrieval from compressed images. <i>Pattern Recognition</i> , 2003 , 36, 987-996	7.7	18
14	Word Extraction Using Area Voronoi Diagram 2003 ,		2
13	SEGMENTATION OF HANDWRITTEN CHINESE CHARACTERS FROM DESTINATION ADDRESSES OF MAIL PIECES. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2002 , 16, 85-96	1.1	8
12	Combining character-based bigrams with word-based bigrams in contextual postprocessing for Chinese script recognition. <i>ACM Transactions on Asian Language Information Processing</i> , 2002 , 1, 297-309		5
11	Imaged document text retrieval without OCR. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2002 , 24, 838-844	13.3	54
10	Restoration of archival documents using a wavelet technique. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2002 , 24, 1399-1404	13.3	52
9	Alignment and Matching of Bilingual English-Chinese News Texts. <i>Machine Translation</i> , 1999 , 14, 1-33	1.1	1
8	An empirical study of statistical language models for contextual post-processing of Chinese script recognition		1

7	Retrieving imaged documents in digital libraries based on word image coding	6
6	Word searching in CCITT group 4 compressed document images	2
5	Directional wavelet approach to remove document image interference	2
4	Improved nearest neighbor based approach to accurate document skew estimation	12
3	An approach to word image matching based on weighted Hausdorff distance	20
2	Word spotting in Chinese document images without layout analysis	6
1	Similarity measure for CCITT Group 4 compressed document images	1