

# Lianwen Jin

## 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.

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	Arbitrarily shaped scene text detection with dynamic convolution. <i>Pattern Recognition</i> , <b>2022</b> , 127, 108608-108617	7.7	0
162	SVC-onGoing: Signature verification competition. <i>Pattern Recognition</i> , <b>2022</b> , 127, 108609	7.7	5
161	SLOGAN: Handwriting Style Synthesis for Arbitrary-Length and Out-of-Vocabulary Text.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , PP,	10.3	1
160	DsDTW: Local Representation Learning with Deep soft-DTW for Dynamic Signature Verification. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2022</b> , 1-1	8	
159	Fourier Contour Embedding for Arbitrary-Shaped Text Detection <b>2021</b> ,		14
158	Text Recognition in the Wild. <i>ACM Computing Surveys</i> , <b>2021</b> , 54, 1-35	13.4	24
157	. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2021</b> , 2, 128-145	4.7	4
156	Exploring the Capacity of an Orderless Box Discretization Network for Multi-orientation Scene Text Detection. <i>International Journal of Computer Vision</i> , <b>2021</b> , 129, 1972-1992	10.6	4
155	. <i>IEEE Transactions on Multimedia</i> , <b>2021</b> , 23, 454-467	6.6	7
154	STAN: A sequential transformation attention-based network for scene text recognition. <i>Pattern Recognition</i> , <b>2021</b> , 111, 107692	7.7	16
153	Skeleton-based action recognition using sparse spatio-temporal GCN with edge effective resistance. <i>Neurocomputing</i> , <b>2021</b> , 423, 389-398	5.4	8
152	ABCNet v2: Adaptive Bezier-Curve Network for Real-time End-to-end Text Spotting. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	4
151	SynSig2Vec: Forgery-free Learning of Dynamic Signature Representations by Sigma Lognormal-based Synthesis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	5
150	Real-Time Monocular Vision System for UAV Autonomous Landing in Outdoor Low-Illumination Environments. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
149	A Multi-level Progressive Rectification Mechanism for Irregular Scene Text Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 140-155	0.9	
148	ICDAR 2021 Competition on On-Line Signature Verification. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 723-737	0.9	1
147	Zero-Shot Chinese Text Recognition via Matching Class Embedding. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 127-141	0.9	0

146	Towards Fast, Accurate and Compact Online Handwritten Chinese Text Recognition. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 157-171	0.9	1
145	Separating Content from Style Using Adversarial Learning for Recognizing Text in the Wild. <i>International Journal of Computer Vision</i> , <b>2021</b> , 129, 960-976	10.6	8
144	Precise detection of Chinese characters in historical documents with deep reinforcement learning. <i>Pattern Recognition</i> , <b>2020</b> , 107, 107503	7.7	6
143	SaHAN: Scale-aware hierarchical attention network for scene text recognition. <i>Pattern Recognition Letters</i> , <b>2020</b> , 136, 205-211	4.7	4
142	PDE Learning of Filtering and Propagation for Task-Aware Facial Intrinsic Image Analysis. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	2
141	. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2020</b> , 15, 3553-3566	8	11
140	Joint Layout Analysis, Character Detection and Recognition for Historical Document Digitization <b>2020</b> ,		11
139	Improving Attention-Based Handwritten Mathematical Expression Recognition with Scale Augmentation and Drop Attention <b>2020</b> ,		9
138	Point-to-Set Similarity Based Deep Metric Learning for Offline Signature Verification <b>2020</b> ,		4
137	High Performance Offline Handwritten Chinese Text Recognition with a New Data Preprocessing and Augmentation Pipeline. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 45-59	0.9	6
136	RD-GAN: Few/Zero-Shot Chinese Character Style Transfer via Radical Decomposition and Rendering. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 156-172	0.9	3
135	Adaptive embedding gate for attention-based scene text recognition. <i>Neurocomputing</i> , <b>2020</b> , 381, 261-274	7.4	16
134	EPAN: Effective parts attention network for scene text recognition. <i>Neurocomputing</i> , <b>2020</b> , 376, 202-213	5.4	10
133	EraseNet: End-to-End Text Removal in the Wild. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , PP,	8.7	11
132	SCUT-HCCDoc: A new benchmark dataset of handwritten Chinese text in unconstrained camera-captured documents. <i>Pattern Recognition</i> , <b>2020</b> , 108, 107559	7.7	3
131	Two-dimensional multi-scale perceptive context for scene text recognition. <i>Neurocomputing</i> , <b>2020</b> , 413, 410-421	5.4	
130	Decoupled Attention Network for Text Recognition. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2020</b> , 34, 12216-12224	5	54
129	SynSig2Vec: Learning Representations from Synthetic Dynamic Signatures for Real-World Verification. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2020</b> , 34, 735-742	5	13

128	ABCNet: Real-Time Scene Text Spotting With Adaptive Bezier-Curve Network <b>2020</b> ,		69
127	. <i>IEEE Transactions on Affective Computing</i> , <b>2019</b> , 1-1	5.7	5
126	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> , <b>2019</b> , 33, 8585-8593	5	10
125	Fully Convolutional Sequence Recognition Network for Water Meter Number Reading. <i>IEEE Access</i> , <b>2019</b> , 7, 11679-11687	3.5	20
124	Resource Allocation and Task Offloading for Heterogeneous Real-Time Tasks With Uncertain Duration Time in a Fog Queueing System. <i>IEEE Access</i> , <b>2019</b> , 7, 9912-9925	3.5	39
123	Weakly supervised precise segmentation for historical document images. <i>Neurocomputing</i> , <b>2019</b> , 350, 271-281	5.4	17
122	Two-Stage Adaptive Classification Cloud Workload Prediction Based on Neural Networks. <i>International Journal of Grid and High Performance Computing</i> , <b>2019</b> , 11, 1-23	0.7	3
121	Curved scene text detection via transverse and longitudinal sequence connection. <i>Pattern Recognition</i> , <b>2019</b> , 90, 337-345	7.7	73
120	Radical aggregation network for few-shot offline handwritten Chinese character recognition. <i>Pattern Recognition Letters</i> , <b>2019</b> , 125, 821-827	4.7	14
119	DeRPN: Taking a Further Step toward More General Object Detection. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2019</b> , 33, 9046-9053	5	19
118	A Content-Aware Image Retargeting Quality Assessment Method Using Foreground and Global Measurement. <i>IEEE Access</i> , <b>2019</b> , 7, 91912-91923	3.5	3
117	Human Action Recognition in Unconstrained Trimmed Videos Using Residual Attention Network and Joints Path Signature. <i>IEEE Access</i> , <b>2019</b> , 7, 121212-121222	3.5	1
116	Attribute-Aware Convolutional Neural Networks for Facial Beauty Prediction <b>2019</b> ,		8
115	Omnidirectional Scene Text Detection with Sequential-free Box Discretization <b>2019</b> ,		33
114	Arbitrarily Shaped Scene Text Detection with a Mask Tightness Text Detector. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	21
113	Offline Writer Identification Based on the Path Signature Feature <b>2019</b> ,		7
112	ICDAR 2019 Competition on Large-Scale Street View Text with Partial Labeling - RRC-LSVT <b>2019</b> ,		20
111	ICDAR2019 Robust Reading Challenge on Arbitrary-Shaped Text - RRC-ArT <b>2019</b> ,		27

110	Attention After Attention: Reading Text in the Wild with Cross Attention <b>2019</b> ,		3
109	<b>2019</b> ,		1
108	<b>2019</b> ,		15
107	A Fast and Accurate Fully Convolutional Network for End-to-End Handwritten Chinese Text Segmentation and Recognition <b>2019</b> ,		12
106	Recurrent Adaptation Networks for Online Signature Verification. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2019</b> , 14, 1624-1637	8	31
105	SCUT-EPT: New Dataset and Benchmark for Offline Chinese Text Recognition in Examination Paper. <i>IEEE Access</i> , <b>2019</b> , 7, 370-382	3.5	7
104	MORAN: A Multi-Object Rectified Attention Network for scene text recognition. <i>Pattern Recognition</i> , <b>2019</b> , 90, 109-118	7.7	142
103	Automatic labeling of large amounts of handwritten characters with gate-guided dynamic deep learning. <i>Pattern Recognition Letters</i> , <b>2019</b> , 119, 94-102	4.7	3
102	A Hybrid Network for ERP Detection and Analysis Based on Restricted Boltzmann Machine. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 563-572	4.8	23
101	A New CNN-Based Method for Multi-Directional Car License Plate Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2018</b> , 19, 507-517	6.1	133
100	DropRegion training of inception font network for high-performance Chinese font recognition. <i>Pattern Recognition</i> , <b>2018</b> , 77, 395-411	7.7	11
99	Hierarchical Deep Reinforcement Learning for Continuous Action Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 5174-5184	10.3	60
98	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> , <b>2018</b> , 40, 1903-1917	13.3	49
97	Dense and Tight Detection of Chinese Characters in Historical Documents: Datasets and a Recognition Guided Detector. <i>IEEE Access</i> , <b>2018</b> , 6, 30174-30183	3.5	20
96	Deep Word Association: A Flexible Chinese Word Association Method with Iterative Attention Mechanism. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 112-123	0.9	
95	SCUT-FBP5500: A Diverse Benchmark Dataset for Multi-Paradigm Facial Beauty Prediction <b>2018</b> ,		36
94	Detecting Heads using Feature Refine Net and Cascaded Multi-scale Architecture <b>2018</b> ,		11
93	Domain Knowledge Embedding Regularization Neural Networks for Workload Prediction and Analysis in Cloud Computing. <i>Journal of Information Technology Research</i> , <b>2018</b> , 11, 137-154	0.7	3

92	Learning Discriminative Feature Hierarchies for Off-Line Signature Verification <b>2018</b> ,	7
91	Focus on Scene Text Using Deep Reinforcement Learning <b>2018</b> ,	1
90	Recognition of Chinese Text in Historical Documents with Page-Level Annotations <b>2018</b> ,	6
89	Rotation-Free Online Handwritten Chinese Character Recognition using Two-Stage Convolutional Neural Network <b>2018</b> ,	3
88	Distilling GRU with Data Augmentation for Unconstrained Handwritten Text Recognition <b>2018</b> ,	4
87	Accelerating and Compressing LSTM Based Model for Online Handwritten Chinese Character Recognition <b>2018</b> ,	4
86	R2-ResNeXt: A ResNeXt-Based Regression Model with Relative Ranking for Facial Beauty Prediction <b>2018</b> ,	4
85	HCRCaS: A Handwritten Character Recognition Container as a Service Based on QoS Guarantee Algorithm. <i>Scientific Programming</i> , <b>2018</b> , 2018, 1-16	1.4 0
84	Toward high-performance online HCCR: A CNN approach with DropDistortion , path signature and spatial stochastic max-pooling. <i>Pattern Recognition Letters</i> , <b>2017</b> , 89, 60-66	4.7 31
83	Facial attractiveness prediction using psychologically inspired convolutional neural network (PI-CNN) <b>2017</b> ,	24
82	Edge-Aware Label Propagation for Mobile Facial Enhancement on the Cloud. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 125-138	6.4 11
81	Robust shared feature learning for script and handwritten/machine-printed identification. <i>Pattern Recognition Letters</i> , <b>2017</b> , 100, 6-13	4.7 9
80	PS-LSTM: Capturing Essential Sequential Online Information with Path Signature and LSTM for Writer Identification <b>2017</b> ,	7
79	Building fast and compact convolutional neural networks for offline handwritten Chinese character recognition. <i>Pattern Recognition</i> , <b>2017</b> , 72, 72-81	7.7 90
78	DeepText: A new approach for text proposal generation and text detection in natural images <b>2017</b> ,	37
77	Identifying Machine-Printed and Handwritten Texts Using DropRegion and Deep Convolutional Network <b>2017</b> ,	1
76	Online Signature Verification Using Recurrent Neural Network and Length-Normalized Path Signature Descriptor <b>2017</b> ,	23
75	LPSNet: A Novel Log Path Signature Feature Based Hand Gesture Recognition Framework <b>2017</b> ,	6

74	YOLSE: Egocentric Fingertip Detection from Single RGB Images <b>2017</b> ,		8
73	<b>2017</b> ,		10
72	<b>2017</b> ,		2
71	<b>2017</b> ,		5
70	Deep Matching Prior Network: Toward Tighter Multi-oriented Text Detection <b>2017</b> ,		149
69	Multi-Task Deep Reinforcement Learning for Continuous Action Control <b>2017</b> ,		20
68	Large-scale extraction of drugDisease pairs from the medical literature. <i>Journal of the Association for Information Science and Technology</i> , <b>2017</b> , 68, 2649-2661	2.7	12
67	Principal Component 2-D Long Short-Term Memory for Font Recognition on Single Chinese Characters. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 756-65	10.2	74
66	DeepWriterID: An End-to-End Online Text-Independent Writer Identification System. <i>IEEE Intelligent Systems</i> , <b>2016</b> , 31, 45-53	4.2	60
65	Rotation-free online handwritten character recognition using dyadic path signature features, hanging normalization, and deep neural network <b>2016</b> ,		1
64	Fully convolutional recurrent network for handwritten Chinese text recognition <b>2016</b> ,		2
63	Combined Segmentation and Recognition of Online Handwritten Diagrams with High Order Markov Random Field <b>2016</b> ,		11
62	A Pointing Gesture Based Egocentric Interaction System: Dataset, Approach and Application <b>2016</b> ,		22
61	SpottingNet: Learning the Similarity of Word Images with Convolutional Neural Network for Word Spotting in Handwritten Historical Documents <b>2016</b> ,		7
60	Convolutional Multi-directional Recurrent Network for Offline Handwritten Text Recognition <b>2016</b> ,		5
59	Handwritten/Printed Receipt Classification Using Attention-Based Convolutional Neural Network <b>2016</b> ,		2
58	Discovering similar Chinese characters in online handwriting with deep convolutional neural networks. <i>International Journal on Document Analysis and Recognition</i> , <b>2016</b> , 19, 237-252	3.8	5
57	DropSample: A new training method to enhance deep convolutional neural networks for large-scale unconstrained handwritten Chinese character recognition. <i>Pattern Recognition</i> , <b>2016</b> , 58, 190-203	7.7	70

56	Learning deep neural network using max-margin minimum classification error <b>2016</b> ,		2
55	DLANet: A manifold-learning-based discriminative feature learning network for scene classification. <i>Neurocomputing</i> , <b>2015</b> , 157, 11-21	5.4	24
54	Recognition confidence analysis of handwritten Chinese character with CNN <b>2015</b> ,		14
53	Improved deep convolutional neural network for online handwritten Chinese character recognition using domain-specific knowledge <b>2015</b> ,		31
52	Online Multikernel Learning Based on a Triple-Norm Regularizer for Semantic Image Classification. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-13	1.1	
51	SCUT-FBP: A Benchmark Dataset for Facial Beauty Perception <b>2015</b> ,		33
50	DeepFinger: A Cascade Convolutional Neuron Network Approach to Finger Key Point Detection in Egocentric Vision with Mobile Camera <b>2015</b> ,		18
49	High performance offline handwritten Chinese character recognition using GoogLeNet and directional feature maps <b>2015</b> ,		136
48	Sparse Discriminative Information Preservation for Chinese character font categorization. <i>Neurocomputing</i> , <b>2014</b> , 129, 159-167	5.4	11
47	Online heterogeneous feature fusion machines for visual recognition. <i>Neurocomputing</i> , <b>2014</b> , 123, 100-109	5.4	2
46	Similar handwritten Chinese character recognition by kernel discriminative locality alignment. <i>Pattern Recognition Letters</i> , <b>2014</b> , 35, 186-194	4.7	12
45	Facial skin beautification using adaptive region-aware masks. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 2600-12	10.2	28
44	Optimized graph-based segmentation for ultrasound images. <i>Neurocomputing</i> , <b>2014</b> , 129, 216-224	5.4	43
43	Rank Preserving Discriminant Analysis for Human Behavior Recognition on Wireless Sensor Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 813-823	11.9	63
42	. <i>IEEE Transactions on Multimedia</i> , <b>2013</b> , 15, 833-844	6.6	96
41	Person Re-Identification by Regularized Smoothing KISS Metric Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 1675-1685	6.4	132
40	An Empirical Comparative Study of Online Handwriting Chinese Character Recognition: Simplified vs. Traditional <b>2013</b> ,		1
39	Rank preserving sparse learning for Kinect based scene classification. <i>IEEE Transactions on Cybernetics</i> , <b>2013</b> , 43, 1406-17	10.2	112



38	Finger-writing-in-the-air system using Kinect sensor <b>2013</b> ,		2
37	A New Writing Experience: Finger Writing in the Air Using a Kinect Sensor. <i>IEEE MultiMedia</i> , <b>2013</b> , 20, 85-93	2.1	60
36	Image-Based Rendering for Ink Painting <b>2013</b> ,		4
35	Facial Skin Beautification Using Region-Aware Mask <b>2013</b> ,		4
34	A New Face Relighting Method Based on Edge-Preserving Filter. <i>IEICE Transactions on Information and Systems</i> , <b>2013</b> , E96.D, 2904-2907	0.6	6
33	Discriminative information preservation for face recognition. <i>Neurocomputing</i> , <b>2012</b> , 91, 11-20	5.4	22
32	Dimensionality Reduction by Locally Linear Discriminant Analysis for Handwritten Chinese Character Recognition. <i>IEICE Transactions on Information and Systems</i> , <b>2012</b> , E95.D, 2533-2543	0.6	4
31	Laplacian Support Vector Machines with Multi-Kernel Learning. <i>IEICE Transactions on Information and Systems</i> , <b>2011</b> , E94-D, 379-383	0.6	5
30	SCUT-OUCH2009: a comprehensive online unconstrained Chinese handwriting database and benchmark evaluation. <i>International Journal on Document Analysis and Recognition</i> , <b>2011</b> , 14, 53-64	3.8	43
29	Similar Handwritten Chinese Character Recognition Using Discriminative Locality Alignment Manifold Learning <b>2011</b> ,		11
28	A naturalistic 3D acceleration-based activity dataset & benchmark evaluations <b>2010</b> ,		11
27	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> , <b>2010</b> ,		3
26	Face features extraction based on multi-scale LBP <b>2010</b> ,		8
25	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> , <b>2010</b> ,		4
24	A New Rotation Feature for Single Tri-axial Accelerometer Based 3D Spatial Handwritten Digit Recognition <b>2010</b> ,		1
23	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> , <b>2010</b> ,		5
22	A New Approach for Synthesis and Recognition of Large Scale Handwritten Chinese Words <b>2010</b> ,		1
21	Incremental MQDF Learning for Writer Adaptive Handwriting Recognition <b>2010</b> ,		5

20	SCUT-COUCH Textline_NU: An Unconstrained Online Handwritten Chinese Text Lines Dataset <b>2010</b> ,	1
19	Incremental learning of LDA model for Chinese writer adaptation. <i>Neurocomputing</i> , <b>2010</b> , 73, 1614-1623	5.4 12
18	<b>2009</b> ,	12
17	An unsupervised feature ranking scheme by discovering biclusters <b>2009</b> ,	1
16	A Kai Style Calligraphic Beautification Method for Handwriting Chinese Character <b>2009</b> ,	4
15	An Investigation of Imaginary Stroke Technique for Cursive Online Handwriting Chinese Character Recognition <b>2009</b> ,	9
14	A New Method for Rotation Free Method for Online Unconstrained Handwritten Chinese Word Recognition: A Holistic Approach <b>2009</b> ,	5
13	A PLSA-Based Semantic Bag Generator with Application to Natural Scene Classification under Multi-instance Multi-label Learning Framework <b>2009</b> ,	2
12	Character-SIFT: A Novel Feature for Offline Handwritten Chinese Character Recognition <b>2009</b> ,	21
11	<b>2009</b> ,	23
10	Activity recognition from acceleration data based on discrete cosine transform and SVM <b>2009</b> ,	130
9	Gesture recognition based on 3D accelerometer for cell phones interaction <b>2008</b> ,	1
8	A Method for Layout Evaluation of Online Handwritten Chinese Character Quality Based on Template <b>2008</b> ,	2
7	A novel orientation free method for online unconstrained cursive handwritten chinese word recognition <b>2008</b> ,	7
6	A Simplified Non-Gaussian Mixture Model for Signal LO Detection in a-Stable Interference <b>2008</b> ,	4
5	Building compact MQDF classifier for large character set recognition by subspace distribution sharing. <i>Pattern Recognition</i> , <b>2008</b> , 41, 2916-2925	7.7 54
4	A NOVEL VISION-BASED FINGER-WRITING CHARACTER RECOGNITION SYSTEM. <i>Journal of Circuits, Systems and Computers</i> , <b>2007</b> , 16, 421-436	0.9 20
3	Vision-based Vehicle Type Classification Using Partial Gabor Filter Bank <b>2007</b> ,	18

2	Car plate number characters recognition using Gabor orientation features and neural networks <b>2003,</b>	1
1	HANDWRITTEN CHINESE CHARACTER RECOGNITION WITH DIRECTIONAL DECOMPOSITION CELLULAR FEATURES. <i>Journal of Circuits, Systems and Computers</i> , <b>1998</b> , 08, 517-524	0.9 27