

M N S Swamy

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.

295
papers

2,844
citations

24
h-index

40
g-index

418
ext. papers

3,580
ext. citations

3.3
avg, IF

5.59
L-index

#	Paper	IF	Citations
295	A Low-Complexity Modified ThiNet Algorithm for Pruning Convolutional Neural Networks. <i>IEEE Signal Processing Letters</i> , 2022 , 1-1	3.2	2
294	FPNet: A Deep Light-weight Interpretable Neural Network using Forward Prediction Filtering for Efficient Single Image Super Resolution. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 1-1	3.5	
293	SRNMSM: A Deep Light-Weight Image Super Resolution Network Using Multi-Scale Spatial and Morphological Feature Generating Residual Blocks. <i>IEEE Transactions on Broadcasting</i> , 2021 , 1-11	4.7	2
292	GAN based efficient foreground extraction and HGWOSA based optimization for video synopsis generation 2021 , 111, 102988		2
291	A very fast edge map-based algorithm for accurate motion estimation. <i>Signal, Image and Video Processing</i> , 2021 , 15, 1609-1616	1.6	2
290	MuRNet: A deep recursive network for super resolution of bicubically interpolated images. <i>Signal Processing: Image Communication</i> , 2021 , 94, 116228	2.8	4
289	Prediction of instantaneous likeability of advertisements using deep learning. <i>Cognitive Computation and Systems</i> , 2021 , 3, 263-275	1.2	0
288	An improved scheme for multifeature-based foreground detection using challenging conditions 2021 , 113, 103030		2
287	UPDResNN: A Deep Light-Weight Image Upsampling and Deblurring Residual Neural Network. <i>IEEE Transactions on Broadcasting</i> , 2021 , 67, 538-548	4.7	6
286	SRNSSI: A Deep Light-Weight Network for Single Image Super Resolution Using Spatial and Spectral Information. <i>IEEE Transactions on Computational Imaging</i> , 2021 , 7, 409-421	4.5	3
285	Image Denoising Based on Fractional Gradient Vector Flow and Overlapping Group Sparsity as Priors. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7527-7540	8.7	2
284	RHN: A Residual Holistic Neural Network for Edge Detection. <i>IEEE Access</i> , 2021 , 9, 74646-74658	3.5	3
283	SRNHARB: A deep light-weight image super resolution network using hybrid activation residual blocks. <i>Signal Processing: Image Communication</i> , 2021 , 99, 116509	2.8	2
282	Orthogonal features-based EEG signal denoising using fractionally compressed autoencoder. <i>Signal Processing</i> , 2021 , 188, 108225	4.4	2
281	EFFRBNet: A Deep Super Resolution Network using Edge-Assisted Feature Fusion Residual Blocks 2020 ,		3
280	HSAJAYA: An Improved Optimization Scheme for Consumer Surveillance Video Synopsis Generation. <i>IEEE Transactions on Consumer Electronics</i> , 2020 , 66, 144-152	4.8	5
279	MGHCNET: A Deep Multi-Scale Granular and Holistic Channel Feature Generation Network for Image Super Resolution 2020 ,		2

278	An Adaptive Turn Rate Estimation for Tracking a Maneuvering Target. <i>IEEE Access</i> , 2020 , 8, 94176-94189	3.5	8
277	A Reconfigurable Implementation of Elliptic Curve Cryptography over GF ((2^n)). <i>Communications in Computer and Information Science</i> , 2020 , 87-107	0.3	
276	. <i>IEEE Access</i> , 2020 , 8, 96649-96660	3.5	
275	Srnmfrb: A Deep Light-Weight Super Resolution Network Using Multi-Receptive Field Feature Generation Residual Blocks 2020 ,		1
274	Gray-level image denoising with an improved weighted sparse coding. <i>Journal of Visual Communication and Image Representation</i> , 2020 , 72, 102895	2.7	4
273	Hardware-Friendly Laplacian-Based Multi-Focus Image Fusion in DCT Domain for Visual Sensor Network. <i>IEEE Access</i> , 2020 , 8, 165720-165739	3.5	
272	Timing and Frequency Synchronization and Doubly Selective Channel Estimation for OFDMA Uplink. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 62-66	3.5	2
271	An improved surveillance video synopsis framework: a HSATLBO optimization approach. <i>Multimedia Tools and Applications</i> , 2020 , 79, 4429-4461	2.5	8
270	Robust coding in a global subspace model and its collaboration with a local model for visual tracking. <i>Multimedia Tools and Applications</i> , 2020 , 79, 4525-4551	2.5	
269	Digital mammogram classification using 2D-BDWT and GLCM features with FOA-based feature selection approach. <i>Neural Computing and Applications</i> , 2020 , 32, 7029-7043	4.8	14
268	SRSubBandNet: A New Deep Learning Scheme for Single Image Super Resolution Based on Subband Reconstruction 2019 ,		3
267	UPDCNN: A New Scheme for Image Upsampling and Deblurring Using a Deep Convolutional Neural Network 2019 ,		2
266	A Multi-Biometric System Based on Feature and Score Level Fusions. <i>IEEE Access</i> , 2019 , 7, 59437-59450	3.5	11
265	Successive refinement of side information frames in distributed video coding. <i>Multimedia Tools and Applications</i> , 2019 , 78, 20697-20722	2.5	2
264	A Framework for Image Denoising Using First and Second Order Fractional Overlapping Group Sparsity (HF-OLGS) Regularizer. <i>IEEE Access</i> , 2019 , 7, 26200-26217	3.5	11
263	Sound Quality Improvement for Hearing Aids in Presence of Multiple Inputs. <i>Circuits, Systems, and Signal Processing</i> , 2019 , 38, 3591-3615	2.2	1
262	Decoder side WynerZiv frame estimation using Chebyshev polynomial-based FLANN technique for distributed video coding. <i>Multidimensional Systems and Signal Processing</i> , 2019 , 30, 1031-1061	1.8	
261	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 65-73	6.6	20

260	Joint Data and Pilot Power Allocation for Massive MU-MIMO Downlink TDD Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2019 , 66, 512-516	3.5	7
259	Visual tracking using structural local DCT sparse appearance model with occlusion detection. <i>Multimedia Tools and Applications</i> , 2019 , 78, 7243-7266	2.5	2
258	Multimodal Neuroimaging Fusion in Nonsampled Shearlet Domain Using Location-Scale Distribution by Maximizing the High Frequency Subband Energy. <i>IEEE Access</i> , 2019 , 7, 97865-97886	3.5	2
257	Design of odd nth-order elliptic high-pass filters employing OTRAs. <i>IET Circuits, Devices and Systems</i> , 2019 , 13, 174-184	1.1	0
256	. <i>IEEE Access</i> , 2019 , 7, 182758-182771	3.5	3
255	A vehicle detection scheme based on two-dimensional HOG features in the DFT and DCT domains. <i>Multidimensional Systems and Signal Processing</i> , 2019 , 30, 1697-1729	1.8	4
254	Tchebichef and Adaptive Steerable Based Total Variation Model for Image Denoising. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	21
253	A computer-aided diagnosis system using Tchebichef features and improved grey wolf optimized extreme learning machine. <i>Applied Intelligence</i> , 2019 , 49, 983-1001	4.9	14
252	Mammogram classification using contourlet features with forest optimization-based feature selection approach. <i>Multimedia Tools and Applications</i> , 2019 , 78, 12805-12834	2.5	23
251	Recognizing Distractions for Assistive Driving by Tracking Body Parts. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 1048-1062	6.4	13
250	A New Hybrid Active Noise Control System with Convex Combination of Time and Frequency Domain Filtered-X LMS Algorithms. <i>Circuits, Systems, and Signal Processing</i> , 2018 , 37, 3275-3294	2.2	10
249	Spectral Efficiency Maximization of Multiuser Massive MIMO Systems With Finite-Dimensional Channel via Control of Users Power. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2018 , 65, 883-887	3.5	6
248	SVD and ASCII Character Encoding-Based Compression of Multiple Biosignals for Remote Healthcare Systems. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018 , 12, 137-150	5.1	7
247	Multi-resolution extreme learning machine-based side information estimation in distributed video coding. <i>Multimedia Tools and Applications</i> , 2018 , 77, 27301-27335	2.5	2
246	A joint correlation noise estimation and decoding algorithm for distributed video coding. <i>Multimedia Tools and Applications</i> , 2018 , 77, 7327-7355	2.5	6
245	Joint Carrier Frequency Offset and Doubly Selective Channel Estimation for MIMO-OFDMA Uplink With Kalman and Particle Filtering. <i>IEEE Transactions on Signal Processing</i> , 2018 , 66, 4001-4012	4.8	20
244	Compression of Steganographed PPG Signal with Guaranteed Reconstruction Quality Based on Optimum Truncation of Singular Values and ASCII Character Encoding. <i>IEEE Transactions on Biomedical Engineering</i> , 2018 ,	5	8
243	Decoder driven side information generation using ensemble of MLP networks for distributed video coding. <i>Multimedia Tools and Applications</i> , 2018 , 77, 15221-15250	2.5	3

242	Joint Maximum Likelihood Timing, Frequency Offset, and Doubly Selective Channel Estimation for OFDM Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 2787-2791	6.8	21
241	A Variational Step for Reduction of Mixed Gaussian-Impulse Noise from Images 2018 ,		2
240	A Two-Stage Scheme for Fusion of Hash-Encoded Features in a Multimodal Biometric System 2018 ,		4
239	Content-based Image Retrieval using Perceptual Image Hashing and Hopfield Neural Network 2018 ,		2
238	Shearlet based Stacked Convolutional Network for Multiclass Diagnosis of Alzheimer's Disease using the Florbetapir PET Amyloid Imaging Data 2018 ,		3
237	Compnet: A New Scheme for Single Image Super Resolution Based on Deep Convolutional Neural Network. <i>IEEE Access</i> , 2018 , 6, 59963-59974	3.5	12
236	Noncircularity-Based Localization for Mixed Near-Field and Far-Field Sources with Unknown Mutual Coupling 2018 ,		5
235	Weighted Hybrid Fusion for Multimodal Biometric Recognition System 2018 ,		4
234	A new locally optimum watermark detection using vector-based hidden Markov model in wavelet domain. <i>Signal Processing</i> , 2017 , 137, 213-222	4.4	28
233	Hopfield network-based image retrieval using re-ranking and voting 2017 ,		1
232	Modelling and Analysis of Regional Service Behavior Properties of Mobile Internet Applications. <i>IEEE Access</i> , 2017 , 5, 4795-4807	3.5	4
231	Palmprint recognition based on histograms of sparse codes 2017 ,		2
230	Convex combinations of adaptive filters for feedback cancellation in hearing aids. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2017 , 1	3.7	2
229	ASCII-character-encoding based PPG compression for tele-monitoring system. <i>Biomedical Signal Processing and Control</i> , 2017 , 31, 470-482	4.9	13
228	Digital watermark extraction in wavelet domain using hidden Markov model. <i>Multimedia Tools and Applications</i> , 2017 , 76, 3731-3749	2.5	18
227	A hidden Markov model-based blind detector for multiplicative watermarking 2017 ,		5
226	Ultrasound image despeckling in the contourlet domain using the Cauchy prior 2016 ,		6
225	A robust quantization-based image watermarking scheme in the wavelet-based contourlet domain 2016 ,		2

224	Optimal power allocation for massive MU-MIMO downlink TDD systems 2016,		5
223	Score reliability based weighting technique for score-level fusion in multi-biometric systems 2016,		12
222	Efficient Two-Dimensional Direction-of-Arrival Estimation for a Mixture of Circular and Noncircular Sources. <i>IEEE Sensors Journal</i> , 2016 , 16, 2527-2536	4	57
221	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 196-207	6.6	58
220	Underdetermined DOA Estimation Using MVDR-Weighted LASSO. <i>Sensors</i> , 2016 , 16,	3.8	4
219	Modified CFOA, its transpose, and applications. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 514-526	2	4
218	Visual tracking via bilateral 2DPCA and robust coding 2016,		3
217	A new anchored normalization technique for score-level fusion in multimodal biometric systems 2016,		9
216	Weighted residual minimization in PCA subspace for visual tracking 2016,		4
215	Improved Coarse Timing Estimation in OFDM Systems Using High-Order Statistics. <i>IEEE Transactions on Communications</i> , 2016 , 64, 5239-5253	6.9	11
214	Structural local DCT sparse appearance model for visual tracking 2015,		3
213	Image denoising utilizing the scale-dependency in the contourlet domain 2015,		4
212	Optimum multiplicative watermark detector in contourlet domain using the normal inverse Gaussian distribution 2015,		7
211	Analytical synthesis of voltage-mode even/odd-nth-order differential difference current conveyor and fully differential current conveyor II-grounded resistor and capacitor universal filter structures. <i>International Journal of Circuit Theory and Applications</i> , 2015 , 43, 1263-1310	2	13
210	Real-Valued ESPRIT for two-dimensional DOA estimation of noncircular signals for acoustic vector sensor array 2015,		4
209	A new map estimator for wavelet domain image denoising using vector-based hidden Markov model 2015,		3
208	Despeckling of synthetic aperture radar images in the contourlet domain using the alpha-stable distribution 2015,		3
207	MSAIndelFR: a scheme for multiple protein sequence alignment using information on indel flanking regions. <i>BMC Bioinformatics</i> , 2015 , 16, 393	3.6	3

206	A novel normalization technique for multimodal biometric systems 2015 ,		8
205	Joint 2-D DOA Estimation via Sparse L-shaped Array. <i>IEEE Transactions on Signal Processing</i> , 2015 , 63, 1171-1182	4.8	71
204	A Comparison of Integer Cosine and Tchebichef Transforms for Image Compression Using Variable Quantization. <i>Journal of Signal and Information Processing</i> , 2015 , 06, 203-216	0.6	2
203	Vehicle Detection Using Approximation of Feature Pyramids in the DFT Domain. <i>Lecture Notes in Computer Science</i> , 2015 , 429-436	0.9	2
202	Image denoising in wavelet domain using the vector-based hidden Markov model 2014 ,		9
201	Camouflaged target detection using real-time video fusion algorithm based on multi-scale transforms 2014 ,		2
200	A study of multiplicative watermark detection in the contourlet domain using alpha-stable distributions. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4348-60	8.7	57
199	Contourlet domain image denoising using normal inverse gaussian distribution 2014 ,		10
198	Robust Shrinkage Affine-Projection Sign Adaptive-Filtering Algorithms for Impulsive Noise Environments. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 3349-3359	4.8	31
197	A new blind wavelet domain watermark detector using hidden Markov model 2014 ,		8
196	Contourlet domain image denoising using the alpha-stable distribution 2014 ,		4
195	Online multi-person tracking via robust collaborative model 2014 ,		5
194	Vehicle detection using TD2DHOG features 2014 ,		4
193	Side information generation using optical flow and block matching in Wyner-Ziv video coding 2014 ,		1
192	Contourlet domain image modeling by using the alpha-stable family of distributions 2014 ,		16
191	The Theory of Compressive Sensing Matching Pursuit Considering Time-domain Noise with Application to Speech Enhancement. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2014 , 22, 682-696	3.6	17
190	Joint DOA Estimation and Source Signal Tracking With Kalman Filtering and Regularized QRD RLS Algorithm. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2013 , 60, 46-50	3.5	11
189	Compressive sensing-based speech enhancement in non-sparse noisy environments. <i>IET Signal Processing</i> , 2013 , 7, 450-457	1.7	18

188	A new involutory parametric transform and its application to image encryption 2013 ,		3
187	Multiresolution DCT decomposition for multifocus image fusion 2013 ,		6
186	A unified VLSI algorithm for a high performance systolic array implementation of type IV DCT/DST 2013 ,		1
185	A variable quantization technique for image compression using integer Tchebichef transform 2013 ,		5
184	Binary Discrete Cosine and Hartley Transforms. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 989-1002	3.9	50
183	The analysis and design of two-dimensional nearly-orthogonal symmetric wavelet filter banks. <i>Multidimensional Systems and Signal Processing</i> , 2013 , 24, 199-218	1.8	8
182	Analytical synthesis of odd/even-nth-order elliptic Cauer filter structures using OTRAs. <i>International Journal of Circuit Theory and Applications</i> , 2013 , 41, 1248-1271	2	13
181	Parameter estimation of Hodgkin-Huxley neuronal model using dual extended Kalman filter 2013 ,		6
180	Sparse linear arrays for estimating and tracking DOAs of signals with known waveforms 2013 ,		2
179	Enhancement of low-quality fingerprint images by a three-stage filtering scheme 2013 ,		1
178	A fast 8B integer Tchebichef transform and comparison with integer cosine transform for image compression 2013 ,		11
177	Analytical synthesis and comparison of voltage-mode Nth-order OTA-C universal filter structures. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 421-454	2	12
176	Joint Space-Time Parameter Estimation for Underwater Communication Channels with Velocity Vector Sensor Arrays. <i>IEEE Transactions on Wireless Communications</i> , 2012 , 11, 3869-3877	9.6	8
175	Noise spectrum estimation with improved minimum controlled recursive averaging based on speech enhancement residue 2012 ,		3
174	DOA estimation and tracking for signals with known waveform via symmetric sparse subarrays 2012 ,		3
173	Accurate DOA estimation via sparse sensor array 2012 ,		1
172	Efficient Application of MUSIC Algorithm Under the Coexistence of Far-Field and Near-Field Sources. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 2066-2070	4.8	114
171	Joint Space-Time Parameter Estimation for Multicarrier CDMA Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2012 , 61, 3306-3311	6.8	13

170	Identification of differentially expressed genes for time-course microarray data based on modified RM ANOVA. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2012 , 9, 451-66	3	5
169	A compressive sensing method for noise reduction of speech and audio signals 2011 ,		11
168	Joint DOD and DOA Estimation for MIMO Array With Velocity Receive Sensors. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 399-402	3.2	33
167	New Parametric Discrete Fourier and Hartley Transforms, and Algorithms for Fast Computation. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011 , 58, 562-575	3.9	17
166	An efficient algorithm for the conjugate symmetric sequency-ordered complex Hadamard transform 2011 ,		3
165	Compressed sensing for DOA estimation with fewer receivers than sensors 2011 ,		10
164	A low-complexity parametric transform for image compression 2011 ,		38
163	Minimum redundancy linear sparse subarrays for direction of arrival estimation without ambiguity 2011 ,		7
162	A novel morphology-based classifier for automatic detection of epileptic seizures. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 5545-8	0.9	4
161	Transpose of a Multiterminal Element and Applications. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2010 , 57, 696-700	3.5	10
160	Image encryption using the reciprocal-orthogonal parametric transform 2010 ,		10
159	Switched-Capacitor Filters 2010 , 161-206		
158	A novel transform for image compression 2010 ,		28
157	Network Theorems and Approximation of Filter Functions 2010 , 41-81		
156	Basics of Passive Filter Design 2010 , 83-101		
155	Second-Order Active-RC Filters 2010 , 103-160		2
154	Higher-Order Active Filters 2010 , 207-254		
153	Current-Mode Filters 2010 , 255-297		

152 Implementation of Analog Integrated Circuit Filters **2010**, 299-323

151 A Review of Network Analysis Techniques **2010**, 7-39

150 An Adaptive Multiuser Detection Algorithm for CDMA Systems Using Antenna Diversity. *Circuits, Systems, and Signal Processing*, **2010**, 29, 1207-1222 2.2 1

149 Perturbation analysis of whitening-rotation-based semi-blind MIMO channel estimation **2009**, 2

148 A fast 88 transform for image compression **2009**, 28

147 Perturbation analysis of subspace-based semi-blind MIMO channel estimation approaches **2008**, 1

146 Modeling of the DCT coefficients of images **2008**, 4

145 Discrete tchebichef transform-A fast 4x4 algorithm and its application in image/video compression **2008**, 10

144 A Frequency-Domain Correlation Matrix Estimation Algorithm for MIMO-OFDM Channel Estimation **2008**, 2

143 A multiplication-free transform for image compression **2008**, 19

142 Neural networks for checking the stability of multidimensional systems **2008**, 1

141 Statistics of 2-D DT-CWT Coefficients for a Gaussian Distributed Signal. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 2013-2025 3.9 8

140 Improved image restoration using wavelet-based denoising and fourier-based deconvolution **2008**, 1

139 A Signal Perturbation Free Transmit Scheme for MIMO Channel Estimation **2008**, 2

138 A new blind-block reciprocal parametric transform **2008**, 3

137 Statistical detector for wavelet-based image watermarking using modified GH PDF **2008**, 1

136 A Class of Adaptive Cyclostationary Beamforming Algorithms. *Circuits, Systems, and Signal Processing*, **2008**, 27, 35-63 2.2 14

135 Partial-Update ℓ_{∞} -Norm Based Algorithms. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2007**, 54, 411-419 15

134	Analytical Synthesis of Low-Sensitivity High-Order Voltage-Mode DDCC and FDCCII-Grounded R and C All-Pass Filter Structures. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2007 , 54, 1430-1443		40
133	Detection of epileptic seizures in stereo-EEG using frequency-weighted energy. <i>Midwest Symposium on Circuits and Systems</i> , 2007 ,	1	5
132	A Note on "A Novel Current Memory Circuit for AMOLEDs". <i>IEEE Transactions on Electron Devices</i> , 2007 , 54, 2808-2808	2.9	
131	Current-Mode Filters Using Voltage Amplifiers. <i>Circuits, Systems, and Signal Processing</i> , 2007 , 26, 773-792.2		3
130	Linear Prediction Based Semi-Blind Channel Estimation for MIMO-OFDM System 2007 ,		7
129	New Systolic Algorithm and Array Architecture for Prime-Length Discrete Sine Transform. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2007 , 54, 262-266		19
128	Optimal Packet Scheduling for Multi-Description Multi-Path Video Streaming Over Wireless Networks 2007 ,		1
127	STFT-Based Segmentation in Model-Based Seizure Detection 2007 ,		4
126	New Spatially Adaptive Wavelet-based Method for the Despeckling of Medical Ultrasound Images 2007 ,		16
125	Locally Adaptive Wavelet-Based Image Denoising using the Gram-Charlier Prior Function 2007 ,		2
124	Video Denoising Based on Inter-frame Statistical Modeling of Wavelet Coefficients. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2007 , 17, 187-198	6.4	52
123	High-Throughput Memory-Based Architecture for DHT Using a New Convolutional Formulation. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2007 , 54, 606-610		14
122	Wavelet-Based Despeckling of Medical Ultrasound Images with the Symmetric Normal Inverse Gaussian Prior 2007 ,		9
121	Wavelet-Based Video Denoising Using Gauss-Hermite Density Function. <i>Midwest Symposium on Circuits and Systems</i> , 2006 ,	1	1
120	Comparison of wavelets for multiresolution motion estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2006 , 16, 439-446	6.4	5
119	An Efficient Implementation of the Delay Compensation for Sub-Band Filtered-x Least-Mean-Square Algorithm. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 748-752		5
118	Reduced-Complexity Concurrent Systolic Implementation of the Discrete Sine Transform 2006 ,		1
117	Perceptual-Shaping Comparison of DWT-Based Pixel-Wise Masking Model with DCT-Based Watson Model 2006 ,		3

116	Multidimensional vector radix FHT algorithms. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 905-917		7
115	Evolutionary design of 2-dimensional recursive filters via the computer language GENETICA. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2006 , 53, 254-258		8
114	Cryptographic applications of Brahmagupta-Bhaskara equation. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 1565-1571		18
113	A Split Vector-Radix Algorithm for the 3-D Discrete Hartley Transform. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006 , 53, 1966-1976		11
112	A New Method for Denoising of Images in the Dual Tree Complex Wavelet Domain 2006 ,		2
111	Implementation of a voice activity detection and comfort noise generation algorithm 2005 ,		2
110	Feedforward symbol timing recovery technique using two samples per symbol. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 2490-2500		11
109	Optimizing the kernel in the empirical feature space. <i>IEEE Transactions on Neural Networks</i> , 2005 , 16, 460-74		239
108	FPGA design and implementation of a low-power systolic array-based adaptive Viterbi decoder. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 350-365		21
107	Fast AWGN reduction in videos using change detection 2005 ,		1
106	Systolic algorithms and a memory-based design approach for a unified architecture for the computation of DCT/DST/IDCT/IDST. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 1125-1137		37
105	Wavelet-based segmentation techniques in the detection of microarousals in the sleep EEG 2005 ,		5
104	Corrections to Stability of Multidimensional Systems Using Genetic Algorithms <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 1982-1982		1
103	Ramanujan sums and discrete Fourier transforms. <i>IEEE Signal Processing Letters</i> , 2005 , 12, 293-296	3.2	31
102	Z-transform of quantized ramp signal. <i>IEEE Transactions on Signal Processing</i> , 2005 , 53, 380-383	4.8	3
101	A note on "Split vector-radix-2/8 2-D Fast Fourier Transform". <i>IEEE Signal Processing Letters</i> , 2005 , 12, 185	3.2	
100	An improved voice activity detection using higher order statistics. <i>IEEE Transactions on Speech and Audio Processing</i> , 2005 , 13, 965-974		42
99	Complete characterization of systems for simultaneous Lagrangian upsampling and fractional-sample delaying. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2005 , 52, 656-667		6

98	Modified silence suppression algorithms and their performance tests 2005 ,		1
97	A new split-radix FHT algorithm for length- $q \times 2^m$ DFTs. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 2031-2043		9
96	Model-based seizure detection method using statistically optimal filters. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2004 , 2006, 45-8		1
95	A Multiuser Detection Receiver Using Blind Antenna Array and Adaptive Parallel Interference Cancellation. <i>Circuits, Systems, and Signal Processing</i> , 2004 , 23, 409-432	2.2	2
94	Results on maximally flat fractional-delay systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 2271-2286		34
93	Exact fractional-order differentiators for polynomial signals. <i>IEEE Signal Processing Letters</i> , 2004 , 11, 529-532	3.2	31
92	A new radix-2/8 FFT algorithm for length- $q \times 2^m$ DFTs. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 1723-1732		34
91	Compression of long-term EEG using power spectral density. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2004 , 2006, 180-3		10
90	Multiplicationless Burt and Adelson's pyramids for motion estimation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2004 , 14, 136-141	6.4	
89	Branching competitive learning network: a novel self-creating model. <i>IEEE Transactions on Neural Networks</i> , 2004 , 15, 417-29		12
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44	A feedforward timing recovery scheme using two samples per symbol: algorithm, performance and implementation issues	2
43	A split-radix algorithm for 2-D DFT	3
42	A low-power systolic array-based adaptive Viterbi decoder and its FPGA implementation	3
41	Efficient pruning algorithms for the DFT computation for a subset of output samples	6
40	A continuous tracking algorithm for long-term memory motion estimation [video coding]	2
39	An efficient split-radix FFT algorithm	3
38	An efficient three-dimensional decimation-in-time FHT algorithm based on the radix-2/4 approach	3
37	A watermark embedding scheme in wavelet transform domain	1
36	RNS application for digital image processing	21
35	An efficient, low-complexity, normalized LMS algorithm for echo cancellation	4
34	Improved radix-4 and radix-8 FFT algorithms	7
33	Moduli selection in RNS for efficient VLSI implementation	13
32	A CMOS current-controlled oscillator and its applications	1
31	An improved radix-16 FFT algorithm	2
30	Generation of new OTA-C oscillator structures using network transposition	4
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25	Wavelet-domain image denoising algorithm using series expansion of coefficient P.D.F. in terms of Hermite polynomials	2
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20	Low power FIR filter FPGA implementation based on distributed arithmetic and residue number system	3
19	A vector based fast block motion estimation algorithm for implementation on SIMD architectures	2
18	ASIC implementation architecture for pulse shaping FIR filters in 3G mobile communications	4
17	A fast neural beamformer for antenna arrays	4
16	A new architecture of RRNS error-correcting QC encoder/decoder and its FPGA implementation	2
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14	A fully digital timing recovery scheme using two samples per symbol	4
13	Automatic modulation type recognition	8
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9	Scheduling of DSP data flow graphs onto multiprocessors for maximum throughput	2

8	LMS-optimal notch filters with improved transient performance	3
7	Design of weighted order statistic filters using linearly separable stack-like architecture	1
6	An FPGA implementation of an on-line radix-4 CORDIC 2-D IDCT core	2
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