

Soo-Chang Pei

List of Publications by Year in descending order

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259
papers

4,613
citations

126708

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259
all docs

259
docs citations

259
times ranked

2270
citing authors

#	ARTICLE	IF	CITATIONS
1	Binary Signal Perfect Recovery From Partial DFT Coefficients. IEEE Transactions on Signal Processing, 2022, 70, 3848-3861.	3.2	4
2	Arbitrary Length Reducible and Irreducible Perfect Gaussian Integer Sequences with A Pre-Given Gaussian Integer. , 2021, , .		0
3	Closed-Form Output Response of Discrete-Time Linear Time-Invariant Systems Using Intermediate Auxiliary Functions [Lecture Notes]. IEEE Signal Processing Magazine, 2020, 37, 140-145.	4.6	3
4	Two Dimensional Efficient Multiplier-Less Structures of MÃ¶bius Function for Ramanujan Filter Banks. IEEE Transactions on Signal Processing, 2020, 68, 5079-5091.	3.2	6
5	Distributed Compressive Sensing: Performance Analysis With Diverse Signal Ensembles. IEEE Transactions on Signal Processing, 2020, 68, 3500-3514.	3.2	7
6	Face Aging on Realistic Photos by Generative Adversarial Networks. , 2019, , .		13
7	Arbitrary Length Perfect Integer Sequences Using All-Pass Polynomial. IEEE Signal Processing Letters, 2019, 26, 1112-1116.	2.1	4
8	The Mystery Curve-Part 2: Local Symmetry and Frieze Groups [Lecture Notes]. IEEE Signal Processing Magazine, 2019, 36, 161-167.	4.6	0
9	Modern Architecture Style Transfer for Ruin Buildings. , 2019, , .		4
10	Age Estimation on Low Quality Face Images. , 2019, , .		10
11	Modern Architecture Style Transfer for Ruin or Old Buildings. , 2019, , .		13
12	Spatial-Temporal Visual Attention Model for Video Quality Assessment. , 2019, , .		4
13	2-D Laguerre Distributed Approximating Functional: A Circular Low-Pass/Band-Pass Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 818-822.	2.2	4
14	Blind Stereoscopic Image Quality Assessment Based on Hierarchical Learning. IEEE Access, 2019, 7, 8058-8069.	2.6	32
15	Single image desmoking using haze image model and human visual system. Journal of Electronic Imaging, 2019, 28, 1.	0.5	2
16	Compressive Sensing Matrix Design for Fast Encoding and Decoding via Sparse FFT. IEEE Signal Processing Letters, 2018, 25, 591-595.	2.1	11
17	Age Estimation via Fusion of Depthwise Separable Convolutional Neural Networks. , 2018, , .		18
18	Spatio-Temporal Interactive Laws Feature Correlation Method to Video Quality Assessment. , 2018, , .		8

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19	Arbitrary Length Perfect Integer Sequences Using Geometric Series. , 2018, , .		2
20	Adaptive STFT with Chirp-Modulated Gaussian Window. , 2018, , .		6
21	A High-Definition Diversity-Scene Database for Image Quality Assessment. IEEE Access, 2018, 6, 45427-45438.	2.6	33
22	Dilated and Shifted Discrete Hermite Functions With Minimum Time-Bandwidth Product. IEEE Signal Processing Letters, 2018, 25, 898-902.	2.1	0
23	A Secure Compressive Sensing-Based Data Gathering System via Cloud Assistance. IEEE Access, 2018, 6, 31840-31853.	2.6	13
24	Closed-Form Orthogonal Ramanujan Integer Basis. IEEE Signal Processing Letters, 2017, 24, 116-120.	2.1	5
25	Two-Dimensional Period Estimation by Ramanujan's Sum. IEEE Transactions on Signal Processing, 2017, 65, 5108-5120.	3.2	6
26	M-Channel Perfect Recovery of Coarsened Graphs and Graph Signals With Spectral Invariance and Topological Preservation. IEEE Transactions on Signal Processing, 2017, 65, 5164-5178.	3.2	1
27	Pole-Zero Assignment of All-Pass-Based Notch Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 477-481.	2.2	9
28	The Mystery Curve: A Signal Processing Point of View [Lecture Notes]. IEEE Signal Processing Magazine, 2017, 34, 158-163.	4.6	9
29	Optimal Discrete Gaussian Function: The Closed-Form Functions Satisfying Tao's and Donoho's Uncertainty Principle With Nyquist Bandwidth. IEEE Transactions on Signal Processing, 2016, 64, 3051-3064.	3.2	9
30	Discrete Laguerre Gaussian Transforms and Their Applications. IEEE Transactions on Signal Processing, 2016, 64, 3156-3166.	3.2	3
31	Narrowband Notch Filter Using Feedback Structure Tips & Tricks. IEEE Signal Processing Magazine, 2016, 33, 115-118.	4.6	10
32	Age estimation via fusion of multiple binary age grouping systems. , 2016, , .		23
33	Improved design of digital 1-D and 2-D notch filters using general feedback structure. , 2016, , .		3
34	Visual enhancement using sparsity-based image decomposition for low backlight displays. , 2016, , .		2
35	Integer 2-D Discrete Fourier Transform Pairs and Eigenvectors using Ramanujan's Sum. IEEE Signal Processing Letters, 2016, 23, 70-74.	2.1	7
36	Spatial Affine transformations of images by using fractional shift fourier transform. , 2015, , .		6

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37	Facial makeup detection via selected gradient orientation of entropy information. , 2015, , .		16
38	Intrinsic Integer-Periodic Functions for Discrete Periodicity Detection. IEEE Signal Processing Letters, 2015, 22, 1108-1112.	2.1	71
39	Comparison of subjective viewing test methods for image quality assessment. , 2015, , .		24
40	Legendre Ramanujan Sums transform. , 2015, , .		0
41	Simple effective image and video color correction using quaternion distance metric. , 2015, , .		2
42	A new method for the design of variable comb filters. , 2015, , .		0
43	Perfect Gaussian Integer Sequences of Arbitrary Length. IEEE Signal Processing Letters, 2015, 22, 1040-1044.	2.1	31
44	Saliency detection using superpixel belief propagation. , 2014, , .		5
45	A new 3D unseen visible watermarking and its applications to multimedia. , 2014, , .		1
46	High-dynamic-range parallel multi-scale retinex enhancement with spatially-adaptive prior. , 2014, , .		2
47	A new structure and design method for variable fractional-delay 2-D FIR digital filters. Multidimensional Systems and Signal Processing, 2014, 25, 511-529.	1.7	8
48	3D rotation estimation using discrete spherical harmonic oscillator transforms. , 2014, , .		1
49	Conjugate Symmetric Discrete Orthogonal Transform. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 284-288.	2.2	7
50	Removing rain and snow in a single image using saturation and visibility features. , 2014, , .		9
51	Demosaicking of Color Filter Array patterns using Quaternion Fourier Transform and low pass filter. , 2013, , .		0
52	Reversible Joint Hilbert and Linear Canonical Transform Without Distortion. IEEE Transactions on Signal Processing, 2013, 61, 4768-4781.	3.2	14
53	Spatially-varying super-resolution for HDTV. , 2013, , .		0
54	Discrete Spherical Harmonic Oscillator Transforms on the Cartesian Grids Using Transformation Coefficients. IEEE Transactions on Signal Processing, 2013, 61, 1149-1164.	3.2	4

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55	Derivation and discrete implementation for analytic signal of linear canonical transform. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 987.	0.8	4
56	On integer-valued zero autocorrelation sequences. , 2013, , .		5
57	Closed-form eigenvectors of the discrete Fourier Transform. , 2013, , .		1
58	Content authentication of halftone video via flickering as sparse signal. , 2012, , .		1
59	Edge-preserving image decomposition based on guided upper/lower envelopes. , 2012, , .		1
60	Signal Scaling by Centered Discrete Dilated Hermite Functions. IEEE Transactions on Signal Processing, 2012, 60, 498-503.	3.2	17
61	Spatially-varying out-of-focus image deblurring with L1-2 optimization and a guided blur map. , 2012, , .		24
62	A general form of 2D Fourier transform eigenfunctions. , 2012, , .		5
63	Fast Finite Field Orthogonal Transform without length constraint. , 2012, , .		0
64	Fast OMP: Reformulating OMP via iteratively refining ℓ_2/ℓ_1 -norm solutions. , 2012, , .		7
65	The generalized fractional fourier transform. , 2012, , .		1
66	Nighttime haze removal using color transfer pre-processing and Dark Channel Prior. , 2012, , .		91
67	Effective image haze removal using dark channel prior and post-processing. , 2012, , .		15
68	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	2.5	84
69	Closed Form Variable Fractional Time Delay Using FFT. IEEE Signal Processing Letters, 2012, 19, 299-302.	2.1	11
70	Secure transcoding for compressive multimedia sensing. , 2011, , .		5
71	An Improved method for the design of variable fractional-delay IIR digital filters. , 2011, , .		0
72	Enhancement of uneven lighting text image using line-based Empirical Mode Decomposition. , 2011, , .		3

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73	Two-Dimensional Partially Differential Cepstrum and Its Applications on Filter Stabilization and Phase Unwrapping. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 737-745.	3.5	3
74	Closed-Form Orthogonal Number Theoretic Transform Eigenvectors and the Fast Fractional NTT. IEEE Transactions on Signal Processing, 2011, 59, 2124-2135.	3.2	17
75	Discrete linear canonical transforms based on dilated Hermite functions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 1695.	0.8	23
76	Census-based vision for auditory depth images and speech navigation of visually impaired users. IEEE Transactions on Consumer Electronics, 2011, 57, 1883-1890.	3.0	13
77	Jacket Haar transform. , 2011, , .		4
78	Efficient discrete fractional Hirschman optimal transform and its application. , 2011, , .		2
79	Watermarking in halftone images with noise balance strategy. International Journal of Imaging Systems and Technology, 2010, 20, 202-214.	2.7	0
80	Secure and robust sift with resistance to chosen-plaintext attack. , 2010, , .		1
81	Design of IIR allpass fractional-delay fractional Hilbert transformer using complex cepstrum. , 2010, , .		0
82	Two-dimensional partially differential cepstrum and minimum-phase sequence construction. , 2010, , .		1
83	Design of Fractional Delay Filter, Differintegrator, Fractional Hilbert Transformer, and Differentiator in Time Domain With Peano Kernel. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 391-404.	3.5	17
84	Fractional Fourier Transform, Wigner Distribution, and Filter Design for Stationary and Nonstationary Random Processes. IEEE Transactions on Signal Processing, 2010, 58, 4079-4092.	3.2	67
85	A New Criterion for the Design of Variable Fractional-Delay FIR Digital Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 368-377.	3.5	19
86	Color image watermarking using SVD. , 2010, , .		11
87	Energy concentration enhancement using window width optimization in S transform. , 2010, , .		13
88	Design of complex coefficient variable fractional-delay allpass digital filters by eigenfilter approach. , 2010, , .		1
89	Design of 3-D FIR Cone-Shaped Filters by a Nest of McClellan Transformations. , 2010, , .		0
90	Closed-Form Design of Maximally Flat IIR Hilbert Transformer With Integer Delay. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 2925-2937.	3.5	1

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91	Color quantization by 3D spherical Fibonacci lattices. , 2009, , .		1
92	Generating matrix of discrete Fourier transform eigenvectors. , 2009, , .		6
93	Secure image hashing via minimum distortion estimation. , 2009, , .		2
94	Improved reversible integer-to-integer color transforms. , 2009, , .		18
95	Natural images phase encoding and encryption with the same spectrum amplitude. , 2009, , .		0
96	New discrete inverse S transform with least square error in filtering. , 2009, , .		4
97	Random Discrete Fractional Fourier Transform. IEEE Signal Processing Letters, 2009, 16, 1015-1018.	2.1	115
98	Design of Variable Two-Dimensional FIR Digital Filters by McClellan Transformation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 574-582.	3.5	35
99	Two-Dimensional Farrow Structure and the Design of Variable Fractional-Delay 2-D FIR Digital Filters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 395-404.	3.5	22
100	DFT-Commuting Matrix With Arbitrary or Infinite Order Second Derivative Approximation. IEEE Transactions on Signal Processing, 2009, 57, 390-394.	3.2	14
101	Least-Squares Design of Variable Maximally Linear FIR Differentiators. IEEE Transactions on Signal Processing, 2009, 57, 4568-4573.	3.2	9
102	Tunable FIR and IIR Fractional-Delay Filter Design and Structure Based on Complex Cepstrum. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 2195-2206.	3.5	10
103	A novel music similarity measure system based on instrumentation analysis. , 2009, , .		1
104	Instrumentation analysis and identification of polyphonic music using beat-synchronous feature integration and fuzzy clustering. , 2009, , .		5
105	Fractional Bilinear Transform for Analog-to-Digital Conversion. IEEE Transactions on Signal Processing, 2008, 56, 2122-2127.	3.2	46
106	Tridiagonal Commuting Matrices and Fractionalizations of DCT and DST Matrices of Types I, IV, V, and VIII. IEEE Transactions on Signal Processing, 2008, 56, 2357-2369.	3.2	18
107	Closed-Form Orthogonal DFT Eigenvectors Generated by Complete Generalized Legendre Sequence. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3469-3479.	3.5	17
108	Short response Hilbert transform for edge detection. , 2008, , .		3

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109	Design of variable fractional-delay 2-D FIR digital filters by weighted least-squares approach. , 2008, , .		0
110	A Hybrid Coarse/Fine Layered Multicast Scheme Based on Hierarchical Bandwidth Inference Congestion Control. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1776-1780.	5.6	2
111	Coefficient-truncated higher-order commuting matrices of the discrete fourier transform. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
112	Minimax Design of Variable Fractional-Delay FIR Digital Filters by Iterative Weighted Least-Squares Approach. IEEE Signal Processing Letters, 2008, 15, 693-696.	2.1	23
113	Automatic video diagnosing method using embedded crypto-watermarks. , 2008, , .		1
114	Eigenvalues and Singular Value Decompositions of Reduced Biquaternion Matrices. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 2673-2685.	3.5	33
115	Generalized Commuting Matrices and Their Eigenvectors for DFTs, Offset DFTs, and Other Periodic Operations. IEEE Transactions on Signal Processing, 2008, 56, 3891-3904.	3.2	28
116	Video Halftoning Preserving Temporal Consistency. , 2007, , .		8
117	Fast Matching Pursuit Video Coding by Combining Dictionary Approximation and Atom Extraction. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1679-1689.	5.6	3
118	Improved Harris' Algorithm for Corner and Edge Detections. , 2007, , .		10
119	2.5-Domain Tri-Watermarking Algorithm for DCT-Based Video Protection. , 2007, , .		2
120	Joint Bi-Watermarking and Halftoning Technique Capability for Both Tampered Areas Localization and Recovery of Still Image. , 2007, , .		0
121	Design of Allpass Fractional Delay Filter and Fractional Hilbert Transformer Using Closed-Form of Cepstral Coefficients. , 2007, , .		7
122	Modified Inverse s Transform for Filtering in Time-Frequency Spectrum. , 2007, , .		7
123	Eigenfunctions of Fourier and Fractional Fourier Transforms With Complex Offsets and Parameters. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2007, 54, 1599-1611.	0.1	42
124	Odd Ramanujan Sums of Complex Roots of Unity. IEEE Signal Processing Letters, 2007, 14, 20-23.	2.1	21
125	Efficient Bit and Digital Reversal Algorithm Using Vector Calculation. IEEE Transactions on Signal Processing, 2007, 55, 1173-1175.	3.2	5
126	Relations Between Gabor Transforms and Fractional Fourier Transforms and Their Applications for Signal Processing. IEEE Transactions on Signal Processing, 2007, 55, 4839-4850.	3.2	103

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127	Generally Dimensional and Constellation Expansion Free Space-Time Block Codes for QAM With Full Diversity. IEEE Transactions on Information Theory, 2007, 53, 836-843.	1.5	4
128	Closed-form design of maximally flat FIR fractional delay filters. IEEE Signal Processing Letters, 2006, 13, 405-408.	2.1	23
129	Effective palette indexing for image compression using self-organization of Kohonen feature map. IEEE Transactions on Image Processing, 2006, 15, 2493-2498.	6.0	11
130	Tracking moving objects in image sequences using 1-D trajectory filter. IEEE Signal Processing Letters, 2006, 13, 13-16.	2.1	13
131	Multiple blocks matching pursuit update algorithm for low bit rate video coding. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 331-337.	5.6	5
132	High-capacity data hiding in halftone images using minimal-error bit searching and least-mean square filter. IEEE Transactions on Image Processing, 2006, 15, 1665-1679.	6.0	29
133	Robustness Enhancement for Noncentric Quantization-Based Image Watermarking. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 1507-1518.	5.6	5
134	A Novel Image Recovery Algorithm for Visible Watermarked Images. IEEE Transactions on Information Forensics and Security, 2006, 1, 543-550.	4.5	35
135	A new progressive coding scheme for halftone dithered images using bit-interleaving. International Journal of Imaging Systems and Technology, 2006, 16, 121-127.	2.7	0
136	The multiple-parameter discrete fractional Fourier transform. IEEE Signal Processing Letters, 2006, 13, 329-332.	2.1	88
137	Color Images Enhancement using Weighted Histogram Separation. , 2006, , .		13
138	DCT-Based Image Protection using Dual-Domain Bi-Watermarking Algorithm. , 2006, , .		3
139	Direct N-point DCT computation from three adjacent N/3-point DCT coefficients. IEEE Signal Processing Letters, 2005, 12, 89-92.	2.1	3
140	New corner detection algorithm by tangent and vertical axes and case table. , 2005, , .		6
141	Algebraic identification for optimal nonorthogonality 4/spl times/4 complex space-time block codes using tensor product on quaternions. IEEE Transactions on Information Theory, 2005, 51, 324-330.	1.5	12
142	SNR scalability based on bitplane coding of matching pursuit atoms at low bit rates: fine-grained and two-layer. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 3-14.	5.6	9
143	Reversible integer color transform with bit-constraint. , 2005, , .		3
144	Video analysis by means of major face determination. , 2005, , .		0

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145	Multiple blocks update algorithm for matching pursuit video coding. , 2005, , .		0
146	Novel robust watermarking technique in dithering halftone images. IEEE Signal Processing Letters, 2005, 12, 333-336.	2.1	24
147	Generalized prolate spheroidal wave functions for optical finite fractional Fourier and linear canonical transforms. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 460.	0.8	23
148	A two-channel nonuniform perfect reconstruction filter Bank with irrational down-sampling factors. IEEE Signal Processing Letters, 2005, 12, 116-119.	2.1	15
149	Virtual Restoration of Ancient Chinese Paintings Using Color Contrast Enhancement and Lacuna Texture Synthesis. IEEE Transactions on Image Processing, 2004, 13, 416-429.	6.0	107
150	Split Vector-Radix-2/8 2-D Fast Fourier Transform. IEEE Signal Processing Letters, 2004, 11, 459-462.	2.1	3
151	Commutative Reduced Biquaternions and Their Fourier Transform for Signal and Image Processing Applications. IEEE Transactions on Signal Processing, 2004, 52, 2012-2031.	3.2	78
152	Generalized Eigenvectors and Fractionalization of Offset DFTs and DCTs. IEEE Transactions on Signal Processing, 2004, 52, 2032-2046.	3.2	18
153	A method for the discrete fractional Fourier transform computation. IEEE Transactions on Signal Processing, 2003, 51, 889-891.	3.2	42
154	Eigenfunctions of the offset Fourier, fractional Fourier, and linear canonical transforms. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 522.	0.8	77
155	An efficient design of a variable fractional delay filter using a first-order differentiator. IEEE Signal Processing Letters, 2003, 10, 307-310.	2.1	33
156	Data hiding in halftone images with noise-balanced error diffusion. IEEE Signal Processing Letters, 2003, 10, 349-351.	2.1	39
157	Effective color interpolation in CCD color filter arrays using signal correlation. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 503-513.	5.6	277
158	Design of a class of IIR eigenfilters with time- and frequency-domain constraints. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2002, 49, 145-151.	2.3	8
159	Closed-form design of allpass fractional delay filters. , 2002, , .		1
160	Fractional cosine, sine, and Hartley transforms. IEEE Transactions on Signal Processing, 2002, 50, 1661-1680.	3.2	62
161	Design of equiripple FIR filters with constraint using a multiple exchange algorithm. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 113-116.	0.1	12
162	Eigenfunctions of linear canonical transform. IEEE Transactions on Signal Processing, 2002, 50, 11-26.	3.2	142

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163	Two-dimensional affine generalized fractional Fourier transform. IEEE Transactions on Signal Processing, 2001, 49, 878-897.	3.2	39
164	Relations between fractional operations and time-frequency distributions, and their applications. IEEE Transactions on Signal Processing, 2001, 49, 1638-1655.	3.2	236
165	Stable IIR notch filter design with optimal pole placement. IEEE Transactions on Signal Processing, 2001, 49, 2673-2681.	3.2	80
166	Efficient implementation of quaternion Fourier transform, convolution, and correlation by 2-D complex FFT. IEEE Transactions on Signal Processing, 2001, 49, 2783-2797.	3.2	192
167	A new eigenfilter based on total least squares error criterion. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 699-709.	0.1	36
168	Closed-form design of maximally flat FIR Hilbert transformers, differentiators, and fractional delayers by power series expansion. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2001, 48, 389-398.	0.1	44
169	Programmable fractional sample delay filters with flatness compromise between magnitude response and group delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 783-787.	2.3	3
170	Closed-form design and efficient implementation of generalized maximally flat half-band FIR filters. IEEE Signal Processing Letters, 2000, 7, 149-151.	2.1	14
171	Design of arbitrary cutoff 2-D diamond-shaped FIR filters using the Bernstein polynomial. IEEE Signal Processing Letters, 2000, 7, 310-313.	2.1	5
172	Discrete fractional Hilbert transform. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 1307-1311.	2.3	49
173	The integer transforms analogous to discrete trigonometric transforms. IEEE Transactions on Signal Processing, 2000, 48, 3345-3364.	3.2	19
174	Design and application of discrete-time fractional Hilbert transformer. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 1529-1533.	2.3	55
175	Limited color display for compressed image and video. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 913-922.	5.6	7
176	A new discrete fractional Fourier transform based on constrained eigendecomposition of DFT matrix by Lagrange multiplier method. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1999, 46, 1240-1245.	2.3	29
177	2-D affine generalized fractional Fourier transform. , 1999, , .		0
178	A moment-based approach for deskewing rotationally symmetric shapes. IEEE Transactions on Image Processing, 1999, 8, 1831-1834.	6.0	7
179	Fractional Fourier series expansion for finite signals and dual extension to discrete-time fractional Fourier transform. IEEE Transactions on Signal Processing, 1999, 47, 2883-2888.	3.2	110
180	Fractionally spaced blind equalization using polyperiodic linear filtering. IEEE Transactions on Communications, 1998, 46, 16-19.	4.9	2

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181	Global motion estimation in model-based image coding by tracking three-dimensional contour feature points. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 181-190.	5.6	14
182	Color image compression and limited display using self-organization Kohonen map. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 191-205.	5.6	46
183	A comb filter design using fractional-sample delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 649-653.	2.3	69
184	Very low bit-rate coding algorithm for stereo video with spatiotemporal HVS model and binary correlation disparity estimator. IEEE Journal on Selected Areas in Communications, 1998, 16, 98-107.	9.7	4
185	A weighted least-squares method for the design of stable 1-D and 2-D IIR digital filters. IEEE Transactions on Signal Processing, 1998, 46, 1-10.	3.2	138
186	FIR filter designs with linear constraints using the eigenfilter approach. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 232-237.	2.3	21
187	Discrete fractional Hartley and Fourier transforms. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 665-675.	2.3	90
188	Analytical two-dimensional IIR notch filter design using outer product expansion. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1997, 44, 765-768.	2.3	14
189	Motion-based grouping of optical flow fields: the extrapolation and subtraction technique. IEEE Transactions on Image Processing, 1997, 6, 1358-1363.	6.0	7
190	Design of complex FIR filters with arbitrary complex frequency responses by two real Chebyshev approximations. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 170-174.	0.1	6
191	IIR multiple notch filter design based on allpass filter. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1997, 44, 133-136.	2.3	84
192	A novel block truncation coding of color images using a quaternion-moment-preserving principle. IEEE Transactions on Communications, 1997, 45, 583-595.	4.9	49
193	Analytic closed-form matrix for designing higher order digital differentiators using eigen-approach. IEEE Transactions on Signal Processing, 1996, 44, 698-701.	3.2	24
194	Transform domain adaptive linear phase filter. IEEE Transactions on Signal Processing, 1996, 44, 3142-3146.	3.2	6
195	Fast design of 2-D linear-phase complex FIR digital filters by analytical least squares method. IEEE Transactions on Signal Processing, 1996, 44, 3157-3161.	3.2	9
196	A low complexity algorithm for detecting rotational symmetry based on the Hough transform technique. , 1996, , .		0
197	A parallel decoding algorithm for IFS codes without transient behavior. IEEE Transactions on Image Processing, 1996, 5, 411-415.	6.0	15
198	A moment-based approach for deskewing rotationally symmetric shapes. , 1996, , .		0

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199	Efficient fast design of three- and higher-dimensional FIR digital filters by analytical least squares method. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1996, 43, 339-344.	2.3	4
200	Design of two-dimensional FIR digital filters by McClellan transformation and least-squares contour mapping. Signal Processing, 1995, 44, 19-26.	2.1	19
201	High Speed Video Compression Testbed. , 1994, , .		0
202	Cross-Terms Analysis in the Modified Instantaneous Power Spectrum. IEEE Transactions on Signal Processing, 1993, 41, 477.	3.2	3
203	Efficient design of 2-D multiplierless FIR filters by transformation. IEEE Transactions on Circuits and Systems, 1987, 34, 436-438.	0.9	11
204	Design of 2-D quadrature mirror FIR filters for image subband coding. IEEE Transactions on Circuits and Systems, 1987, 34, 438-441.	0.9	6
205	A novel 2-D window for spectral estimation. IEEE Transactions on Circuits and Systems, 1987, 34, 1112-1115.	0.9	0
206	Fast biased polynomial transforms. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1986, 34, 383-385.	2.0	0
207	Comments on "Highly Selective Three-Dimensional Recursive Beam filters using Intersection Resonant Planes. IEEE Transactions on Circuits and Systems, 1986, 33, 669-670.	0.9	1
208	Saving the bandwidth in the fractional domain by generalized Hilbert transform pair relations. , 0, , .		0
209	Automatic text detection using multi-layer color quantization in complex color images. , 0, , .		8
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