

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.

163 papers	3,273 citations	30 h-index	51 g-index
183 ext. papers	4,409 ext. citations	5 avg, IF	6.16 L-index

#	Paper	IF	Citations
163	Deep Matching Prior Network: Toward Tighter Multi-oriented Text Detection 2017 ,		149
162	MORAN: A Multi-Object Rectified Attention Network for scene text recognition. <i>Pattern Recognition</i> , 2019 , 90, 109-118	7.7	142
161	High performance offline handwritten Chinese character recognition using GoogLeNet and directional feature maps 2015 ,		136
160	A New CNN-Based Method for Multi-Directional Car License Plate Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 507-517	6.1	133
159	Person Re-Identification by Regularized Smoothing KISS Metric Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1675-1685	6.4	132
158	Activity recognition from acceleration data based on discrete cosine transform and SVM 2009 ,		130
157	Rank preserving sparse learning for Kinect based scene classification. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 1406-17	10.2	112
156	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 833-844	6.6	96
155	Building fast and compact convolutional neural networks for offline handwritten Chinese character recognition. <i>Pattern Recognition</i> , 2017 , 72, 72-81	7.7	90
154	Principal Component 2-D Long Short-Term Memory for Font Recognition on Single Chinese Characters. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 756-65	10.2	74
153	Curved scene text detection via transverse and longitudinal sequence connection. <i>Pattern Recognition</i> , 2019 , 90, 337-345	7.7	73
152	DropSample: A new training method to enhance deep convolutional neural networks for large-scale unconstrained handwritten Chinese character recognition. <i>Pattern Recognition</i> , 2016 , 58, 190-203	7.7	70
151	ABCNet: Real-Time Scene Text Spotting With Adaptive Bezier-Curve Network 2020 ,		69
150	Rank Preserving Discriminant Analysis for Human Behavior Recognition on Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 813-823	11.9	63
149	Hierarchical Deep Reinforcement Learning for Continuous Action Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5174-5184	10.3	60
148	DeepWriterID: An End-to-End Online Text-Independent Writer Identification System. <i>IEEE Intelligent Systems</i> , 2016 , 31, 45-53	4.2	60
147	A New Writing Experience: Finger Writing in the Air Using a Kinect Sensor. <i>IEEE MultiMedia</i> , 2013 , 20, 85-93	2.1	60

146	Building compact MQDF classifier for large character set recognition by subspace distribution sharing. <i>Pattern Recognition</i> , 2008 , 41, 2916-2925	7.7	54
145	Decoupled Attention Network for Text Recognition. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 12216-12224	5	54
144	Learning Spatial-Semantic Context with Fully Convolutional Recurrent Network for Online Handwritten Chinese Text Recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 1903-1917	13.3	49
143	Optimized graph-based segmentation for ultrasound images. <i>Neurocomputing</i> , 2014 , 129, 216-224	5.4	43
142	SCUT-COUCH2009: A comprehensive online unconstrained Chinese handwriting database and benchmark evaluation. <i>International Journal on Document Analysis and Recognition</i> , 2011 , 14, 53-64	3.8	43
141	Resource Allocation and Task Offloading for Heterogeneous Real-Time Tasks With Uncertain Duration Time in a Fog Queueing System. <i>IEEE Access</i> , 2019 , 7, 9912-9925	3.5	39
140	DeepText: A new approach for text proposal generation and text detection in natural images 2017 ,		37
139	SCUT-FBP5500: A Diverse Benchmark Dataset for Multi-Paradigm Facial Beauty Prediction 2018 ,		36
138	SCUT-FBP: A Benchmark Dataset for Facial Beauty Perception 2015 ,		33
137	Omnidirectional Scene Text Detection with Sequential-free Box Discretization 2019 ,		33
136	Toward high-performance online HCCR: A CNN approach with DropDistortion , path signature and spatial stochastic max-pooling. <i>Pattern Recognition Letters</i> , 2017 , 89, 60-66	4.7	31
135	Improved deep convolutional neural network for online handwritten Chinese character recognition using domain-specific knowledge 2015 ,		31
134	Recurrent Adaptation Networks for Online Signature Verification. <i>IEEE Transactions on Information Forensics and Security</i> , 2019 , 14, 1624-1637	8	31
133	Facial skin beautification using adaptive region-aware masks. <i>IEEE Transactions on Cybernetics</i> , 2014 , 44, 2600-12	10.2	28
132	HANDWRITTEN CHINESE CHARACTER RECOGNITION WITH DIRECTIONAL DECOMPOSITION CELLULAR FEATURES. <i>Journal of Circuits, Systems and Computers</i> , 1998 , 08, 517-524	0.9	27
131	ICDAR2019 Robust Reading Challenge on Arbitrary-Shaped Text - RRC-ArT 2019 ,		27
130	Facial attractiveness prediction using psychologically inspired convolutional neural network (PI-CNN) 2017 ,		24
129	DLANet: A manifold-learning-based discriminative feature learning network for scene classification. <i>Neurocomputing</i> , 2015 , 157, 11-21	5.4	24

128	Text Recognition in the Wild. <i>ACM Computing Surveys</i> , 2021 , 54, 1-35	13.4	24
127	A Hybrid Network for ERP Detection and Analysis Based on Restricted Boltzmann Machine. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 563-572	4.8	23
126	Online Signature Verification Using Recurrent Neural Network and Length-Normalized Path Signature Descriptor 2017 ,		23
125	2009 ,		23
124	Discriminative information preservation for face recognition. <i>Neurocomputing</i> , 2012 , 91, 11-20	5.4	22
123	A Pointing Gesture Based Egocentric Interaction System: Dataset, Approach and Application 2016 ,		22
122	Character-SIFT: A Novel Feature for Offline Handwritten Chinese Character Recognition 2009 ,		21
121	Arbitrarily Shaped Scene Text Detection with a Mask Tightness Text Detector. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	21
120	Fully Convolutional Sequence Recognition Network for Water Meter Number Reading. <i>IEEE Access</i> , 2019 , 7, 11679-11687	3.5	20
119	Dense and Tight Detection of Chinese Characters in Historical Documents: Datasets and a Recognition Guided Detector. <i>IEEE Access</i> , 2018 , 6, 30174-30183	3.5	20
118	A NOVEL VISION-BASED FINGER-WRITING CHARACTER RECOGNITION SYSTEM. <i>Journal of Circuits, Systems and Computers</i> , 2007 , 16, 421-436	0.9	20
117	Multi-Task Deep Reinforcement Learning for Continuous Action Control 2017 ,		20
116	ICDAR 2019 Competition on Large-Scale Street View Text with Partial Labeling - RRC-LSVT 2019 ,		20
115	DeRPN: Taking a Further Step toward More General Object Detection. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 9046-9053	5	19
114	DeepFinger: A Cascade Convolutional Neuron Network Approach to Finger Key Point Detection in Egocentric Vision with Mobile Camera 2015 ,		18
113	Vision-based Vehicle Type Classification Using Partial Gabor Filter Bank 2007 ,		18
112	Weakly supervised precise segmentation for historical document images. <i>Neurocomputing</i> , 2019 , 350, 271-281	5.4	17
111	Adaptive embedding gate for attention-based scene text recognition. <i>Neurocomputing</i> , 2020 , 381, 261-274	3.4	16

110	STAN: A sequential transformation attention-based network for scene text recognition. <i>Pattern Recognition</i> , 2021 , 111, 107692	7.7	16
109	2019 ,		15
108	Recognition confidence analysis of handwritten Chinese character with CNN 2015 ,		14
107	Radical aggregation network for few-shot offline handwritten Chinese character recognition. <i>Pattern Recognition Letters</i> , 2019 , 125, 821-827	4.7	14
106	Fourier Contour Embedding for Arbitrary-Shaped Text Detection 2021 ,		14
105	SynSig2Vec: Learning Representations from Synthetic Dynamic Signatures for Real-World Verification. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2020 , 34, 735-742	5	13
104	Similar handwritten Chinese character recognition by kernel discriminative locality alignment. <i>Pattern Recognition Letters</i> , 2014 , 35, 186-194	4.7	12
103	2009 ,		12
102	Incremental learning of LDA model for Chinese writer adaptation. <i>Neurocomputing</i> , 2010 , 73, 1614-1623	5.4	12
101	A Fast and Accurate Fully Convolutional Network for End-to-End Handwritten Chinese Text Segmentation and Recognition 2019 ,		12
100	Large-scale extraction of drug-disease pairs from the medical literature. <i>Journal of the Association for Information Science and Technology</i> , 2017 , 68, 2649-2661	2.7	12
99	Edge-Aware Label Propagation for Mobile Facial Enhancement on the Cloud. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 125-138	6.4	11
98	. <i>IEEE Transactions on Information Forensics and Security</i> , 2020 , 15, 3553-3566	8	11
97	DropRegion training of inception font network for high-performance Chinese font recognition. <i>Pattern Recognition</i> , 2018 , 77, 395-411	7.7	11
96	Sparse Discriminative Information Preservation for Chinese character font categorization. <i>Neurocomputing</i> , 2014 , 129, 159-167	5.4	11
95	A naturalistic 3D acceleration-based activity dataset & benchmark evaluations 2010 ,		11
94	Similar Handwritten Chinese Character Recognition Using Discriminative Locality Alignment Manifold Learning 2011 ,		11
93	Joint Layout Analysis, Character Detection and Recognition for Historical Document Digitization 2020 ,		11

92	EraseNet: End-to-End Text Removal in the Wild. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	11
91	Combined Segmentation and Recognition of Online Handwritten Diagrams with High Order Markov Random Field 2016 ,		11
90	Detecting Heads using Feature Refine Net and Cascaded Multi-scale Architecture 2018 ,		11
89	Skeleton-Based Gesture Recognition Using Several Fully Connected Layers with Path Signature Features and Temporal Transformer Module. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 8585-8593	5	10
88	2017 ,		10
87	EPAN: Effective parts attention network for scene text recognition. <i>Neurocomputing</i> , 2020 , 376, 202-213,	5.4	10
86	Robust shared feature learning for script and handwritten/machine-printed identification. <i>Pattern Recognition Letters</i> , 2017 , 100, 6-13	4.7	9
85	An Investigation of Imaginary Stroke Technique for Cursive Online Handwriting Chinese Character Recognition 2009 ,		9
84	Improving Attention-Based Handwritten Mathematical Expression Recognition with Scale Augmentation and Drop Attention 2020 ,		9
83	YOLSE: Egocentric Fingertip Detection from Single RGB Images 2017 ,		8
82	Face features extraction based on multi-scale LBP 2010 ,		8
81	Attribute-Aware Convolutional Neural Networks for Facial Beauty Prediction 2019 ,		8
80	Skeleton-based action recognition using sparse spatio-temporal GCN with edge effective resistance. <i>Neurocomputing</i> , 2021 , 423, 389-398	5.4	8
79	Separating Content from Style Using Adversarial Learning for Recognizing Text in the Wild. <i>International Journal of Computer Vision</i> , 2021 , 129, 960-976	10.6	8
78	PS-LSTM: Capturing Essential Sequential Online Information with Path Signature and LSTM for Writer Identification 2017 ,		7
77	A novel orientation free method for online unconstrained cursive handwritten chinese word recognition 2008 ,		7
76	SpottingNet: Learning the Similarity of Word Images with Convolutional Neural Network for Word Spotting in Handwritten Historical Documents 2016 ,		7
75	Offline Writer Identification Based on the Path Signature Feature 2019 ,		7

74	SCUT-EPT: New Dataset and Benchmark for Offline Chinese Text Recognition in Examination Paper. <i>IEEE Access</i> , 2019 , 7, 370-382	3.5	7
73	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 454-467	6.6	7
72	Learning Discriminative Feature Hierarchies for Off-Line Signature Verification 2018 ,		7
71	Precise detection of Chinese characters in historical documents with deep reinforcement learning. <i>Pattern Recognition</i> , 2020 , 107, 107503	7.7	6
70	LPSNet: A Novel Log Path Signature Feature Based Hand Gesture Recognition Framework 2017 ,		6
69	A New Face Relighting Method Based on Edge-Preserving Filter. <i>IEICE Transactions on Information and Systems</i> , 2013 , E96.D, 2904-2907	0.6	6
68	High Performance Offline Handwritten Chinese Text Recognition with a New Data Preprocessing and Augmentation Pipeline. <i>Lecture Notes in Computer Science</i> , 2020 , 45-59	0.9	6
67	Recognition of Chinese Text in Historical Documents with Page-Level Annotations 2018 ,		6
66	. <i>IEEE Transactions on Affective Computing</i> , 2019 , 1-1	5.7	5
65	2017 ,		5
64	Laplacian Support Vector Machines with Multi-Kernel Learning. <i>IEICE Transactions on Information and Systems</i> , 2011 , E94-D, 379-383	0.6	5
63	A Graph-Based Segmentation Method for Breast Tumors in Ultrasound Images. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010 ,		5
62	Incremental MQDF Learning for Writer Adaptive Handwriting Recognition 2010 ,		5
61	A New Method for Rotation Free Method for Online Unconstrained Handwritten Chinese Word Recognition: A Holistic Approach 2009 ,		5
60	Convolutional Multi-directional Recurrent Network for Offline Handwritten Text Recognition 2016 ,		5
59	Discovering similar Chinese characters in online handwriting with deep convolutional neural networks. <i>International Journal on Document Analysis and Recognition</i> , 2016 , 19, 237-252	3.8	5
58	SynSig2Vec: Forgery-free Learning of Dynamic Signature Representations by Sigma Lognormal-based Synthesis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	5
57	SVC-onGoing: Signature verification competition. <i>Pattern Recognition</i> , 2022 , 127, 108609	7.7	5

56	SaHAN: Scale-aware hierarchical attention network for scene text recognition. <i>Pattern Recognition Letters</i> , 2020 , 136, 205-211	4.7	4
55	Image-Based Rendering for Ink Painting 2013 ,		4
54	Facial Skin Beautification Using Region-Aware Mask 2013 ,		4
53	Accurate Image Registration Using SIFT for Extended-Field-of-View Sonography. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010 ,		4
52	A Kai Style Calligraphic Beautification Method for Handwriting Chinese Character 2009 ,		4
51	Dimensionality Reduction by Locally Linear Discriminant Analysis for Handwritten Chinese Character Recognition. <i>IEICE Transactions on Information and Systems</i> , 2012 , E95.D, 2533-2543	0.6	4
50	A Simplified Non-Gaussian Mixture Model for Signal LO Detection in a-Stable Interference 2008 ,		4
49	Point-to-Set Similarity Based Deep Metric Learning for Offline Signature Verification 2020 ,		4
48	. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 2, 128-145	4.7	4
47	Exploring the Capacity of an Orderless Box Discretization Network for Multi-orientation Scene Text Detection. <i>International Journal of Computer Vision</i> , 2021 , 129, 1972-1992	10.6	4
46	ABCNet v2: Adaptive Bezier-Curve Network for Real-time End-to-end Text Spotting. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	4
45	Distilling GRU with Data Augmentation for Unconstrained Handwritten Text Recognition 2018 ,		4
44	Accelerating and Compressing LSTM Based Model for Online Handwritten Chinese Character Recognition 2018 ,		4
43	R2-ResNeXt: A ResNeXt-Based Regression Model with Relative Ranking for Facial Beauty Prediction 2018 ,		4
42	Real-Time Monocular Vision System for UAV Autonomous Landing in Outdoor Low-Illumination Environments. <i>Sensors</i> , 2021 , 21,	3.8	4
41	Two-Stage Adaptive Classification Cloud Workload Prediction Based on Neural Networks. <i>International Journal of Grid and High Performance Computing</i> , 2019 , 11, 1-23	0.7	3
40	A Content-Aware Image Retargeting Quality Assessment Method Using Foreground and Global Measurement. <i>IEEE Access</i> , 2019 , 7, 91912-91923	3.5	3
39	Rapid Image Registration for Extended-Field-of-View Ultrasound. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010 ,		3

38	RD-GAN: Few/Zero-Shot Chinese Character Style Transfer via Radical Decomposition and Rendering. <i>Lecture Notes in Computer Science</i> , 2020 , 156-172	0.9	3
37	SCUT-HCCDoc: A new benchmark dataset of handwritten Chinese text in unconstrained camera-captured documents. <i>Pattern Recognition</i> , 2020 , 108, 107559	7.7	3
36	Attention After Attention: Reading Text in the Wild with Cross Attention 2019 ,		3
35	Automatic labeling of large amounts of handwritten characters with gate-guided dynamic deep learning. <i>Pattern Recognition Letters</i> , 2019 , 119, 94-102	4.7	3
34	Domain Knowledge Embedding Regularization Neural Networks for Workload Prediction and Analysis in Cloud Computing. <i>Journal of Information Technology Research</i> , 2018 , 11, 137-154	0.7	3
33	Rotation-Free Online Handwritten Chinese Character Recognition using Two-Stage Convolutional Neural Network 2018 ,		3
32	PDE Learning of Filtering and Propagation for Task-Aware Facial Intrinsic Image Analysis. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
31	Online heterogeneous feature fusion machines for visual recognition. <i>Neurocomputing</i> , 2014 , 123, 100-109	1.9	2
30	Finger-writing-in-the-air system using Kinect sensor 2013 ,		2
29	2017 ,		2
28	A PLSA-Based Semantic Bag Generator with Application to Natural Scene Classification under Multi-instance Multi-label Learning Framework 2009 ,		2
27	A Method for Layout Evaluation of Online Handwritten Chinese Character Quality Based on Template 2008 ,		2
26	Fully convolutional recurrent network for handwritten Chinese text recognition 2016 ,		2
25	Handwritten/Printed Receipt Classification Using Attention-Based Convolutional Neural Network 2016 ,		2
24	Learning deep neural network using max-margin minimum classification error 2016 ,		2
23	Human Action Recognition in Unconstrained Trimmed Videos Using Residual Attention Network and Joints Path Signature. <i>IEEE Access</i> , 2019 , 7, 121212-121222	3.5	1
22	An Empirical Comparative Study of Online Handwriting Chinese Character Recognition: Simplified vs. Traditional 2013 ,		1
21	Identifying Machine-Printed and Handwritten Texts Using DropRegion and Deep Convolutional Network 2017 ,		1

20	A New Rotation Feature for Single Tri-axial Accelerometer Based 3D Spatial Handwritten Digit Recognition 2010 ,		1
19	A New Approach for Synthesis and Recognition of Large Scale Handwritten Chinese Words 2010 ,		1
18	SCUT-COUCH Textline_NU: An Unconstrained Online Handwritten Chinese Text Lines Dataset 2010 ,		1
17	An unsupervised feature ranking scheme by discovering biclusters 2009 ,		1
16	Gesture recognition based on 3D accelerometer for cell phones interaction 2008 ,		1
15	Car plate number characters recognition using Gabor orientation features and neural networks 2003 ,		1
14	Rotation-free online handwritten character recognition using dyadic path signature features, hanging normalization, and deep neural network 2016 ,		1
13	2019 ,		1
12	Focus on Scene Text Using Deep Reinforcement Learning 2018 ,		1
11	ICDAR 2021 Competition on On-Line Signature Verification. <i>Lecture Notes in Computer Science</i> , 2021 , 723-737	0.9	1
10	Towards Fast, Accurate and Compact Online Handwritten Chinese Text Recognition. <i>Lecture Notes in Computer Science</i> , 2021 , 157-171	0.9	1
9	SLOGAN: Handwriting Style Synthesis for Arbitrary-Length and Out-of-Vocabulary Text.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	1
8	HCRCaaS: A Handwritten Character Recognition Container as a Service Based on QoS Guarantee Algorithm. <i>Scientific Programming</i> , 2018 , 2018, 1-16	1.4	0
7	Zero-Shot Chinese Text Recognition via Matching Class Embedding. <i>Lecture Notes in Computer Science</i> , 2021 , 127-141	0.9	0
6	Arbitrarily shaped scene text detection with dynamic convolution. <i>Pattern Recognition</i> , 2022 , 127, 108608-7	0.7	0
5	Online Multikernel Learning Based on a Triple-Norm Regularizer for Semantic Image Classification. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-13	1.1	
4	Deep Word Association: A Flexible Chinese Word Association Method with Iterative Attention Mechanism. <i>Lecture Notes in Computer Science</i> , 2018 , 112-123	0.9	
3	Two-dimensional multi-scale perceptive context for scene text recognition. <i>Neurocomputing</i> , 2020 , 413, 410-421	5.4	

2	A Multi-level Progressive Rectification Mechanism for Irregular Scene Text Recognition. <i>Lecture Notes in Computer Science</i> , 2021 , 140-155	0.9
1	DsDTW: Local Representation Learning with Deep soft-DTW for Dynamic Signature Verification. <i>IEEE Transactions on Information Forensics and Security</i> , 2022 , 1-1	8