M N S Swamy

List of Publications by Year
in descending order

401 papers	4,184 citations	185998 28 h-index	214527 47 g-index
418 all docs	418 docs citations	418 times ranked	2539 citing authors

#	Article	IF	Citations
1	Optimizing the Kernel in the Empirical Feature Space. IEEE Transactions on Neural Networks, 2005, 16, 460-474.	4.8	282
2	Efficient Application of MUSIC Algorithm Under the Coexistence of Far-Field and Near-Field Sources. IEEE Transactions on Signal Processing, 2012, 60, 2066-2070.	3.2	162
3	Design of two-dimensional recursive filters using genetic algorithms. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 634-639.	0.1	119
4	Joint 2-D DOA Estimation via Sparse L-shaped Array. IEEE Transactions on Signal Processing, 2015, 63, 1171-1182.	3.2	90
5	Video Denoising Based on Inter-frame Statistical Modeling of Wavelet Coefficients. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 187-198.	5.6	75
6	A high-speed residue-to-binary converter for three-moduli (2/sup k/, 2/sup k/-1, 2/sup k-1/-1) RNS and a scheme for its VLSI implementation. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 1576-1581.	2.3	73
7	A Study of Multiplicative Watermark Detection in the Contourlet Domain Using Alpha-Stable Distributions. IEEE Transactions on Image Processing, 2014, 23, 4348-4360.	6.0	73
8	Efficient Two-Dimensional Direction-of-Arrival Estimation for a Mixture of Circular and Noncircular Sources. IEEE Sensors Journal, 2016, 16, 2527-2536.	2.4	72
9	Multiplicative Watermark Decoder in Contourlet Domain Using the Normal Inverse Gaussian Distribution. IEEE Transactions on Multimedia, 2016, 18, 196-207.	5.2	71
10	Binary Discrete Cosine and Hartley Transforms. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 989-1002.	3.5	67
11	Analytical Synthesis of Low-Sensitivity High-Order Voltage-Mode DDCC and FDCCII-Grounded <emphasis>R</emphasis> and<emphasis> C</emphasis> All-Pass Filter Structures. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1430-1443.	0.1	63
12	An improved voice activity detection using higher order statistics. IEEE Transactions on Speech and Audio Processing, 2005, 13, 965-974.	2.0	61
13	Systolic algorithms and a memory-based design approach for a unified architecture for the computation of DCT/DST/IDCT/IDST. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 1125-1137.	0.1	52
14	A low-complexity parametric transform for image compression. , 2011, , .		51
15	Mammogram classification using contourlet features with forest optimization-based feature selection approach. Multimedia Tools and Applications, 2019, 78, 12805-12834.	2.6	43
16	Results on Maximally Flat Fractional-Delay Systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 2271-2286.	0.1	42
17	Joint DOD and DOA Estimation for MIMO Array With Velocity Receive Sensors. IEEE Signal Processing Letters, 2011, 18, 399-402.	2.1	42
18	A New Radix-<tex>$2/8$</tex>FFT Algorithm for Length-<tex>$qtimes 2^m$</tex>DFTs. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 1723-1732.	0.1	41

#	Article	IF	Citations
19	Ramanujan sums and discrete Fourier transforms. IEEE Signal Processing Letters, 2005, 12, 293-296.	2.1	41
20	Robust Shrinkage Affine-Projection Sign Adaptive-Filtering Algorithms for Impulsive Noise Environments. IEEE Transactions on Signal Processing, 2014, 62, 3349-3359.	3.2	41
21	A Channel-Dependent Statistical Watermark Detector for Color Images. IEEE Transactions on Multimedia, 2019, 21, 65-73.	5.2	41
22	A closed-form solution to the least-square design problem of 2-D linear-phase FIR filters. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1997, 44, 1032-1039.	2.3	39
23	A fast 8&#x00D7;8 transform for image compression. , 2009, , .		39
24	Joint Maximum Likelihood Timing, Frequency Offset, and Doubly Selective Channel Estimation for OFDM Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 2787-2791.	3.9	39
25	A novel transform for image compression. , 2010, , .		37
26	A least-square design approach for 2D FIR filters with arbitrary frequency response. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1999, 46, 1027-1034.	2.3	36
27	Exact Fractional-Order Differentiators for Polynomial Signals. IEEE Signal Processing Letters, 2004, 11, 529-532.	2.1	36
28	A new locally optimum watermark detection using vector-based hidden Markov model in wavelet domain. Signal Processing, 2017, 137, 213-222.	2.1	35
29	Recognizing Distractions for Assistive Driving by Tracking Body Parts. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1048-1062.	5.6	35
30	Tchebichef and Adaptive Steerable-Based Total Variation Model for Image Denoising. IEEE Transactions on Image Processing, 2019, 28, 2921-2935.	6.0	31
31	Compressive sensingâ€based speech enhancement in nonâ€sparse noisy environments. IET Signal Processing, 2013, 7, 450-457.	0.9	29
32	FPGA design and implementation of a low-power systolic array-based adaptive Viterbi decoder. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 350-365.	0.1	28
33	The Theory of Compressive Sensing Matching Pursuit Considering Time-domain Noise with Application to Speech Enhancement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 682-696.	4.0	28
34	Joint Carrier Frequency Offset and Doubly Selective Channel Estimation for MIMO-OFDMA Uplink With Kalman and Particle Filtering. IEEE Transactions on Signal Processing, 2018, 66, 4001-4012.	3.2	28
35	RNS application for digital image processing. , 0, , .		27
36	New Systolic Algorithm and Array Architecture for Prime-Length Discrete Sine Transform. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 262-266.	2.3	27

#	Article	IF	Citations
37	Residue-to-binary number converters for three moduli sets. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1999, 46, 180-183.	2.3	26
38	Digital watermark extraction in wavelet domain using hidden Markov model. Multimedia Tools and Applications, 2017, 76, 3731-3749.	2.6	26
39	A Multi-Biometric System Based on Feature and Score Level Fusions. IEEE Access, 2019, 7, 59437-59450.	2.6	26
40	Digital mammogram classification using 2D-BDWT and GLCM features with FOA-based feature selection approach. Neural Computing and Applications, 2020, 32, 7029-7043.	3.2	26
41	New Parametric Discrete Fourier and Hartley Transforms, and Algorithms for Fast Computation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 562-575.	3.5	25
42	Cryptographic applications of Brahmagupta-Bha/spl tilde/skara equation. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 1565-1571.	0.1	24
43	A multiplication-free transform for image compression. , 2008, , .		23
44	Quadtree structured region-wise motion compensation for video compression. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 808-822.	5.6	21
45	Moduli selection in RNS for efficient VLSI implementation. , 0, , .		21
46	Feedforward symbol timing recovery technique using two samples per symbol. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 2490-2500.	0.1	21
47	High-Throughput Memory-Based Architecture for DHT Using a New Convolutional Formulation. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 606-610.	2.3	21
48	Discrete tchebichef transform-A fast 4x4 algorithm and its application in image/video compression. , 2008, , .		21
49	Contourlet domain image modeling by using the alpha-stable family of distributions. , 2014, , .		21
50	ASCII-character-encoding based PPG compression for tele-monitoring system. Biomedical Signal Processing and Control, 2017, 31, 470-482.	3.5	21
51	New Spatially Adaptive Wavelet-based Method for the Despeckling of Medical Ultrasound Images. , 2007, , .		20
52	An improved surveillance video synopsis framework: a HSATLBO optimization approach. Multimedia Tools and Applications, 2020, 79, 4429-4461.	2.6	20
53	Compressed sensing for DOA estimation with fewer receivers than sensors. , 2011, , .		19
54	A computer-aided diagnosis system using Tchebichef features and improved grey wolf optimized extreme learning machine. Applied Intelligence, 2019, 49, 983-1001.	3.3	19

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55	Fast computation of the discrete Fourier transform of real data. IEEE Transactions on Signal Processing, 1997, 45, 2010-2022.	3.2	18
56	A note on "A high-speed residue-to-binary converter for three-moduli (2/sup k/ 2/sup k/ - 1, 2/sup k-1/ - 1) RNS and a scheme for its VLSI implementation". IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2002, 49, 230.	2.3	18
57	Improved radix-4 and radix-8 FFT algorithms. , 0, , .		18
58	An efficient systolic array algorithm for the VLSI implementation of a prime-length DHT. , 0, , .		18
59	Partial-Update <formula formulatype="inline"><tex>${L}_{infty}$</tex> </formula>-Norm Based Algorithms. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 411-419.	0.1	18
60	A compressive sensing method for noise reduction of speech and audio signals. , 2011, , .		18
61	Stability of multidimensional systems using genetic algorithms. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 962-965.	0.1	17
62	Branching Competitive Learning Network: A Novel Self-Creating Model. IEEE Transactions on Neural Networks, 2004, 15, 417-429.	4.8	17
63	Competitive Splitting for Codebook Initialization. IEEE Signal Processing Letters, 2004, 11, 474-477.	2.1	17
64	Linear Prediction Based Semi-Blind Channel Estimation for MIMO-OFDM System. , 2007, , .		17
65	A Class of Adaptive Cyclostationary Beamforming Algorithms. Circuits, Systems, and Signal Processing, 2008, 27, 35-63.	1.2	17
66	Joint DOA Estimation and Source Signal Tracking With Kalman Filtering and Regularized QRD RLS Algorithm. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 46-50.	2.2	17
67	HSAJAYA: An Improved Optimization Scheme for Consumer Surveillance Video Synopsis Generation. IEEE Transactions on Consumer Electronics, 2020, 66, 144-152.	3.0	17
68	An Adaptive Turn Rate Estimation for Tracking a Maneuvering Target. IEEE Access, 2020, 8, 94176-94189.	2.6	17
69	New techniques for multi-resolution motion estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 793-802.	5.6	16
70	Joint Space-Time Parameter Estimation for Multicarrier CDMA Systems. IEEE Transactions on Vehicular Technology, 2012, 61, 3306-3311.	3.9	16
71	Joint Space-Time Parameter Estimation for Underwater Communication Channels with Velocity Vector Sensor Arrays. IEEE Transactions on Wireless Communications, 2012, 11, 3869-3877.	6.1	16
72	A fast 8&#x00D7;8 integer Tchebichef transform and comparison with integer cosine transform for image compression. , 2013, , .		16

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73	Improved Coarse Timing Estimation in OFDM Systems Using High-Order Statistics. IEEE Transactions on Communications, 2016, 64, 5239-5253.	4.9	16
74	Realization of 2-D linear-phase FIR filters by using the singular-value decomposition. IEEE Transactions on Signal Processing, 1999, 47, 1349-1358.	3.2	15
75	Compression of long-term EEG using power spectral density. , 2004, 2006, 180-3.		15
76	Analytical synthesis and comparison of voltageâ€mode<i>N</i>thâ€order OTAâ€C universal filter structures. International Journal of Circuit Theory and Applications, 2012, 40, 421-454.	1.3	15
77	Analytical synthesis of odd/evenâ€‹<i>n</i>thâ€order elliptic Cauer filter structures using OTRAs. International Journal of Circuit Theory and Applications, 2013, 41, 1248-1271.	1.3	15
78	Contourlet domain image denoising using normal inverse gaussian distribution. , 2014, , .		15
79	A New Hybrid Active Noise Control System with Convex Combination of Time and Frequency Domain Filtered-X LMS Algorithms. Circuits, Systems, and Signal Processing, 2018, 37, 3275-3294.	1.2	15
80	Compnet: A New Scheme for Single Image Super Resolution Based on Deep Convolutional Neural Network. IEEE Access, 2018, 6, 59963-59974.	2.6	15
81	A novel normalization technique for multimodal biometric systems. , 2015, , .		14
82	Analytical synthesis of voltageâ€mode even/oddâ€nthâ€order differential difference current conveyor and fully differential current conveyor IIâ€grounded resistor and capacitor universal filter structures. International Journal of Circuit Theory and Applications, 2015, 43, 1263-1310.	1.3	14
83	A Framework for Image Denoising Using First and Second Order Fractional Overlapping Group Sparsity (HF-OLGS) Regularizer. IEEE Access, 2019, 7, 26200-26217.	2.6	14
84	An area-time-efficient residue-to-binary converter. , 0, , .		13
85	A New Split-Radix FHT Algorithm for Length-<tex>$q*2^m$</tex>DHTs. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 2031-2043.	0.1	13
86	Evolutionary design of 2-dimensional recursive filters via the computer language GENETICA. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 254-258.	2.3	13
87	A Split Vector-Radix Algorithm for the 3-D Discrete Hartley Transform. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 1966-1976.	0.1	13
88	Wavelet-Based Despeckling of Medical Ultrasound Images with the Symmetric Normal Inverse Gaussian Prior. , 2007, , .		13
89	Compression of Steganographed PPG Signal With Guaranteed Reconstruction Quality Based on Optimum Truncation of Singular Values and ASCII Character Encoding. IEEE Transactions on Biomedical Engineering, 2019, 66, 2081-2090.	2.5	13
90	SRNSSI: A Deep Light-Weight Network for Single Image Super Resolution Using Spatial and Spectral Information. IEEE Transactions on Computational Imaging, 2021, 7, 409-421.	2.6	13

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91	Single image denoising via multi-scale weighted group sparse coding. Signal Processing, 2022, 200, 108650.	2.1	13
92	Signal processing based on parameter structural modeling and separation of highly correlated signals of known structure. Circuits, Systems, and Signal Processing, 1998, 17, 51-68.	1.2	12
93	Design and implementation of a switched-current memory cell for low-power and weak-current operations. IEEE Journal of Solid-State Circuits, 2001, 36, 304-307.	3.5	12
94	Statistically optimal null filter based on instantaneous matched processing. Circuits, Systems, and Signal Processing, 2001, 20, 37-61.	1.2	12
95	A new method for computing the stability margin of two-dimensional continuous systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 869-872.	0.1	12
96	Low-complexity video noise reduction in wavelet domain. , 0, , .		12
97	Complete characterization of systems for simultaneous Lagrangian upsampling and fractional-sample delaying. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 656-667.	0.1	12
98	Image encryption using the reciprocal-orthogonal parametric transform. , 2010, , .		12
99	Multiresolution DCT decomposition for multifocus image fusion. , 2013, , .		12
100	Optimum multiplicative watermark detector in contourlet domain using the normal inverse Gaussian distribution. , 2015, , .		12
101	A new anchored normalization technique for score-level fusion in multimodal biometrie systems. , 2016, , .		12
102	Score reliability based weighting technique for score-level fusion in multi-biometric systems. , 2016, , .		12
103	Joint Data and Pilot Power Allocation for Massive MU-MIMO Downlink TDD Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 512-516.	2.2	12
104	Vector computation of the discrete Fourier transform. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 449-461.	2.3	11
105	Characterization of B-Spline Digital Filters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 808-816.	0.1	11
106	Transpose of a Multiterminal Element and Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 696-700.	2.2	11
107	Minimum redundancy linear sparse subarrays for direction of arrival estimation without ambiguity. , 2011, , .		11
108	Gray-level image denoising with an improved weighted sparse coding. Journal of Visual Communication and Image Representation, 2020, 72, 102895.	1.7	11

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109	Automatic modulation type recognition. , 0, , .		10
110	Editorial preface to special issue on multidimensional signals and systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 709-714.	0.1	10
111	A low-power systolic array-based adaptive Viterbi decoder and its FPGA implementation. , 0, , .		10
112	A genetic algorithm approach to the problem of factorization of general multidimensional polynomials. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 16-22.	0.1	10
113	An efficient, low-complexity, normalized LMS algorithm for echo cancellation. , 0, , .		10
114	Arithmetic Complexity of the Split-Radix FFT Algorithms. , 0, , .		10
115	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.	3.5	10
116	Image denoising in wavelet domain using the vector-based hidden Markov model. , 2014, , .		10
117	SVD and ASCII Character Encoding-Based Compression of Multiple Biosignals for Remote Healthcare Systems. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 137-150.	2.7	10
118	Noncircularity-Based Localization for Mixed Near-Field and Far-Field Sources with Unknown Mutual Coupling. , 2018, , .		10
119	RHN: A Residual Holistic Neural Network for Edge Detection. IEEE Access, 2021, 9, 74646-74658.	2.6	10
120	An efficient approach for the design of nearly perfect-reconstruction QMF banks. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 1161-1165.	2.3	9
121	Weighted least-square design of FIR filters using a fast iterative matrix inversion algorithm. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1620-1628.	0.1	9
122	A New Homomorphic Bayesian Wavelet-Based MMAE Filter for Despeckling SAR Images. , 0, , .		9
123	Wavelet-based segmentation techniques in the detection of microarousals in the sleep EEG. , 2005, , .		9
124	Multidimensional vector radix FHT algorithms. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 905-917.	0.1	9
125	The analysis and design of two-dimensional nearly-orthogonal symmetric wavelet filter banks. Multidimensional Systems and Signal Processing, 2013, 24, 199-218.	1.7	9
126	Spectral Efficiency Maximization of Multiuser Massive MIMO Systems With Finite-Dimensional Channel via Control of Usersâ€™ Power. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 883-887.	2.2	9

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127	A joint correlation noise estimation and decoding algorithm for distributed video coding. Multimedia Tools and Applications, 2018, 77, 7327-7355.	2.6	9
128	Decoder driven side information generation using ensemble of MLP networks for distributed video coding. Multimedia Tools and Applications, 2018, 77, 15221-15250.	2.6	9
129	GAN based efficient foreground extraction and HGWOSA based optimization for video synopsis generation. , 2021, 111, 102988.		9
130	UPDResNN: A Deep Light-Weight Image Upsampling and Deblurring Residual Neural Network. IEEE Transactions on Broadcasting, 2021, 67, 538-548.	2.5	9
131	A novel technique for tracking time-varying minimum and its applications. , 0, , .		8
132	Generation of new OTA-C oscillator structures using network transposition. , 0, , .		8
133	A new blind wavelet domain watermark detector using hidden Markov model. , 2014, , .		8
134	Underdetermined DOA Estimation Using MVDR-Weighted LASSO. Sensors, 2016, 16, 1549.	2.1	8
135	On a Novel Decomposition of the DCT and its Application. IEEE Transactions on Signal Processing, 1993, 41, 480.	3.2	7
136	L/sub p/ norm design of stack filters. IEEE Transactions on Image Processing, 1999, 8, 1730-1743.	6.0	7
137	A fully digital timing recovery scheme using two samples per symbol. , 0, , .		7
138	ASIC implementation architecture for pulse shaping FIR filters in 3G mobile communications. , 0, , .		7
139	Efficient pruning algorithms for the DFT computation for a subset of output samples. , 0, , .		7
140	An efficient split-radix FFT algorithm. , 0, , .		7
141	Bayesian Algorithm for Video Noise Reduction in the Wavelet Domain. , 0, , .		7
142	Modeling of the DCT coefficients of images. , 2008, , .		7
143	A novel morphology-based classifier for automatic detection of epileptic seizures. , 2010, 2010, 5545-8.		7
144	A variable quantization technique for image compression using integer Tchebichef transform. , 2013, , .		7

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145	Online multi-person tracking via robust collaborative model. , 2014, , .		7
146	Optimal power allocation for massive MU-MIMO downlink TDD systems. , 2016, , .		7
147	Spectral Efficiency Maximization of a Single Cell Massive MU-MIMO Down-Link TDD System by Appropriate Resource Allocation. IEEE Access, 2019, 7, 182758-182771.	2.6	7
148	MGHCNET: A Deep Multi-Scale Granular and Holistic Channel Feature Generation Network for Image Super Resolution. , 2020, , .		7
149	MuRNet: A deep recursive network for super resolution of bicubically interpolated images. Signal Processing: Image Communication, 2021, 94, 116228.	1.8	7
150	SRNMSM: A Deep Light-Weight Image Super Resolution Network Using Multi-Scale Spatial and Morphological Feature Generating Residual Blocks. IEEE Transactions on Broadcasting, 2022, 68, 58-68.	2.5	7
151	Design of a transistor-mismatch-insensitive switched-current memory cell. , 0, , .		6
152	Residue to binary number converters for three moduli set. , 0, , .		6
153	A parallel residue-to-binary converter. , 1999, , .		6
154	The applications of the new Chinese Remainder Theorems for three moduli sets. , 0, , .		6
155	Scheduling of DSP data flow graphs onto multiprocessors for maximum throughput. , 0, , .		6
156	Low power FIR filter FPGA implementation based on distributed arithmetic and residue number system. , 0, , .		6
157	Comparison of wavelets for multiresolution motion estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 439-446.	5.6	6
158	Detection of epileptic seizures in stereo-EEG using frequency-weighted energy. Midwest Symposium on Circuits and Systems, 2007, , .	1.0	6
159	Parameter estimation of Hodgkin-Huxley neuronal model using dual extended Kalman filter. , 2013, , .		6
160	Vehicle detection using TD2DHOG features. , 2014, , .		6
161	Image denoising utilizing the scale-dependency in the contourlet domain. , 2015, , .		6
162	Ultrasound image despeckling in the contourlet domain using the Cauchy prior. , 2016, , .		6

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163	Content-based Image Retrieval using Perceptual Image Hashing and Hopfield Neural Network. , 2018, , .		6
164	SRSubBandNet: A New Deep Learning Scheme for Single Image Super Resolution Based on Subband Reconstruction. , 2019, , .		6
165	A very fast edge map-based algorithm for accurate motion estimation. Signal, Image and Video Processing, 2021, 15, 1609-1616.	1.7	6
166	SRNHARB: A deep light-weight image super resolution network using hybrid activation residual blocks. Signal Processing: Image Communication, 2021, 99, 116509.	1.8	6
167	An iterative blind cyclostationary beamforming algorithm. , 0, , .		5
168	Design of least asymmetric compactly supported orthogonal wavelets via optimization. , 0, , .		5
169	LMS-optimal notch filters with improved transient performance. , 0, , .		5
170	Multiple description image coding using pixel interleaving and wavelet transform. , 0, , .		5
171	A fast neural beamformer for antenna arrays. , 0, , .		5
172	A New Wavelet-based Method-for Despeckling SAR Images. , 0, , .		5
173	An Efficient Implementation of the Delay Compensation for Sub-Band Filtered-x Least-Mean-Square Algorithm. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 748-752.	2.3	5
174	Current-Mode Filters Using Voltage Amplifiers. Circuits, Systems, and Signal Processing, 2007, 26, 773-792.	1.2	5
175	Perturbation analysis of subspace-based semi-blind MIMO channel estimation approaches. , 2008, , .		5
176	Semi-blind channel estimation of MIMO-OFDM systems with pulse shaping. , 2008, , .		5
177	A Frequency-Domain Correlation Matrix Estimation Algorithm for MIMO-OFDM Channel Estimation. , 2008, , .		5
178	A new blind-block reciprocal parametric transform. , 2008, , .		5
179	Identification of Differentially Expressed Genes for Time-Course Microarray Data Based on Modified RM ANOVA. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 451-466.	1.9	5
180	A unified VLSI algorithm for a high performance systolic array implementation of type IV DCT/DST. , 2013, , .		5

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181	Contourlet domain image denoising using the alpha-stable distribution. , 2014, , .		5
182	A new map estimator for wavelet domain image denoising using vector-based hidden Markov model. , 2015, , .		5
183	Despeckling of synthetic aperture radar images in the contourlet domain using the alpha-stable distribution. , 2015, , .		5
184	Modified CFOA, its transpose, and applications. International Journal of Circuit Theory and Applications, 2016, 44, 514-526.	1.3	5
185	An unsupervised learning based method for content-based image retrieval using hopfield neural network. , 2016, , .		5
186	Weighted residual minimization in PCA subspace for visual tracking. , 2016, , .		5
187	Modelling and Analysis of Regional Service Behavior Properties of Mobile Internet Applications. IEEE Access, 2017, 5, 4795-4807.	2.6	5
188	A hidden Markov model-based blind detector for multiplicative watermarking. , 2017, , .		5
189	A Variational Step for Reduction of Mixed Gaussian-Impulse Noise from Images. , 2018, , .		5
190	A Two-Stage Scheme for Fusion of Hash-Encoded Features in a Multimodal Biometric System. , 2018, , .		5
191	Shearlet based Stacked Convolutional Network for Multiclass Diagnosis of Alzheimer's Disease using the Florbetapir PET Amyloid Imaging Data. , 2018, , .		5
192	Visual tracking using structural local DCT sparse appearance model with occlusion detection. Multimedia Tools and Applications, 2019, 78, 7243-7266.	2.6	5
193	A vehicle detection scheme based on two-dimensional HOG features in the DFT and DCT domains. Multidimensional Systems and Signal Processing, 2019, 30, 1697-1729.	1.7	5
194	EFFRBNet: A Deep Super Resolution Network using Edge-Assisted Feature Fusion Residual Blocks. , 2020, , .		5
195	An improved scheme for multifeature-based foreground detection using challenging conditions. , 2021, 113, 103030.		5
196	A vector based fast block motion estimation algorithm for implementation on SIMD architectures. , 0, , .		4
197	A new architecture of RRNS error-correcting QC encoder/decoder and its FPGA implementation. , 0, , .		4
198	Pyramidal motion estimation techniques exploiting intra-level motion correlation. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2003, 39, 83-93.	2.3	4

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199	A split-radix algorithm for 2-D DFT. , 0, , .		4
200	Characterization of Nonuniform Perfect-Reconstruction Filterbanks Using Unit-Step Signal. IEEE Transactions on Signal Processing, 2004, 52, 2490-2499.	3.2	4
201	An efficient FFT algorithm based on the radix-2/4 DIF approach for computing 3D DFT. , 0, , .		4
202	An area-reduced scheme for modulo 2/sup n/-1 addition/subtraction. , 2005, , .		4
203	Block Tree Partitioning for Wavelet Based Color Image Compression. , 0, , .		4
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