

Soo-Chang Pei

List of Publications by Year in descending order

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259
papers

4,613
citations

126907

33
h-index

144013

57
g-index

259
all docs

259
docs citations

259
times ranked

2270
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective color interpolation in CCD color filter arrays using signal correlation. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 503-513.	8.3	277
2	Relations between fractional operations and time-frequency distributions, and their applications. IEEE Transactions on Signal Processing, 2001, 49, 1638-1655.	5.3	236
3	Efficient implementation of quaternion Fourier transform, convolution, and correlation by 2-D complex FFT. IEEE Transactions on Signal Processing, 2001, 49, 2783-2797.	5.3	192
4	Eigenfunctions of linear canonical transform. IEEE Transactions on Signal Processing, 2002, 50, 11-26.	5.3	142
5	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.	5.3	138
6	Random Discrete Fractional Fourier Transform. IEEE Signal Processing Letters, 2009, 16, 1015-1018.	3.6	115
7	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.	5.3	110
8	Virtual Restoration of Ancient Chinese Paintings Using Color Contrast Enhancement and Lacuna Texture Synthesis. IEEE Transactions on Image Processing, 2004, 13, 416-429.	9.8	107
9	Relations Between Gabor Transforms and Fractional Fourier Transforms and Their Applications for Signal Processing. IEEE Transactions on Signal Processing, 2007, 55, 4839-4850.	5.3	103
10	Nighttime haze removal using color transfer pre-processing and Dark Channel Prior. , 2012, , .		91
11	Discrete fractional Hartley and Fourier transforms. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 665-675.	2.2	90
12	The multiple-parameter discrete fractional Fourier transform. IEEE Signal Processing Letters, 2006, 13, 329-332.	3.6	88
13	IIR multiple notch filter design based on allpass filter. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1997, 44, 133-136.	2.2	84
14	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	4.1	84
15	Stable IIR notch filter design with optimal pole placement. IEEE Transactions on Signal Processing, 2001, 49, 2673-2681.	5.3	80
16	Commutative Reduced Biquaternions and Their Fourier Transform for Signal and Image Processing Applications. IEEE Transactions on Signal Processing, 2004, 52, 2012-2031.	5.3	78
17	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.	1.5	77
18	Intrinsic Integer-Periodic Functions for Discrete Periodicity Detection. IEEE Signal Processing Letters, 2015, 22, 1108-1112.	3.6	71

#	ARTICLE	IF	CITATIONS
19	A comb filter design using fractional-sample delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 649-653.	2.2	69
20	Fractional Fourier Transform, Wigner Distribution, and Filter Design for Stationary and Nonstationary Random Processes. IEEE Transactions on Signal Processing, 2010, 58, 4079-4092.	5.3	67
21	Fractional cosine, sine, and Hartley transforms. IEEE Transactions on Signal Processing, 2002, 50, 1661-1680.	5.3	62
22	Design and application of discrete-time fractional Hilbert transformer. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 1529-1533.	2.2	55
23	A novel block truncation coding of color images using a quaternion-moment-preserving principle. IEEE Transactions on Communications, 1997, 45, 583-595.	7.8	49
24	Discrete fractional Hilbert transform. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2000, 47, 1307-1311.	2.2	49
25	Detecting digital tampering by blur estimation. , 0, , .		49
26	Color image compression and limited display using self-organization Kohonen map. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 191-205.	8.3	46
27	Fractional Bilinear Transform for Analog-to-Digital Conversion. IEEE Transactions on Signal Processing, 2008, 56, 2122-2127.	5.3	46
28	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
29	A method for the discrete fractional Fourier transform computation. IEEE Transactions on Signal Processing, 2003, 51, 889-891.	5.3	42
30	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
31	Two-dimensional affine generalized fractional Fourier transform. IEEE Transactions on Signal Processing, 2001, 49, 878-897.	5.3	39
32	Data hiding in halftone images with noise-balanced error diffusion. IEEE Signal Processing Letters, 2003, 10, 349-351.	3.6	39
33	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
34	Effective color interpolation in CCD color filter array using signal correlation. , 0, , .		35
35	A Novel Image Recovery Algorithm for Visible Watermarked Images. IEEE Transactions on Information Forensics and Security, 2006, 1, 543-550.	6.9	35
36	Design of Variable Two-Dimensional FIR Digital Filters by McClellan Transformation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 574-582.	5.4	35

#	ARTICLE	IF	CITATIONS
37	An efficient design of a variable fractional delay filter using a first-order differentiator. IEEE Signal Processing Letters, 2003, 10, 307-310.	3.6	33
38	Eigenvalues and Singular Value Decompositions of Reduced Biquaternion Matrices. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 2673-2685.	5.4	33
39	A High-Definition Diversity-Scene Database for Image Quality Assessment. IEEE Access, 2018, 6, 45427-45438.	4.2	33
40	Blind Stereoscopic Image Quality Assessment Based on Hierarchical Learning. IEEE Access, 2019, 7, 8058-8069.	4.2	32
41	Perfect Gaussian Integer Sequences of Arbitrary Length. IEEE Signal Processing Letters, 2015, 22, 1040-1044.	3.6	31
42	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.	2.2	29
43	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.	9.8	29
44	Generalized Commuting Matrices and Their Eigenvectors for DFTs, Offset DFTs, and Other Periodic Operations. IEEE Transactions on Signal Processing, 2008, 56, 3891-3904.	5.3	28
45	Analytic closed-form matrix for designing higher order digital differentiators using eigen-approach. IEEE Transactions on Signal Processing, 1996, 44, 698-701.	5.3	24
46	Novel robust watermarking technique in dithering halftone images. IEEE Signal Processing Letters, 2005, 12, 333-336.	3.6	24
47	Spatially-varying out-of-focus image deblurring with L1-2 optimization and a guided blur map. , 2012, , .		24
48	Comparison of subjective viewing test methods for image quality assessment. , 2015, , .		24
49	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.	1.5	23
50	Closed-form design of maximally flat FIR fractional delay filters. IEEE Signal Processing Letters, 2006, 13, 405-408.	3.6	23
51	Minimax Design of Variable Fractional-Delay FIR Digital Filters by Iterative Weighted Least-Squares Approach. IEEE Signal Processing Letters, 2008, 15, 693-696.	3.6	23
52	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.	1.5	23
53	Age estimation via fusion of multiple binary age grouping systems. , 2016, , .		23
54	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.	5.4	22

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55	FIR filter designs with linear constraints using the eigenfilter approach. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 232-237.	2.2	21
56	Odd Ramanujan Sums of Complex Roots of Unity. IEEE Signal Processing Letters, 2007, 14, 20-23.	3.6	21
57	Design of two-dimensional FIR digital filters by McClellan transformation and least-squares contour mapping. Signal Processing, 1995, 44, 19-26.	3.7	19
58	A novel block truncation coding of color images by using quaternion-moment-preserving principle. , 0, , .		19
59	The integer transforms analogous to discrete trigonometric transforms. IEEE Transactions on Signal Processing, 2000, 48, 3345-3364.	5.3	19
60	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.	5.4	19
61	Generalized Eigenvectors and Fractionalization of Offset DFTs and DCTs. IEEE Transactions on Signal Processing, 2004, 52, 2032-2046.	5.3	18
62	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.	5.3	18
63	Improved reversible integer-to-integer color transforms. , 2009, , .		18
64	Age Estimation via Fusion of Depthwise Separable Convolutional Neural Networks. , 2018, , .		18
65	Closed-Form Orthogonal DFT Eigenvectors Generated by Complete Generalized Legendre Sequence. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3469-3479.	5.4	17
66	Design of Fractional Delay Filter, Differentiator, Fractional Hilbert Transformer, and Differentiator in Time Domain With Peano Kernel. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 391-404.	5.4	17
67	Closed-Form Orthogonal Number Theoretic Transform Eigenvectors and the Fast Fractional NTT. IEEE Transactions on Signal Processing, 2011, 59, 2124-2135.	5.3	17
68	Signal Scaling by Centered Discrete Dilated Hermite Functions. IEEE Transactions on Signal Processing, 2012, 60, 498-503.	5.3	17
69	Facial makeup detection via selected gradient orientation of entropy information. , 2015, , .		16
70	A parallel decoding algorithm for IFS codes without transient behavior. IEEE Transactions on Image Processing, 1996, 5, 411-415.	9.8	15
71	Discrete fractional Fourier transform. , 0, , .		15
72	A two-channel nonuniform perfect reconstruction filter Bank with irrational down-sampling factors. IEEE Signal Processing Letters, 2005, 12, 116-119.	3.6	15

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73	Effective image haze removal using dark channel prior and post-processing. , 2012, , .		15
74	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.	2.2	14
75	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.	8.3	14
76	Closed-form design and efficient implementation of generalized maximally flat half-band FIR filters. IEEE Signal Processing Letters, 2000, 7, 149-151.	3.6	14
77	DFT-Commuting Matrix With Arbitrary or Infinite Order Second Derivative Approximation. IEEE Transactions on Signal Processing, 2009, 57, 390-394.	5.3	14
78	Reversible Joint Hilbert and Linear Canonical Transform Without Distortion. IEEE Transactions on Signal Processing, 2013, 61, 4768-4781.	5.3	14
79	Tracking moving objects in image sequences using 1-D trajectory filter. IEEE Signal Processing Letters, 2006, 13, 13-16.	3.6	13
80	Color Images Enhancement using Weighted Histogram Separation. , 2006, , .		13
81	Energy concentration enhancement using window width optimization in S transform. , 2010, , .		13
82	Census-based vision for auditory depth images and speech navigation of visually impaired users. IEEE Transactions on Consumer Electronics, 2011, 57, 1883-1890.	3.6	13
83	A Secure Compressive Sensing-Based Data Gathering System via Cloud Assistance. IEEE Access, 2018, 6, 31840-31853.	4.2	13
84	Face Aging on Realistic Photos by Generative Adversarial Networks. , 2019, , .		13
85	Modern Architecture Style Transfer for Ruin or Old Buildings. , 2019, , .		13
86	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
87	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.	2.4	12
88	Efficient design of 2-D multiplierless FIR filters by transformation. IEEE Transactions on Circuits and Systems, 1987, 34, 436-438.	0.9	11
89	Discrete fractional Hilbert transform. , 0, , .		11
90	Effective palette indexing for image compression using self-organization of Kohonen feature map. IEEE Transactions on Image Processing, 2006, 15, 2493-2498.	9.8	11

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91	Color image watermarking using SVD. , 2010, , .		11
92	Closed Form Variable Fractional Time Delay Using FFT. IEEE Signal Processing Letters, 2012, 19, 299-302.	3.6	11
93	Compressive Sensing Matrix Design for Fast Encoding and Decoding via Sparse FFT. IEEE Signal Processing Letters, 2018, 25, 591-595.	3.6	11
94	Discrete fractional Hadamard transform. , 0, , .		10
95	Maximally flat allpass fractional Hilbert transformers. , 0, , .		10
96	Improved Harris' Algorithm for Corner and Edge Detections. , 2007, , .		10
97	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.	5.4	10
98	Narrowband Notch Filter Using Feedback Structure Tips & Tricks. IEEE Signal Processing Magazine, 2016, 33, 115-118.	5.6	10
99	Age Estimation on Low Quality Face Images. , 2019, , .		10
100	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.	5.3	9
101	Color pattern recognition by quaternion correlation. , 0, , .		9
102	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.	8.3	9
103	Least-Squares Design of Variable Maximally Linear FIR Differentiators. IEEE Transactions on Signal Processing, 2009, 57, 4568-4573.	5.3	9
104	Removing rain and snow in a single image using saturation and visibility features. , 2014, , .		9
105	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.	5.3	9
106	Pole-Zero Assignment of All-Pass-Based Notch Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 477-481.	3.0	9
107	The Mystery Curve: A Signal Processing Point of View [Lecture Notes]. IEEE Signal Processing Magazine, 2017, 34, 158-163.	5.6	9
108	Automatic text detection using multi-layer color quantization in complex color images. , 0, , .		8

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109	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.	2.2	8
110	Deriving new quasi-orthogonal space-time block codes and relaxed designing viewpoints with full transmit diversity. , 0, , .		8
111	Video Halftoning Preserving Temporal Consistency. , 2007, , .		8
112	A new structure and design method for variable fractional-delay 2-D FIR digital filters. Multidimensional Systems and Signal Processing, 2014, 25, 511-529.	2.6	8
113	Spatio-Temporal Interactive Laws Feature Correlation Method to Video Quality Assessment. , 2018, , .		8
114	Motion-based grouping of optical flow fields: the extrapolation and subtraction technique. IEEE Transactions on Image Processing, 1997, 6, 1358-1363.	9.8	7
115	A moment-based approach for deskewing rotationally symmetric shapes. IEEE Transactions on Image Processing, 1999, 8, 1831-1834.	9.8	7
116	Closed-form design of maximally flat R-regular Mth-band FIR filters. , 0, , .		7
117	Limited color display for compressed image and video. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 913-922.	8.3	7
118	A novel method for discrete fractional Fourier transform computation. , 0, , .		7
119	Design of Allpass Fractional Delay Filter and Fractional Hilbert Transformer Using Closed-Form of Cepstral Coefficients. , 2007, , .		7
120	Modified Inverse s Transform for Filtering in Time-Frequency Spectrum. , 2007, , .		7
121	Fast OMP: Reformulating OMP via iteratively refining ℓ_1/ℓ_2 -norm solutions. , 2012, , .		7
122	Conjugate Symmetric Discrete Orthogonal Transform. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 284-288.	3.0	7
123	Integer 2-D Discrete Fourier Transform Pairs and Eigenvectors using Ramanujan's Sum. IEEE Signal Processing Letters, 2016, 23, 70-74.	3.6	7
124	Distributed Compressive Sensing: Performance Analysis With Diverse Signal Ensembles. IEEE Transactions on Signal Processing, 2020, 68, 3500-3514.	5.3	7
125	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
126	Transform domain adaptive linear phase filter. IEEE Transactions on Signal Processing, 1996, 44, 3142-3146.	5.3	6

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127	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
128	2D quaternion Fourier spectral analysis and its applications. , 0, , .		6
129	New corner detection algorithm by tangent and vertical axes and case table. , 2005, , .		6
130	Generating matrix of discrete Fourier transform eigenvectors. , 2009, , .		6
131	Spatial Affine transformations of images by using fractional shift fourier transform. , 2015, , .		6
132	Two-Dimensional Period Estimation by Ramanujan's Sum. IEEE Transactions on Signal Processing, 2017, 65, 5108-5120.	5.3	6
133	Adaptive STFT with Chirp-Modulated Gaussian Window. , 2018, , .		6
134	Two Dimensional Efficient Multiplier-Less Structures of Möbius Function for Ramanujan Filter Banks. IEEE Transactions on Signal Processing, 2020, 68, 5079-5091.	5.3	6
135	Design of arbitrary cutoff 2-D diamond-shaped FIR filters using the Bernstein polynomial. IEEE Signal Processing Letters, 2000, 7, 310-313.	3.6	5
136	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.	8.3	5
137	Robustness Enhancement for Noncentric Quantization-Based Image Watermarking. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 1507-1518.	8.3	5
138	Efficient Bit and Digital Reversal Algorithm Using Vector Calculation. IEEE Transactions on Signal Processing, 2007, 55, 1173-1175.	5.3	5
139	Instrumentation analysis and identification of polyphonic music using beat-synchronous feature integration and fuzzy clustering. , 2009, , .		5
140	Secure transcoding for compressive multimedia sensing. , 2011, , .		5
141	A general form of 2D Fourier transform eigenfunctions. , 2012, , .		5
142	On integer-valued zero autocorrelation sequences. , 2013, , .		5
143	Saliency detection using superpixel belief propagation. , 2014, , .		5
144	Closed-Form Orthogonal Ramanujan Integer Basis. IEEE Signal Processing Letters, 2017, 24, 116-120.	3.6	5

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145	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.	2.2	4
146	A comb filter design using fractional-sample delay. , 0, , .		4
147	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.	14.0	4
148	Fractional, canonical, and simplified fractional cosine transforms. , 0, , .		4
149	The generalized radial Hilbert transform and its applications to 2D edge detection (any direction or) Tj ETQq1 1 0.784314 rgBT /Overlo		4
150	Generally Dimensional and Constellation Expansion Free Space Time Block Codes for QAM With Full Diversity. IEEE Transactions on Information Theory, 2007, 53, 836-843.	2.4	4
151	New discrete inverse S transform with least square error in filtering. , 2009, , .		4
152	Jacket Haar transform. , 2011, , .		4
153	Discrete Spherical Harmonic Oscillator Transforms on the Cartesian Grids Using Transformation Coefficients. IEEE Transactions on Signal Processing, 2013, 61, 1149-1164.	5.3	4
154	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.	1.5	4
155	Arbitrary Length Perfect Integer Sequences Using All-Pass Polynomial. IEEE Signal Processing Letters, 2019, 26, 1112-1116.	3.6	4
156	Modern Architecture Style Transfer for Ruin Buildings. , 2019, , .		4
157	Spatial-Temporal Visual Attention Model for Video Quality Assessment. , 2019, , .		4
158	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.	3.0	4
159	Binary Signal Perfect Recovery From Partial DFT Coefficients. IEEE Transactions on Signal Processing, 2022, 70, 3848-3861.	5.3	4
160	Cross-Terms Analysis in the Modified Instantaneous Power Spectrum. IEEE Transactions on Signal Processing, 1993, 41, 477.	5.3	3
161	A new definition of continuous fractional Hartley transform. , 0, , .		3
162	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.	2.2	3

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163	Integer discrete Fourier transform and its extension to integer trigonometric transforms. , 0, , .		3
164	Robust face detection for different chromatic illuminations. , 0, , .		3
165	Split Vector-Radix-2/8 2-D Fast Fourier Transform. IEEE Signal Processing Letters, 2004, 11, 459-462.	3.6	3
166	High-capacity data hiding in halftone images using minimal error bit searching. , 0, , .		3
167	Direct N-point DCT computation from three adjacent N/3-point DCT coefficients. IEEE Signal Processing Letters, 2005, 12, 89-92.	3.6	3
168	Fine-Grain Layered Multicast based on Hierarchical Bandwidth Inference Congestion Control. , 0, , .		3
169	Reversible integer color transform with bit-constraint. , 2005, , .		3
170	Watermarking in Halftone Images with Parity-Matched Error Diffusion. , 0, , .		3
171	DCT-Based Image Protection using Dual-Domain Bi-Watermarking Algorithm. , 2006, , .		3
172	Improved Reversible Integer Transform. , 0, , .		3
173	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.	8.3	3
174	Short response Hilbert transform for edge detection. , 2008, , .		3
175	Enhancement of uneven lighting text image using line-based Empirical Mode Decomposition. , 2011, , .		3
176	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.	5.4	3
177	Discrete Laguerre Gaussian Transforms and Their Applications. IEEE Transactions on Signal Processing, 2016, 64, 3156-3166.	5.3	3
178	Improved design of digital 1-D and 2-D notch filters using general feedback structure. , 2016, , .		3
179	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.	5.6	3
180	Two novel methods for complex allpass filters design using Remez exchange algorithm. , 0, , .		2

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181	Fractionally spaced blind equalization using polyperiodic linear filtering. IEEE Transactions on Communications, 1998, 46, 16-19.	7.8	2
182	Sub-pixel color edge detection by using binary quaternion-moment-preserving thresholding technique. , 0, , .		2
183	Color image segmentation using local histogram and self-organization of Kohonen feature map. , 0, , .		2
184	Adaptive morphology shortest path planning based on rotating object and critical transition point. , 0, , .		2
185	Fractional Fourier Transforms and Wigner Distribution Functions for Stationary and Non-Stationary Random Process. , 0, , .		2
186	2.5-Domain Tri-Watermarking Algorithm for DCT-Based Video Protection. , 2007, , .		2
187	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.	8.3	2
188	Secure image hashing via minimum distortion estimation. , 2009, , .		2
189	Efficient discrete fractional Hirschman optimal transform and its application. , 2011, , .		2
190	High-dynamic-range parallel multi-scale retinex enhancement with spatially-adaptive prior. , 2014, , .		2
191	Simple effective image and video color correction using quaternion distance metric. , 2015, , .		2
192	Visual enhancement using sparsity-based image decomposition for low backlight displays. , 2016, , .		2
193	Arbitrary Length Perfect Integer Sequences Using Geometric Series. , 2018, , .		2
194	Single image desmoking using haze image model and human visual system. Journal of Electronic Imaging, 2019, 28, 1.	0.9	2
195	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
196	IIR multiple notch filter design based on allpass filter. , 0, , .		1
197	Fractional time-frequency distributions. , 0, , .		1
198	Closed-form design of allpass fractional delay filters. , 2002, , .		1

#	ARTICLE	IF	CITATIONS
199	Simplified structures for two-dimensional adaptive notch filters. , 0, , .		1
200	A joint design of dictionary approximation and maximum atom extraction for fast matching pursuit. , 0, , .		1
201	Discrete Fractional Fourier Transform Based on New Nearly Tridiagonal Commuting Matrices. , 0, , .		1
202	Reducing Sampling Error by Prolate Spheroidal Wave Functions and Fractional Fourier Transform. , 0, , .		1
203	Constellation Expansion Free Quasi-Orthogonal Space-Time Block Codes on Square Lattice Constellations with Full Diversity and High Coding Gains. , 0, , .		1
204	Novel Data Hiding and Blind Decoding in Dithering Halftone Images. , 0, , .		1
205	Two Dimensional Nonuniform Perfect Reconstruction Filter Bank with Irrational Down-sampling Matrices. , 0, , .		1
206	The Multiple-Parameter Discrete Fractional Fourier Transform and Its Application. , 0, , .		1
207	Video Compression Based on Orthonormal Matching Pursuits. , 0, , .		1
208	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
209	Automatic video diagnosing method using embedded crypto-watermarks. , 2008, , .		1
210	Color quantization by 3D spherical Fibonacci lattices. , 2009, , .		1
211	A novel music similarity measure system based on instrumentation analysis. , 2009, , .		1
212	Secure and robust sift with resistance to chosen-plaintext attack. , 2010, , .		1
213	Two-dimensional partially differential cepstrum and minimum-phase sequence construction. , 2010, , .		1
214	Design of complex coefficient variable fractional-delay allpass digital filters by eigenfilter approach. , 2010, , .		1
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