The Nonsubsampled Contourlet Transform: Theory, De

IEEE Transactions on Image Processing
15, 3089-3101
DOI: 10.1109/tip.2006.877507

Citation Report

#	Article	IF	Citations
1	Nonsubsampled contourlet transform: construction and application in enhancement. , 2005, , .		73
2	Improved denoising of images using modelling of a redundant contourlet transform. , 2005, , .		17
3	Shift-Invariant Contourlet Transform and Its Application to Stereo Matching. , 0, , .		2
4	Multidimensional Nonsubsampled Hourglass Filter Banks: Geometry of Passband Support and Filter Design. , 2006, , .		3
5	Optimally Sparse Image Representations using Shearlets. , 2006, , .		35
6	Contourlet-based image denoising algorithm using directional windows. Electronics Letters, 2007, 43, 92.	0.5	30
7	QuickBird Image Fusion by a Multirresolution-Multidirectional Joint Image Representation. IEEE Latin America Transactions, 2007, 5, 32-37.	1.2	4
8	Bayesian Image Restoration Based On Variatonal Inference and a Product of Student-t Priors. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	1
9	Full Search of Side-Information in Distributed Video Coding. , 2007, , .		8
10	Adaptive Selectivity Representation: Construction and Application in Enhancement. , 2007, , .		0
11	Research on Image Fusion Based on the Nonsubsampled Contourlet Transform. , 2007, , .		11
12	Image Denoising Using Hybrid Contourlet and Bandelet Transforms. , 2007, , .		18
13	An improved image denoising technique using cycle spinning. , 2007, , .		3
14	Unsupervised texture segmentation based on nonsubsampled contourlet and a novel artificial immune network. Proceedings of SPIE, 2007, , .	0.8	0
15	Infrared image pre-processing based on nonsubsampled contourlet transform. Proceedings of SPIE, 2007, , .	0.8	0
16	Palmprint classification using contourlets. , 2007, , .		9
17	An M-channel directional filter bank compatible with the contourlet and shearlet frequency tiling. Proceedings of SPIE, 2007, , .	0.8	3
18	Efficient structures for image decomposition using directional filter banks. , 2007, , .		2

#	Article	IF	Citations
19	Study on Properties of Directional Filter Banks in the Dual Tree Scheme. , 2007, , .		3
20	An automatic image registration scheme based on the nonsubsampled contourlet transform. , 2007, , .		4
21	Digital Watermarking based on Non-Sampled Contourlet Transform. , 2007, , .		8
22	A Simple Method to Build Oversampled Filter Banks and Tight Frames. IEEE Transactions on Image Processing, 2007, 16, 2682-2687.	6.0	8
23	Low-complexity implementation of non-subsampled directional filter banks using polyphase representations and generalized separable processing. , 2007, , .		5
24	The nonsubsampled contourlet transform for image fusion. , 2007, , .		18
25	Image fusion using a NSDFB-based contourlet packet. , 2007, , .		0
26	Image fusion algorithm based on neighbors and cousins information in nonsubsampled contourlet transform domain. , 2007, , .		18
27	Life Beyond Bases: The Advent of Frames (Part II). IEEE Signal Processing Magazine, 2007, 24, 115-125.	4.6	121
28	A New Family of Nonredundant Transforms Using Hybrid Wavelets and Directional Filter Banks. IEEE Transactions on Image Processing, 2007, 16, 1152-1167.	6.0	81
29	Feature extraction for man-made objects segmentation in aerial images. Machine Vision and Applications, 2008, 19, 57-64.	1.7	9
30	Construction of 2-D directional filter bank by cascading checkerboard-shaped filter pair and CMFB. Signal Processing, 2008, 88, 2500-2510.	2.1	2
31	Image Fusion Algorithm Based on Spatial Frequency-Motivated Pulse Coupled Neural Networks in Nonsubsampled Contourlet Transform Domain. Zidonghua Xuebao/Acta Automatica Sinica, 2008, 34, 1508-1514.	1.5	285
32	An Efficient Pan-Sharpening Method via a Combined Adaptive PCA Approach and Contourlets. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 1323-1335.	2.7	501
33	Artificial immune kernel clustering network for unsupervised image segmentation. Progress in Natural Science: Materials International, 2008, 18, 455-461.	1.8	21
34	Context adaptive image denoising through modeling of curvelet domain statistics. Journal of Electronic Imaging, 2008, 17, 033021.	0.5	30
35	Fusion Algorithm for Remote Sensing Images Based on Nonsubsampled Contourlet Transform. Zidonghua Xuebao/Acta Automatica Sinica, 2008, 34, 274-281.	1.5	74
36	A Mapping-Based Design for Nonsubsampled Hourglass Filter Banks in Arbitrary Dimensions. IEEE Transactions on Signal Processing, 2008, 56, 1466-1478.	3.2	3

#	Article	IF	Citations
37	A Robust Video Watermarking Algorithm Resistant to Geometry Transformation Attacks Based on Background. , 2008, , .		0
38	Synthetic aperture radar image despeckling via spatially adaptive shrinkage in the nonsubsampled contourlet transform domain. Journal of Electronic Imaging, 2008, 17, 013013.	0.5	12
39	Variational Bayesian Image Restoration Based on a Product of t-Distributions Image Prior. IEEE Transactions on Image Processing, 2008, 17, 1795-1805.	6.0	81
40	A new multiresolution generalized directional filter bank design and application in image enhancement. , 2008, , .		7
41	Combined Wavelet and Contourlet Denoising of SAR Images. , 2008, , .		12
42	The Shiftable Complex Directional Pyramidâ€"Part I: Theoretical Aspects. IEEE Transactions on Signal Processing, 2008, 56, 4651-4660.	3.2	54
43	An Adaptive Watermarking Scheme Based on Nonsubsampled Contourlet Transform for Color Image Authentication. , 2008, , .		2
44	Contourlet based image watermarking using optimum detector in the noisy environment. , 2008, , .		6
45	A Comparison of the Bandelet, Wavelet and Contourlet Transforms for Image Denoising. , 2008, , .		10
46	Nonsubsampled Pyramid Contourlet Transform and Its Application. , 2008, , .		3
47	Restoration of images corrupted by multiplicative noise in the nonsubsampled contourlet domain. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
48	Contourlet Based Interest Points Detector. , 2008, , .		7
49	Design and Application of All Phase Pyramidal Directional Filter Bank. , 2008, , .		0
50	Adaptive Fingerprint Image Enhancement with Contourlet Transform. , 2008, , .		2
51	Fusion of Multi-band SAR Images Based on Nonsubsampled Contourlet and PCNN. , 2008, , .		1
52	Infrared Image Denoising Algorithm Based on Adaptive Threshold NSCT. , 2008, , .		4
53	SAR Image Despeckling in the Undecimated Contourlet Domain: A Comparison of Lmmse and Map Approaches. , 2008, , .		2
54	The Sonar Image Denosing Method of Surfacelet Based on Sample Matrix. , 2008, , .		0

#	Article	IF	Citations
55	The Nonsubsampled Contourlet-Wavelet Hybrid Transform: Design and Application to Image Watermarking. , 2008, , .		1
56	Compressed sensing MRI based on nonsubsampled contourlet transform. , 2008, , .		13
57	Improving PWF Method of Despeckle in Polarimetric SAR Image by Fusion Based on Nonsubsampled Contourlet Transform. , 2008, , .		3
58	Pavement Distress Detection Based on Nonsubsampled Contourlet Transform. , 2008, , .		10
59	Image Denoising with Nonsubsampled Wavelet-Based Contourlet Transform. , 2008, , .		4
60	Texture Classification using Combined Multiresolution Transformations and Support Vector Machines. , 2008, , .		0
61	Nonsubsampled Contourlet Transform for Texture Classifications using Support Vector Machines. , 2008, , .		3
62	The Shiftable Complex Directional Pyramidâ€"Part II: Implementation and Applications. IEEE Transactions on Signal Processing, 2008, 56, 4661-4672.	3.2	28
63	Robust Fingerprint Image Enhancement: An Improvement to Directional Analysis of Fingerprint Image Using Directional Gaussian Filtering and Non-subsampled Contourlet Transform. , 2008, , .		2
64	Implementational Aspects of the Contourlet Filter Bank and Application in Image Coding. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	3
65	Illumination Normalization for Robust Face Recognition Based on Nonsubsampled Contourlet Transform. , 2009, , .		1
66	Image segmentation based on NSCT and watershed. , 2009, , .		2
67	Residue-based fusion of denoised images by different filter banks. , 2009, , .		0
68	Texture image retrieval using adaptive directional wavelet transform. , 2009, , .		1
69	Shearlet-Based Deconvolution. IEEE Transactions on Image Processing, 2009, 18, 2673-2685.	6.0	64
70	Dim Small Target Detection Method Based on Nonsubsampled Contourlet Transform in Infrared Image. , 2009, , .		2
71	Medical Image Retrieval Based On Nonsubsampled Contourlet Transform and Fractal Dimension. , 2009, , .		2
72	Image Denoising Method Based on Nonsubsampled Contourlet Transform and Bandelet Transform. , 2009, , .		7

#	Article	IF	Citations
73	Texture Classification Using Nonsubsampled Contourlet Transform and LS-SVM. , 2009, , .		1
74	Regional Contrast Fuzzy Enhancement for Remote Sensing Image Based on the Generalized Fuzzy Set in Nonsubsampled Contourlet Domain. , 2009, , .		1
75	A novel nonsampled contourlet-domain image watermarking using support vector regression. Journal of Optics, 2009, 11, 125407.	1.5	2
76	Fusion of Multispectral Remote Sensing Image and High Resolution Spatial Panchromatic Image Based on NSCT and IHS. , 2009, , .		1
77	Non-subsampled Contourlet Transform Based Seismic Signal De-noising. , 2009, , .		1
78	Digital Images Clarity Quality Evaluation Using Non-subsampled Contourlet Transform. , 2009, , .		1
79	A Modified Feature Based Image Watermarking Scheme in NSCT Domain. , 2009, , .		2
80	A New Adaptive Image Denoising Method Combining the Nonsubsampled Contourlet Transform and Total Variation. , 2009, , .		1
81	Image Enhancement Based on Nonsubsampled Contourlet Transform. , 2009, , .		3
82	Vertebral segmentation using contourlet-based salient point matching and localized multiscale shape prior. , 2009, , .		2
83	Semisubsampled wavelet transform based image watermarking. , 2009, , .		0
84	IMAGE FUSION ALGORITHM BASED ON NONSUBSAMPLED CONTOURLET TRANSFORM AND ESTIMATION THEORY. International Journal of Information Acquisition, 2009, 06, 109-116.	0.2	0
85	Remote Sensing Image Fusion Based on Nonsubsampled Contourlet Transform and PCA. , 2009, , .		5
86	NonSubsampled Contourlet Transform Combined with Energy Entropy for Remote Sensing Image Fusion. , 2009, , .		3
87	Novel image fusion algorithm based on human perception. Optical Engineering, 2009, 48, 047002.	0.5	2
88	ADAPTIVE SELECTIVITY REPRESENTATION: DESIGN AND APPLICATIONS. International Journal of Wavelets, Multiresolution and Information Processing, 2009, 07, 89-113.	0.9	6
89	A New Method of Image Denoise Using Contourlet Transform. , 2009, , .		3
90	Directional filter for SAR images based on nonsubsampled contourlet transform and immune clonal selection. International Journal of Automation and Computing, 2009, 6, 245-253.	4.5	6

#	Article	IF	Citations
91	The Translation Invariant Contourlet-like Transform for Image Denoising. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 505-508.	1.5	4
92	Fusion of Infrared and Visible Light Images Based on Region Segmentation. Chinese Journal of Aeronautics, 2009, 22, 75-80.	2.8	27
93	Comparisons of wavelets, contourlets and curvelets in seismic denoising. Journal of Applied Geophysics, 2009, 69, 103-115.	0.9	99
94	Multifocus image fusion using the nonsubsampled contourlet transform. Signal Processing, 2009, 89, 1334-1346.	2.1	565
95	LMMSE and MAP estimators for reduction of multiplicative noise in the nonsubsampled contourlet domain. Signal Processing, 2009, 89, 1891-1901.	2.1	19
96	Robust feature points extraction for image registration based on the nonsubsampled contourlet transform. AEU - International Journal of Electronics and Communications, 2009, 63, 148-152.	1.7	16
97	A parallel fusion algorithm of remote sensing images. , 2009, , .		0
98	Skin detection using contourlet texture analysis. , 2009, , .		3
99	Nonsubsampled contourlet transform combined with genetic algorithms for registration of satellite imaging. , 2009, , .		1
100	SAR image despeckling using undecimated directional filter banks and mean shift. , 2009, , .		1
101	Texture Image Classification Using Non-subsampled Contourlet Transform and Support Vector Machines. , 2009, , .		0
102	Shearlet-Based Total Variation Diffusion for Denoising. IEEE Transactions on Image Processing, 2009, 18, 260-268.	6.0	188
103	Wavelet-Based SAR Image Despeckling and Information Extraction, Using Particle Filter. IEEE Transactions on Image Processing, 2009, 18, 2167-2184.	6.0	31
104	Design of Directional Filter Banks With Arbitrary Number of Subbands. IEEE Transactions on Signal Processing, 2009, 57, 4936-4941.	3.2	10
105	NSCTWavelet: An efficient method for multimodal biometric recognition based on pixel level fusion. , 2009, , .		3
106	The Nonsubsampled Contourlet Transform for Enhancement of Microcalcifications in Digital Mammograms. Lecture Notes in Computer Science, 2009, , 292-302.	1.0	5
107	Efficient design of a low redundant Discrete Shearlet Transform. , 2009, , .		19
108	Illumination and Posture Invariant Face Recognition Using Radon and Nonsubsampled Contourlet Transform. , 2009, , .		1

#	Article	IF	Citations
109	Road extraction in remote sensing images based on Nonsubsampled Contourlet Transform. , 2009, , .		2
110	Automatic Registration of Satellite Images. , 2009, , .		4
111	Pavement image enhancement based on scale evaluation using nonsubsampled contourlet coefficients. , 2009, , .		0
112	Nonsubsampled Contourlet Transform Based Image Fusion and Its Analysis. , 2009, , .		0
113	Skin Detection Using Contourlet-Based Texture Analysis. , 2009, , .		16
114	Unsupervised image segmentation based on Nonsubsampled Contourlet hidden Markov trees model. , 2009, , .		3
115	SAR and Infrared Image Fusion Using Nonsubsampled Contourlet Transform. , 2009, , .		6
116	A Novel Method for Ship Detection Based on NSCT and ACO. , 2009, , .		1
117	A comparative study on texture features used for segmentation of images rich in texture. , 2009, , .		0
118	A Multi-Stage Astronomical Images Registration Based on Nonsubsampled Contourlet Transform. , 2009, , .		3
119	Fusion of remotely sensed images based on subsampled contourlet transform and spectral response. , 2009, , .		1
120	Combined Contourlet and Non-subsampled Contourlet Transforms Based Approach for Personal Identification Using Palmprint. , 2009, , .		13
121	Adaptive Fusion Algorithm of Multisensor Image in Nonsubsampled Contourlet Domain. , 2009, , .		0
122	Multi-scale image segmentation algorithm based on SPCNN and contourlet. , 2009, , .		0
123	Joint distribution of nonsubsampled contourlet domain and its application to texture retrieval. , 2009, , .		0
124	Speckle reduction of TerraSAR-X imagery using TV segmentation. , 2009, , .		0
125	Non-subsampled contourlet transform based spatially adaptive shrinkage for speckle reduction of medical ultrasound image. , 2009, , .		0
126	A preprocessing method based on non-subsampled contourlet transform. , 2009, , .		0

#	Article	IF	Citations
127	Adaptive shrinkage despeckling for SAR image based on nonsubsampled contourlet transform. Proceedings of SPIE, 2009, , .	0.8	1
128	Cooperative Fusion of Stationary Wavelet Transform and Non-subsampled Contourlet for Multifocus Images. , 2009, , .		1
129	Fusion Segmentation Algorithm for SAR Images Based on the Persistence and Clustering in the Contourlet Domain. , 2009, , .		3
130	Bottle image de-noising using adaptive threshold based on nonsubsampled contourlet transform. , 2010, , .		3
131	The Discrete Shearlet Transform: A New Directional Transform and Compactly Supported Shearlet Frames. IEEE Transactions on Image Processing, 2010, 19, 1166-1180.	6.0	353
132	A wavelet-based image denoising using least squares support vector machine. Engineering Applications of Artificial Intelligence, 2010, 23, 862-871.	4.3	18
133	Image fusion based on a new contourlet packet. Information Fusion, 2010, 11, 78-84.	11.7	174
134	Extraction of illumination invariant facial features from a single image using nonsubsampled contourlet transform. Pattern Recognition, 2010, 43, 4177-4189.	5.1	67
135	Simple multiscale image enhancement for natural images. Optical Review, 2010, 17, 130-138.	1.2	4
136	A fusion algorithm for remote sensing images based on nonsub-sampled pyramids and bidimensional empirical decomposition. Science China Technological Sciences, 2010, 53, 196-204.	2.0	4
137	Image denoising employing local mixture models in sparse domains. IET Image Processing, 2010, 4, 413.	1.4	37
138	Multifocus Image Fusion and Restoration With Sparse Representation. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 884-892.	2.4	569
139	Dictionaries for Sparse Representation Modeling. Proceedings of the IEEE, 2010, 98, 1045-1057.	16.4	1,018
140	Despeckling of TerraSAR-X Data Using Second-Generation Wavelets. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 68-72.	1.4	35
141	Robust face recognition based on illumination invariant in nonsubsampled contourlet transform domain. Neurocomputing, 2010, 73, 2217-2224.	3.5	36
142	Automatic wavelet base selection and its application to contrast enhancement. Signal Processing, 2010, 90, 1279-1289.	2.1	31
143	Invariant pattern recognition using contourlets and AdaBoost. Pattern Recognition, 2010, 43, 579-583.	5.1	26
144	A New Wavelet-based image denoising using undecimated discrete wavelet transform and least squares support vector machine. Expert Systems With Applications, 2010, 37, 7040-7049.	4.4	65

#	Article	IF	Citations
145	Rotation invariant watermark embedding based on scale-adapted characteristic regions. Information Sciences, 2010, 180, 2875-2888.	4.0	41
146	Recent Advances in Synthetic Aperture Radar Enhancement and Information Extraction. , 0, , .		0
147	Image Denoising Algorithm Based on Dyadic Contourlet Transform. Applied Mechanics and Materials, 2010, 40-41, 591-597.	0.2	1
148	Image Fusion Based on NSCT and Fuzzy Logic. , 2010, , .		3
149	Fractional Fourier-Contourlet Deblurring of Space Variant Degradation Coupled with Noise. , 2010, , .		0
150	Performance analysis of multiresolution image denoising schemes. , 2010, , .		1
151	A new approach for intermediate view synthesis based on NSCT and fusion. , 2010, , .		0
152	A robust watermarking scheme based on Non-Subsampled Contourlet Transform. , 2010, , .		4
153	Image retrieval using Contourlet based interest points. , 2010, , .		9
154	Infrared and visible image fusion based on NSCT and fuzzy logic. , 2010, , .		23
155	A New Space Image Segmentation Method Based on the Non-Subsampled Contourlet Transform. , 2010, , .		0
156	Palmprint Nonlinear Discriminant Feature Extraction and Recognition Based on Non-Subsampled Contourlet Transform. , 2010, , .		0
157	QuickBird remotely sensing image fusion between panchromatic image and multispectral image using nonsubsampled contourlet transform. , 2010, , .		0
158	A new image segmentation combining hidden Markov trees model with Bayesian approach. , 2010, , .		0
159	SAR Images Despeckling via Bayesian Shrinkage Based on Nonsubsampled Contourlet Transform. , 2010, , .		0
160	Bayesian super-resolution pansharpening using contourlets. , 2010, , .		6
161	Adaptive Robust Watermarking Scheme Based on the Features of the Coefficients in NSCT Domain. , 2010, , .		1
162	Contourlet-S and Generalized Gaussian Model Texture Image Retrieval System. , 2010, , .		2

#	Article	IF	Citations
163	Fusion of remote sensing images based on Principal Component Analysis and Nonsubsampled Contourlet Transform. , 2010, , .		0
164	Color fusion based on EM algorithm for IR and visible image. , 2010, , .		6
165	A new image fusion quality assessment method based on Contourlet and SSIM. , 2010, , .		3
166	A synergetic prototype vectors fusion reconstruction classification algorithm based on nonsubsampled contourlet transform. , 2010, , .		0
167	Nonsubsampled Pyramid Based Adaptive Anisotropic Diffusion Filtering for Infrared Image Denoising. , 2010, , .		2
168	Fusion of Multi-focus Images Based on the Nonsubsampled Contourlet Transform. , 2010, , .		0
169	Rotation-invariant Bivariate features for texture image retrieval. , 2010, , .		0
170	Fuzzy contrast enhancement for remote sensing image based on fuzzy set in nonsubsampled contourlet domain. , 2010, , .		5
171	A Rigid Image Registration Based on the Nonsubsampled Contourlet Transform and Genetic Algorithms. Sensors, 2010, 10, 8553-8571.	2.1	18
172	Pan-sharpening of QuickBird satellite images using multiresolution techniques: wavelets, contourlets, and curvelets. Imaging Science Journal, 2010, 58, 125-135.	0.2	3
173	Multiscale principal contour direction for varying lighting face recognition. Electronics Letters, 2010, 46, 680.	0.5	6
174	Image fusion algorithm based on nonsubsampled contourlet transform. , 2010, , .		1
175	A new multi-focus image fusion algorithm based on Nonsubsampled Contourlet Transform. , 2010, , .		1
176	Fusion of multispectral and panchromatic satellite images using Principal Component Analysis and Nonsubsampled Contourlet Transform. , 2010, , .		5
177	Texture description and recognition using combined feature sets. , 2010, , .		0
178	The research of wavelet reconstruction with incomplete signal. , 2010, , .		0
179	Locally adaptive bivariate shrinkage algorithm for image denoising based on Nonsubsampled Contourlet Transform. , 2010, , .		1
180	Uniform Discrete Curvelet Transform. IEEE Transactions on Signal Processing, 2010, 58, 3618-3634.	3.2	52

#	Article	IF	Citations
181	Optimization for the directional filter bank of the nonsubsampled contourlet transform. , 2010, , .		1
182	Remote sensing image interpolation via the nonsubsampled contourlet transform. , 2010, , .		5
183	Image inpainting based on nonsubsampled contourlet transform and total varation. , 2010, , .		1
184	Contourlet-1.3 texture image retrieval system. , 2010, , .		11
185	A new method of image fusion base on contourlet transform. , 2010, , .		0
186	Adaptive Directional Wavelet Transform Based on Directional Prefiltering. IEEE Transactions on Image Processing, 2010, 19, 934-945.	6.0	19
187	Texture Image Retrieval System Based on Non-Subsampled Contourlet and Generalized Gaussian Density Model. , 2010, , .		2
188	Contourlet-Based Image Watermarking Using Optimum Detector in a Noisy Environment. IEEE Transactions on Image Processing, 2010, 19, 967-980.	6.0	136
189	Pyramidal dual-tree directional filter bank based exposure fusion for two complementary images. , 2010, , .		4
190	Medical Image Enhancement Algorithm Based on Contourlet Transform. , 2010, , .		3
191	Fusion for CT image and MR image based on nonsubsampled transformation. , 2010, , .		0
192	Sparse Image Representation by Directionlets. Advances in Imaging and Electron Physics, 2010, 161, 147-209.	0.1	6
193	Information Optics and Photonics. , 2010, , .		4
194	Variational Bayesian Image Restoration With a Product of Spatially Weighted Total Variation Image Priors. IEEE Transactions on Image Processing, 2010, 19, 351-362.	6.0	156
195	High capacity watermark embedding based on local invariant features. , 2010, , .		1
196	Image denoising and contrast enhancement based on nonsubsampled contourlet transform. , 2010, , .		3
197	A color multi-focus image fusion algorithm with nonsubsampled Contourlet transform in space domain. , 2010, , .		1
198	A Novel Medical Image Feature Extraction Algorithm. , 2010, , .		2

#	Article	IF	Citations
199	Iterative thresholding compressed sensing MRI based on contourlet transform. Inverse Problems in Science and Engineering, 2010, 18, 737-758.	1.2	131
200	Object Extraction Using Novel Region Merging and Multidimensional Features. , 2010, , .		4
201	The application of Laplacian pyramid in image super-resolution reconstruction. , 2010, , .		2
202	Multi-Spectral and Panchromatic Image Fusion Based on Region Correlation Coefficient in Nonsubsampled Contourlet Transform Domain. , 2010, , .		0
203	Hybrid Multiresolution Method for Multisensor Multimodal Image Fusion. IEEE Sensors Journal, 2010, 10, 1519-1526.	2.4	133
204	Contourlet Retrieval System Using Absolute Mean and Kurtosis Features. , 2010, , .		0
205	Mixed image denoising method of non-local means and adaptive bayesian threshold estimation in NSCT domain. , 2010, , .		4
206	An adaptive sparse representation for remote sensing image based on combination of wavelet and adaptive directional filter. , 2010, , .		5
207	Improved Texture Retrieval Based on Nonsubsampled Contourlet. , 2010, , .		0
208	A Non-Local Means Filter with Translating Invariant Shearlet Feature Descriptors. , 2010, , .		1
209	Image Fusion Algorithm Based on Pulse Coupled Neural Networks and Nonsubsampled Contourlet Transform. , 2010, , .		4
210	Variational Bayesian inference image restoration using a product of total variation-like image priors. , 2010, , .		2
211	MR image monomodal registration based on the nonsubsampled contourlet transform and mutual information. , 2010, , .		4
212	Interest points matching system based On Non-Subsampled Contourlet Transform. , 2010, , .		2
213	Multiscale directional AM-FM demodulation of images using a 2D optimized method. , 2011, , .		0
214	Contourlet appearance model for facial age estimation. , 2011, , .		45
215	A hybrid method for contrast enhancement. , 2011, , .		1
216	Improvement on Image Decomposition Based on Morphological Component Analysis. , 2011, , .		0

#	Article	IF	Citations
217	A Contour-Based Approach to Image Compression. , 2011, , .		0
218	An IHS Fusion Method Integrated by the Nonsubsampled Contourlet Transform to Fuse the Airborne X-Band InSAR and P-Band Full PolSAR Images. , 2011, , .		1
219	Example-Driven Manifold Priors for Image Deconvolution. IEEE Transactions on Image Processing, 2011, 20, 3086-3096.	6.0	20
220	Preliminary classification of palmprint-A novel approach. , 2011, , .		1
221	Parameter estimation in Bayesian super-resolution pansharpening using contourlets. , 2011, , .		1
222	Texture image retrieval algorithm with dual tree complex contourlet and three statistical features. , 2011, , .		2
223	Multitemporal Images Change Detection Using Nonsubsampled Contourlet Transform and Kernel Fuzzy C-Means Clustering. , 2011, , .		5
224	Ripplet based multimodality Medical Image Fusion using Pulse-Coupled Neural Network and Modified Spatial Frequency. , 2011, , .		12
225	Image Edge Detection Using Nonsubsampled Contourlet Transform. Advanced Materials Research, 0, 181-182, 261-266.	0.3	0
226	Image Fusion Based on Nonsubsampled Contourlet Transform and Pulse Coupled Neural Networks. , 2011, , .		3
227	A New Technique for Multispectral and Panchromatic Image Fusion. Procedia Engineering, 2011, 24, 182-186.	1.2	3
228	Multi-temporal Satellite Images Change Detection Algorithm Based on NSCT. Procedia Engineering, 2011, 24, 252-256.	1.2	6
229	NSCT Remote Sensing Image Denoising Based on Threshold of Free Distributed FDR. Procedia Engineering, 2011, 24, 616-620.	1.2	4
230	Panchromatic and Multispectral Image Fusion Based on Maximization of Both Spectral and Spatial Similarities. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 1976-1985.	2.7	90
232	Poisson noise removal from images using the fast discrete Curvelet transform. , 2011, , .		3
233	Compression of iris images using DTCNN based Wavelet decomposition and Directional Filter Bank analysis. , 2011, , .		1
234	Kernel spectral regression of perceived age from hybrid facial features. , 2011, , .		7
235	A New NSCT Based Contrast Enhancement Algorithm for Amplification of Early Signs of Ischemic Stroke in Brain CT Images. , 2011, , .		1

#	Article	IF	Citations
236	Cell imaging beyond the diffraction limit using sparse deconvolution spatial light interference microscopy. Biomedical Optics Express, 2011, 2, 1815.	1.5	22
237	Fusion technique for grey-scale visible light and infrared images based on non-subsampled contourlet transform and intensityâ€"hueâ€"saturation transform. IET Signal Processing, 2011, 5, 75.	0.9	35
238	A normalization-based robust digital watermarking scheme using nonsubsampled contourlet transform. , 2011, , .		0
239	Contour Code: Robust and efficient multispectral palmprint encoding for human recognition. , 2011, , .		53
240	A novel approach of infrared small weak target detection based on an improved nonsubsampled contourlet transform. , 2011, , .		2
241	Dual Tree Complex Contourlet Texture Image Retrieval. Advances in Intelligent and Soft Computing, 2011, , 55-61.	0.2	0
242	Shift and gray scale invariant features for palmprint identification using complex directional wavelet and local binary pattern. Neurocomputing, 2011, 74, 3351-3360.	3.5	41
243	Multiresolution and directional filtering techniques for detecting dust storm direction in satellite imagery. Proceedings of SPIE, 2011, , .	0.8	2
244	Discrete shearlet transform: faithful digitization concept and its applications. , 2011, , .		1
245	Multidimensional Filter Banks and Multiscale Geometric Representations. Foundations and Trends in Signal Processing, 2011, 5, 157-164.	12.0	15
246	High Capacity Watermark Embedding Based on Invariant Regions of Visual Saliency. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 889-893.	0.2	7
247	Multifocus image fusion scheme using focused region detection and multiresolution. Optics Communications, 2011, 284, 4376-4389.	1.0	75
248	A panorama on multiscale geometric representations, intertwining spatial, directional and frequency selectivity. Signal Processing, 2011, 91, 2699-2730.	2.1	75
249	Improved bi-dimensional empirical mode decomposition based on 2D-assisted signals: analysis and application. IET Image Processing, 2011, 5, 205.	1.4	30
250	Relevance feedback approach for image retrieval combining support vector machines and adapted Gaussian mixture models. IET Image Processing, 2011, 5, 531.	1.4	10
251	Image fusion technique based on non-subsampled contourlet transform and adaptive unit-fast-linking pulse-coupled neural network. IET Image Processing, 2011, 5, 113.	1.4	44
252	Nonuniform Directional Filter Banks With Arbitrary Frequency Partitioning. IEEE Transactions on Image Processing, 2011, 20, 283-288.	6.0	17
253	Image denoising using bilateral filter and Gaussian scale mixtures in shiftable complex directional pyramid domain. Computers and Electrical Engineering, 2011, 37, 656-668.	3.0	23

#	Article	IF	Citations
254	Geometrically invariant image watermarking using SVR correction in NSCT domain. Computers and Electrical Engineering, 2011, 37, 695-713.	3.0	9
255	An evident sidelobe control method based on NSCT for ship target in SAR images. Journal of Electronics, 2011, 28, 419-426.	0.2	0
256	Image Denoising Using Gaussian Scale Mixtures withÂGaussianâ€"Hermite PDF in Steerable Pyramid Domain. Journal of Mathematical Imaging and Vision, 2011, 39, 245-258.	0.8	4
257	A new pan-sharpening method using multiobjective particle swarm optimization and the shiftable contourlet transform. ISPRS Journal of Photogrammetry and Remote Sensing, 2011, 66, 365-381.	4.9	41
258	Fusion of remote sensing images based on nonsubsampled contourlet transform and region segmentation. Journal of Shanghai Jiaotong University (Science), 2011, 16, 722-727.	0.5	4
259	A multi-scale and multi-orientation image retrieval method based on rotation-invariant texture features. Science China Information Sciences, 2011, 54, 732-744.	2.7	6
260	Statistical modeling for the detection, localization and extraction of text from heterogeneous textual images using combined feature scheme. Signal, Image and Video Processing, 2011, 5, 165-183.	1.7	9
261	A survey of classical methods and new trends in pansharpening of multispectral images. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	193
262	Performance comparison of different multi-resolution transforms for image fusion. Information Fusion, 2011, 12, 74-84.	11.7	499
263	Biological image fusion using a NSCT based variable-weight method. Information Fusion, 2011, 12, 85-92.	11.7	127
264	A novel color image watermarking scheme in nonsampled contourlet-domain. Expert Systems With Applications, 2011, 38, 2081-2098.	4.4	63
265	Similarity-based multimodality image fusion with shiftable complex directional pyramid. Pattern Recognition Letters, 2011, 32, 1544-1553.	2.6	34
266	Image denoising with anisotropic bivariate shrinkage. Signal Processing, 2011, 91, 2078-2090.	2.1	33
267	A multifocus image fusion in nonsubsampled contourlet domain with variational fusion strategy. Proceedings of SPIE, 2011, , .	0.8	3
268	Nonlocal Patch Functional Minimization for Image Denoising Using Nonsubsampled Contourlet. , 2011, , .		0
269	Simultaneous cartoon and texture reconstruction for image restoration by bivariate function. Applicable Analysis, 2011, 90, 1275-1289.	0.6	2
270	Design Image Retrieval Based on Nonsubsampled Contourlet Transform and Neural Networks. , 2011, , .		0
271	Multi-sensor image fusion by NSCT-PCNN transform. , 2011, , .		1

#	Article	IF	Citations
272	A new filter bank algorithm for enhancement of early signs of ischemic stroke in brain CT images. , 2011, , .		2
273	Remote sensing image fusion using Gramian as a rule of fusion. International Journal of Electronics, 2011, 98, 279-287.	0.9	5
274	Image enhancement based on adaptive and fuzzy complex contourlet transform. , 2011, , .		3
275	NSCT based road extraction from remote sensing image using directional prior. , 2011, , .		0
276	Improved fusion method for infrared and visible remote sensing imagery using NSCT. , 2011, , .		5
277	Material Texture Retrieval Using Contourlet-2.3 and Three Statistical Features. Advanced Materials Research, 2011, 233-235, 2495-2498.	0.3	1
278	Contourlet-1.3 Texture Retrieval Using Absolute Mean Energy and Kurtosis Features. Applied Mechanics and Materials, 0, 48-49, 327-330.	0.2	0
279	Wavelet-Contourlet Retrieval Using Energy and Kurtosis Features. Advanced Materials Research, 2011, 201-203, 2330-2333.	0.3	0
280	Fusion of complementary catadioptric panoramic images based on nonsubsampled contourlet transform. Optical Engineering, 2011, 50, 127002.	0.5	8
281	Infrared and visible image fusion using NSCT and GGD. , 2011, , .		0
282	Image fusion scheme by combining local image structures and directive contrasts. Optical Engineering, 2011, 50, 077005.	0.5	3
283	NSCT De-Noising Algorithm Based on Image Partition and Noise Variance Estimation. Applied Mechanics and Materials, 2011, 58-60, 1842-1846.	0.2	0
284	Multi-Frame Image Fusion Method Combining Spatial-Temporal Saliency Detection and NSCT. Advanced Materials Research, 0, 403-408, 1927-1932.	0.3	0
285	Infrared and Visible Remote Sensing Imagery Fusion Based on Fuzzy Logic and NSCT. Applied Mechanics and Materials, 0, 148-149, 158-162.	0.2	0
286	Nonsubsampled contourlet transform-based algorithm for no-reference image quality assessment. Optical Engineering, 2011, 50, 067010.	0.5	2
287	Non-subsampled contourlet texture image retrieval system utilizing three features. , 2011, , .		1
288	Complex contourlet texture retrieval system using new combinational features. , 2011, , .		0
289	Non-subsampled contourlets and gray level co-occurrence matrix based images segmentation. , 2011, , .		0

#	Article	IF	Citations
290	A spot segmentation method of low contrast and strong noise based on NSCT and 2D histogram. , 2011, , .		1
291	An adaptive infrared image enhancement algorithm based on NSCT. , 2011, , .		1
292	NSCT-based image denoising using 3-D directional windows. , 2011, , .		0
293	Image super-resolution based on hybrid multiresolution analysis. , 2011, , .		0
294	A New Non-Aliasing Nonsubsampled Contourlet Transform. Key Engineering Materials, 0, 480-481, 893-898.	0.4	0
295	Automatic image enhancement using intrinsic geometrical information. Electronics Letters, 2012, 48, 917.	0.5	4
296	A Separation Method of 3D Engineering Surface with Correlation Analysis of NSCT Sub-Bands. Applied Mechanics and Materials, 0, 248, 443-449.	0.2	0
297	Contourlet-S Texture Image Retrieval System. Advanced Materials Research, 0, 433-440, 3408-3412.	0.3	0
298	Comparison of Two Texture Retrieval Algorithms. Applied Mechanics and Materials, 2012, 182-183, 1962-1966.	0.2	1
299	A Local Feature Based Fusion Algorithm for Fire Detection Image. Advanced Materials Research, 2012, 588-589, 1081-1085.	0.3	1
300	A Novel Statistical Fusion Rule for Image Fusion in Non Subsampled Contourlet Transform Domain. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 367-376.	0.2	2
301	Study on Crack Detection System of PC Beam Surface. Applied Mechanics and Materials, 2012, 217-219, 2336-2340.	0.2	0
302	Contourlet-1.3 Texture Retrieval Algorithm by Sub-Bands Energy and Consistency. Applied Mechanics and Materials, 2012, 220-223, 2684-2687.	0.2	0
303	Improved Image Fusion Method Based on NSCT and Accelerated NMF. Sensors, 2012, 12, 5872-5887.	2.1	26
304	Semi-Subsampled Contourlet Retrieval Algorithm Using Three Statistical Features. Advanced Materials Research, 0, 433-440, 3117-3123.	0.3	0
305	Image Edge Detection Based on Multi-Structure Elements and Nonsubsambled Contourlet Transform. Advanced Materials Research, 0, 591-593, 1822-1826.	0.3	0
306	Spatial Images Feature Extraction Based on Bayesian Nonlocal Means Filter and Improved Contourlet Transform. Journal of Applied Mathematics, 2012, 2012, 1-16.	0.4	5
307	Optimal image-fusion method based on nonsubsampled contourlet transform. Optical Engineering, 2012, 51, 107006.	0.5	6

#	Article	IF	Citations
308	Non-Subsampled Contourlet Texture Retrieval Using Four Estimators. Applied Mechanics and Materials, 0, 263-266, 167-170.	0.2	1
309	An algorithm of remote sensing image fusion based on nonsubsampled contourlet transform. , 2012, , .		0
310	Multi-sensor image fusion based on moment calculation. , 2012, , .		3
311	Hyperbolic shearlets. , 2012, , .		1
312	Image fusion based on nonsubsampled contourlet transform. , 2012, , .		3
313	Multi-focus image fusion based on the non-subsampled contourlet transform. Journal of Modern Optics, 2012, 59, 1355-1362.	0.6	7
314	Hyperspectral classification using selected contourlet subbands. , 2012, , .		0
315	Face recognition based on nonsubsampled contourlet transform and block-based kernel Fisher linear discriminant. , 2012, , .		8
316	Spectral matching algorithm based on nonsubsampled contourlet transform and scale-invariant feature transform. Journal of Systems Engineering and Electronics, 2012, 23, 453-459.	1.1	4
317	Image denoising with union of directional orthonormal DWTS. , 2012, , .		8
318	Effective classification of radiographic medical images using LS-SVM and NSCT based retrieval system. , 2012, , .		4
319	Comparison of curvelet and contourlet transforms for retinal analysis. , 2012, , .		3
320	A Watermarking Scheme Based on NSCT Using Computer-Generated Hologram. Applied Mechanics and Materials, 2012, 263-266, 3100-3103.	0.2	0
321	Variance Distribution and Energy Featured Non-Subsampled Contourlet Texture Retrieval. Advanced Materials Research, 0, 472-475, 893-896.	0.3	0
322	Contourlet-S Retrieval Algorithm Using Absolute Mean Energy and Kurtosis Features. Applied Mechanics and Materials, 2012, 197, 473-476.	0.2	1
323	An Approach to Lumbar Vertebra CT Image Segmentation Using Contourlet Transform and ANNs. Advanced Materials Research, 2012, 468-471, 613-618.	0.3	1
324	Active contour for noisy image segmentation based on contourlet transform. Journal of Electronic Imaging, 2012, 21, 013009.	0.5	5
325	Material Texture Contourlet Retrieval by Energy and Variance Distribution Features. Advanced Materials Research, 2012, 562-564, 208-211.	0.3	0

#	Article	IF	Citations
326	Adaptive denoising algorithm of aero-optical degraded image based on edge orientation. , 2012, , .		0
327	Pan-sharpening method via ARSIS concept under image super-resolution scheme. Journal of Electronic Imaging, 2012, 21, 030501-1.	0.5	0
328	Multistage Segmentation of Lamellae Colonies Based on Directional Filter Bank and PCA Analysis. Image Processing & Communications, 2012, 17, 93-102.	0.3	0
329	Image denoising based on the symmetric normal inverse Gaussian model and non-subsampled contourlet transform. IET Image Processing, 2012, 6, 1136-1147.	1.4	28
330	The crack edge enhancement of straddle-type monorail track beam surface based on non-subsampled contourlet transform. International Journal of Computer Applications in Technology, 2012, 43, 36.	0.3	0
331	Palmprint feature extraction approach using nonsubsampled contourlet transform and orthogonal moments. , 2012, , .		2
332	SAR Image Despeckling Based on Nonsubsampled Shearlet Transform. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2012, 5, 809-823.	2.3	97
333	Multitemporal Image Change Detection Using a Detail-Enhancing Approach With Nonsubsampled Contourlet Transform. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 836-840.	1.4	30
334	Feature Extraction. Advances in Computer Vision and Pattern Recognition, 2012, , 123-217.	0.9	0
335	A novel method for vessel detection using Contourlet Transform. , 2012, , .		4
336	Multifocus image fusion based on nonsubsampled contourlet transform. , 2012, , .		2
337	Bionic vision-based synthetic aperture radar image edge detection method in non-subsampled contourlet transform domain. IET Radar, Sonar and Navigation, 2012, 6, 526-535.	0.9	11
338	Image denoising by random walk with restart Kernel and non-subsampled contourlet transform. IET Signal Processing, 2012, 6, 148.	0.9	6
339	Enhancement of blood vessels in retinal imaging using the nonsubsampled contourlet transform. Multidimensional Systems and Signal Processing, 2012, 23, 423-436.	1.7	5
340	Nonsubsampled Contourlet Transform Based Classification of Microcalcification in Digital Mammograms. Procedia Engineering, 2012, 38, 622-631.	1.2	7
341	Multi-focus image fusion algorithm based on NSCT. , 2012, , .		1
342	Image Denoising Method with Adaptive Bayes Threshold in Nonsubsampled Contourlet Domain. AASRI Procedia, 2012, 1, 512-518.	0.6	13
343	High-resolution image via Multiselective Contourlets. , 2012, , .		0

#	Article	IF	Citations
344	Underwater image de-noising algorithm based on Nonsubsampled Contourlet Transform and Total Variation. , 2012, , .		11
345	Spatially adaptive threshold for image denoisng based on nonsubsampled contourlet transform. , 2012, , .		0
346	Face recognition based on texture features using hybrid projection function. , 2012, , .		2
347	Non-subsampled contourlets based Synthetic Aperture Radar images segmentation. , 2012, , .		0
348	C14. Estimation of the optimal set of parameters for PAN-sharpening of satellite images based on the Non-Sub-sampled Contourlet Transform. , 2012, , .		0
349	Design and Application of a New Multiscale Multidirectional Non-subsampled Filter Bank. , 2012, , .		2
350	Image Fusion Based on NSCT and Bandelet Transform. , 2012, , .		2
351	Multi-temporal SAR images change detection based on nonsubsampled contourlet transform. , 2012, , .		2
352	Blood vessel segmentation in retinal images based on the nonsubsampled contourlet transform. , 2012, , .		1
353	Nonsubsampled Contourlet Transform based expectation maximization method for segmentation of images. , 2012, , .		1
354	A fusion method of multi-spectral image and panchromatic image based on NSCT and IHS transform. , 2012, , .		3
355	Texture classification using reduced set of nonsubsampled contourlet transform features. , 2012, , .		1
356	Fusion algorithm of infrared and visible images based on local energy using NSCT. , 2012, , .		1
357	A new automatic segmentation method for lung tumor based on SUV threshold on ¹⁸F-FDG PET images. , 2012, , .		4
358	Multi-focus image fusion based on nonsubsampled contourlet transform and multi-objective optimization. , 2012, , .		0
359	SAR and panchromatic image fusion based on region features in nonsubsampled contourlet transform domain. , 2012, , .		5
360	Detecting for the aerial small target in infrared image based on the correlation coefficients of nonsubsampled contourlet transform. , 2012, , .		2
361	Affine invariant image watermarking using intensity probability density-based Harris Laplace detector. Journal of Visual Communication and Image Representation, 2012, 23, 892-907.	1.7	19

#	Article	IF	Citations
362	Illumination Invariant Face Recognition Based on Nonsubsampled Contourlet Transform and NeighShrink Denoise. Communications in Computer and Information Science, 2012, , 358-366.	0.4	1
363	A method of multispectral finger-vein image fusion. , 2012, , .		4
364	A high capacity and strong robust fingerprinting for compressed images. Computers and Electrical Engineering, 2012, 38, 1249-1261.	3.0	1
365	Image Fusion Algorithm Based on Simplified PCNN in Nonsubsampled Contourlet Transform Domain. Procedia Engineering, 2012, 29, 1434-1438.	1.2	20
366	An efficient PAN sharpening technique by merging two hybrid approaches. Procedia Engineering, 2012, 30, 535-541.	1.2	11
367	NSCT-based multimodal medical image fusion using pulse-coupled neural network and modified spatial frequency. Medical and Biological Engineering and Computing, 2012, 50, 1105-1114.	1.6	142
368	A Flexible Directional Image Representation Using Pseudo Polar Fourier Transform Based DFBs. Lecture Notes in Computer Science, 2012, , 686-696.	1.0	0
369	A New Method to Segment X-Ray Microtomography Images of Lamellar Titanium Alloy Based on Directional Filter Banks and Gray Level Gradient. Lecture Notes in Computer Science, 2012, , 105-112.	1.0	1
370	Hyperspectral feature extraction using contourlet transform. , 2012, , .		3
371	Anomaly Detection Algorithm Based on Nonsubsampled Pyramid Decomposition and Kernel Unsharp Masking for Hyperspectral Image. , 2012, , .		1
372	Contrast-Enhanced Fusion of Multisensor Images Using Subband-Decomposed Multiscale Retinex. IEEE Transactions on Image Processing, 2012, 21, 3479-3490.	6.0	60
374	Multi-focus image fusion algorithm based on UDCT. , 2012, , .		0
375	Improved registration method for infrared and visible remote sensing image using NSCT and SIFT. , 2012, , .		6
376	Image fusion based on principal component analysis in dual-tree complex wavelet transform domain. , 2012, , .		1
377	A novel image fusion algorithm based on an improved compressed sensing. , 2012, , .		4
378	Research on Similarity Measurement for Texture Image Retrieval. PLoS ONE, 2012, 7, e45302.	1.1	9
379	Super-Resolution Restoration and Image Reconstruction for Passive Millimeter Wave Imaging. , 2012, , .		3
380	The Wavelet Transform for Image Processing Applications. , 0, , .		17

#	Article	IF	Citations
381	Watermark performance contrast between contourlet and non-subsampled contourlet transform. , 2012, , .		4
382	A new SVM-based image watermarking using Gaussianâ€"Hermite moments. Applied Soft Computing Journal, 2012, 12, 887-903.	4.1	33
383	Multiscaled combination of MR and SPECT images in neuroimaging: A simplex method based variable-weight fusion. Computer Methods and Programs in Biomedicine, 2012, 105, 31-39.	2.6	17
384	Multifocus image fusion based on features contrast of multiscale products in nonsubsampled contourlet transform domain. Optik, 2012, 123, 569-581.	1.4	71
385	Intensity image denoising for laser active imaging system using nonsubsampled contourlet transform and SURE approach. Optik, 2012, 123, 808-813.	1.4	12
386	Pixel-level image fusion with simultaneous orthogonal matching pursuit. Information Fusion, 2012, 13, 10-19.	11.7	321
387	The multiscale directional bilateral filter and its application to multisensor image fusion. Information Fusion, 2012, 13, 196-206.	11.7	129
388	Grey theory applied in non-subsampled Contourlet transform. IET Image Processing, 2012, 6, 264.	1.4	12
389	Self-embedding fragile watermarking with restoration capability based on adaptive bit allocation mechanism. Signal Processing, 2012, 92, 1137-1150.	2.1	104
390	An Multi-scale Edge Detection Approach. Physics Procedia, 2012, 25, 1616-1620.	1.2	3
391	Bayesian Texture Classification Based on Contourlet Transform and BYY Harmony Learning of Poisson Mixtures. IEEE Transactions on Image Processing, 2012, 21, 909-918.	6.0	28
392	Directional Lapped Orthogonal Transform: Theory and Design. IEEE Transactions on Image Processing, 2012, 21, 2434-2448.	6.0	32
393	Multifocus image fusion scheme based on feature contrast in the lifting stationary wavelet domain. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	13
394	Image fusion scheme based on nonsubsampled contourlet and block-based cosine transform. Journal of Shanghai Jiaotong University (Science), 2012, 17, 8-12.	0.5	3
395	Construction of Compactly Supported Shearlet Frames. Constructive Approximation, 2012, 35, 21-72.	1.8	107
396	Image inpainting with nonsubsampled contourlet transform. Pattern Recognition Letters, 2013, 34, 1508-1518.	2.6	7
397	A new fusion scheme for multifocus images based on focused pixels detection. Machine Vision and Applications, 2013, 24, 1167-1181.	1.7	22
398	Directive Contrast Based Multimodal Medical Image Fusion in NSCT Domain. IEEE Transactions on Multimedia, 2013, 15, 1014-1024.	5.2	361

#	Article	IF	Citations
399	Wavelet-based denoising: A brief review. , 2013, , .		22
400	A multi-focus image fusion algorithm based on an improved dual-channel PCNN in NSCT domain. Optik, 2013, 124, 4104-4109.	1.4	27
401	Improved image enhancement method for flotation froth image based on parameter extraction. Journal of Central South University, 2013, 20, 1602-1609.	1.2	7
402	Fusion framework for multiâ€focus images based on compressed sensing. IET Image Processing, 2013, 7, 290-299.	1.4	18
403	A Color Digital Watermarking in Nonsampled Contourlet Domain Using Generic Algorithm. , 2013, , .		2
404	Image denoising by non-subsampled shearlet domain multivariate model and its method noise thresholding. Optik, 2013, 124, 5756-5760.	1.4	13
405	Multiscale Image Fusion Using the Undecimated Wavelet Transform With Spectral Factorization and Nonorthogonal Filter Banks. IEEE Transactions on Image Processing, 2013, 22, 1005-1017.	6.0	83
406	Image denoising using SVM classification in nonsubsampled contourlet transform domain. Information Sciences, 2013, 246, 155-176.	4.0	53
407	An Adaptive Threshold Method Based on the Local Energy of NSCT Coefficients for Image Denoising. Advances in Intelligent Systems and Computing, 2013, , 279-285.	0.5	0
408	Infrared and visible image fusion based on region of interest detection and nonsubsampled contourlet transform. Journal of Shanghai Jiaotong University (Science), 2013, 18, 526-534.	0.5	11
409	Local thresholding with adaptive window shrinkage in the contourlet domain for image denoising. Science China Information Sciences, 2013, 56, 1-9.	2.7	14
410	Image restoration with dual-prior constraint models based on Split Bregman. Optical Review, 2013, 20, 491-495.	1.2	10
411	Mutual spectral residual approach for multifocus image fusion. , 2013, 23, 1121-1135.		45
412	The Color Fusion of Infrared and Visual Images Based on NSCT. , 2013, , .		1
413	An Improved Scheme for Watermarking QR-code Based on SVD in NSCT-CT. , 2013, , .		0
414	Deformed iris recognition using bandpass geometric features and lowpass ordinal features. , 2013, , .		7
415	A study on NSCT based super-resolution reconstruction for infrared image. , 2013, , .		4
416	Fusing Local Patterns of Gabor and Non-subsampled Contourlet Transform for Face Recognition. , 2013, , .		6

#	Article	IF	Citations
417	A fractional Fourier transform based method of image fusion. , 2013, , .		5
418	Multimodal image fusion in Visual Sensor Networks. , 2013, , .		6
419	Multiscale spectral-spatial classification for hyperspectral imagery. , 2013, , .		0
420	Image quality assessment based on nonsubsampled contourlet transform and structural similarity. , 2013, , .		0
421	Image De-Noising Algorithm Using Adaptive Bayes Threshold by Subband Based on Nonsubsampled Contourlet Transform. , 2013, , .		1
422	Pan-sharpening based on Non-subsampled Contourlet Transform detail extraction. , 2013, , .		3
423	Unsupervised change detection in multitemporal SAR images via NSCT-domain feature clustering. , 2013, , .		2
424	Multi-focus image fusion based on nonsubsampled contourlet transform and focused regions detection. Optik, 2013, 124, 40-51.	1.4	76
425	A multifocus image fusion method by using hidden Markov model. Optics Communications, 2013, 287, 63-72.	1.0	34
426	Sharpening enhancement of ultrasound images using contourlet transform. Optik, 2013, 124, 4789-4792.	1.4	14
427	Medical Image Fusion in Compressed Sensing Based on Non-subsampled Contourlet Transform. , 2013, , .		4
428	Technique for image fusion between gray-scale visual light and infrared images based on NSST and improved RF. Optik, 2013, 124, 6423-6431.	1.4	26
429	Tunable-Q contourlet-based multi-sensor image fusion. Signal Processing, 2013, 93, 1879-1891.	2.1	19
430	Contourlet based seismic reflection data non-local noise suppression. Journal of Applied Geophysics, 2013, 95, 16-22.	0.9	20
431	Image denoising using trivariate prior model in nonsubsampled dual-tree complex contourlet transform domain and non-local means filter in spatial domain. Optik, 2013, 124, 6896-6904.	1.4	23
432	Technique for image fusion based on NSST domain improved fast non-classical RF. Infrared Physics and Technology, 2013, 61, 27-36.	1.3	17
433	Image fusion based on nonsubsampled contourlet transform for infrared and visible light image. Infrared Physics and Technology, 2013, 61, 94-100.	1.3	99
434	Nonseparable Shearlet Transform. IEEE Transactions on Image Processing, 2013, 22, 2056-2065.	6.0	88

#	Article	IF	Citations
435	Combining Superresolution and Fusion Methods for Sharpening Misrsat-1 Data. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 2292-2301.	2.7	4
436	SAR image multiclass segmentation using a multiscale and multidirection triplet Markov fields model in nonsubsampled contourlet transform domain. Information Fusion, 2013, 14, 441-449.	11.7	18
437	Pectoral muscle segmentation in mammograms based on homogenous texture and intensity deviation. Pattern Recognition, 2013, 46, 681-691.	5.1	38
438	Speckle reduction in SAR images via Shearlet transform-based thresholding. , 2013, , .		3
439	Pansharpening via sparsity optimization using overcomplete transforms. , 2013, , .		2
440	Region-based multi-focus image fusion using the local spatial frequency. , 2013, , .		25
441	Image fusion method and robustness test based on multiscale decomposition and spiking cortical model. , 2013, , .		0
442	Multiâ€focus image fusion based on nonâ€subsampled shearlet transform. IET Image Processing, 2013, 7, 633-639.	1.4	133
443	Survey on pixel level image fusion techniques. , 2013, , .		10
444	Improved energy contrast image fusion based on nonsubsampled contourlet transform. , 2013, , .		2
445	A Neuro-Fuzzy Approach for Medical Image Fusion. IEEE Transactions on Biomedical Engineering, 2013, 60, 3347-3353.	2.5	134
446	Medical image fusion techniques for remote surgery. , 2013, , .		2
447	Gender Recognition Based On Combining Facial and Hair Features. , 2013, , .		5
448	Image Fusion Based on Nonsubsampled Contourlet Transform and Saliency-Motivated Pulse Coupled Neural Networks. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	22
449	Contourlet transform-based sharpening enhancement of retinal images and vessel extraction application. Biomedizinische Technik, 2013, 58, 87-96.	0.9	6
450	Multiâ€sensor image fusion based on NSST domain I ² CM. Electronics Letters, 2013, 49, 802-803.	0.5	20
451	A Novel Fusion Method Using NSCT and PCNN. Applied Mechanics and Materials, 0, 380-384, 3994-3997.	0.2	1
452	A novel multi-modal medical image fusion method based on shift-invariant shearlet transform. Imaging Science Journal, 2013, 61, 529-540.	0.2	8

#	Article	IF	Citations
453	A New Image Fusion Method Based on Improved PCNN and Multiscale Decomposition. Advanced Materials Research, 2013, 834-836, 1011-1015.	0.3	4
454	A Novel Image Fusion Method Based on FRFT-NSCT. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	15
455	Contourlet-1.3 Texture Retrieval with Energy, Standard Deviation and Kurtosis. Applied Mechanics and Materials, 2013, 446-447, 1347-1352.	0.2	0
456	Image fusion scheme based on modified dual pulse coupled neural network. IET Image Processing, 2013, 7, 407-414.	1.4	33
457	An Improved Compressive Sensing Image Fusion Algorithm Based on NSCT Transform. Applied Mechanics and Materials, 0, 433-435, 306-309.	0.2	2
458	Center-Symmetric Local Nonsubsampled Contourlet Transform Binary Pattern Histogram Sequence for Face Recognition. Applied Mechanics and Materials, 0, 433-435, 405-411.	0.2	0
459	A New Fusion Method of Multispectral and Panchromatic Image Based on NSCT and HIS Transform. Applied Mechanics and Materials, 2013, 462-463, 443-447.	0.2	0
460	Technique for image fusion based on nonsubsampled shearlet transform and improved pulse-coupled neural network. Optical Engineering, 2013, 52, 017001.	0.5	55
461	Fusion Algorithm for Terahertz and Visible Light Images Based on Region Segmentation and NSCT. Applied Mechanics and Materials, 0, 373-375, 613-618.	0.2	0
462	A new assessment method for image fusion quality. Proceedings of SPIE, 2013, , .	0.8	1
463	Multifocus Image Fusion Based on Multiresolution Transform and Particle Swarm Optimization. Advanced Materials Research, 0, 756-759, 3281-3285.	0.3	5
464	Multi-Features Fusion Algorithm Based on NSCT for Face Recognition. Advanced Materials Research, 0, 753-755, 2967-2970.	0.3	0
465	Pixel-Level Image Fusion Based on Programmable GPU. Applied Mechanics and Materials, 0, 347-350, 3872-3876.	0.2	0
466	An Image Fusion Algorithm Based on NSCT. Applied Mechanics and Materials, 0, 427-429, 1589-1592.	0.2	0
467	Fusion of SAR Image Using Stationary Contourlet Transform. Applied Mechanics and Materials, 2013, 462-463, 373-377.	0.2	0
468	Multispectral and panchromatic image fusion based on unsubsampled contourlet transform. , 2013, , .		0
469	Image fusion with nonsubsampled contourlet transform and sparse representation. Journal of Electronic Imaging, 2013, 22, 043019.	0.5	46
470	An Effective Image Fusion Method Based on Nonsubsampled Contourlet Transform and Pulse Coupled Neural Network. Advanced Materials Research, 2013, 756-759, 3542-3548.	0.3	3

#	Article	IF	Citations
471	Segmentation improvement of pig contour based on registration and fusion of IR thermal and optical images. , 2013, , .		1
472	A Unifying Parametric Framework for 2D Steerable Wavelet Transforms. SIAM Journal on Imaging Sciences, 2013, 6, 102-135.	1.3	67
473	Multimodal image fusion via sparse representation with local patch dictionaries. , 2013, , .		2
474	Sharpness for texture retrieval in multiscale domain. , 2013, , .		0
475	Image Fusion Technology Based on Bio-inspired Features. , 2013, , .		0
476	Multispectral Palmprint Recognition Using Score-Level Fusion. , 2013, , .		5
477	Research on edge detection algorithm for plate image. , 2013, , .		1
478	A New Image Watermarking Algorithm Using NSCT and Harris Detector in Green Manufacturing. Applied Mechanics and Materials, 2013, 340, 277-282.	0.2	2
479	Fusion of the multispectral image and the panchromatic image based on nonsubsampled contourlet transform. , 2013, , .		0
481	Image denoising using redundant finer directional wavelet transform. , 2013, , .		1
482	An effective method for night time video enhancement. , 2013, , .		0
483	Fusion of multisensor images using Nonsubsampled Contourlet Transform and Fuzzy Logic. , 2013, , .		8
484	A fast, low complexity image fusion algorithm based on multiscale transforms. , 2013, , .		2
485	SAR image denoising in nonsubsampled contourlet transform domain based on maximuma posterioriand non-local constraint. Remote Sensing Letters, 2013, 4, 270-278.	0.6	8
486	FUSION OF MULTISPECTRAL AND PANCHROMATIC IMAGES BASED ON THE NONSUBSAMPLED CONTOURLET TRANSFORM. International Journal of Image and Graphics, 2013, 13, 1350010.	1.2	1
487	Multi-Modality Image Fusion Using the Nonsubsampled Contourlet Transform. IEICE Transactions on Information and Systems, 2013, E96.D, 2215-2223.	0.4	1
488	Improved Nonsubsampled Contourlet Transform for Multi-sensor Image Registration. Photogrammetric Engineering and Remote Sensing, 2013, 79, 51-66.	0.3	3
489	Feature-Based Image Fusion with a Uniform Discrete Curvelet Transform. International Journal of Advanced Robotic Systems, 2013, 10, 255.	1.3	3

#	Article	IF	Citations
490	Multiscale spectral-spatial hyperspectral classification using Multilinear PCA and contourlet transform. , 2013, , .		1
491	Anisotropic Diffusion for Details Enhancement in Multiexposure Image Fusion. ISRN Signal Processing, 2013, 2013, 1-18.	2.9	16
492	Multi-Focus Image Fusion Using the Local Fractal Dimension. International Journal of Advanced Robotic Systems, 2013, 10, 251.	1.3	1
493	A ROBUST APPROACH TO CLASSIFY MICROCALCIFICATION IN DIGITAL MAMMOGRAMS USING CONTOURLET TRANSFORM AND SUPPORT VECTOR MACHINE. American Journal of Engineering and Applied Sciences, 2013, 6, 57-68.	0.3	6
494	Image De-Nosing Based on Non-Subsampled Contourlet Transform Domain in Multi-Bessel K Form Model. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 3400-3403.	0.1	1
495	Performance Analysis of Contourlet-Based Hyperspectral Image Fusion Methods. International Journal on Information Theory, 2013, 2, 1-14.	0.5	6
496	An Efficient Image Compressor for Charge Coupled Devices Camera. Scientific World Journal, The, 2014, 2014, 1-20.	0.8	3
497	Nonlocal image denoising via collaborative spatial-domain LMMSE estimation. , 2014, , .		3
498	Medical image fusion using enhanced gradient exposure bracketed pairs. , 2014, , .		0
499	An improved medical image fusion approach using PCA and complex wavelets. , 2014, , .		21
500	Multimodality medical image fusion based on new features in NSST domain. Biomedical Engineering Letters, 2014, 4, 414-424.	2.1	52
501	Fusion algorithm of infrared and visible images based on NSCT and PCNN. , 2014, , .		1
502	CAD for detection of microcalcification and classification in mammograms. , 2014, , .		0
503	A new approach of image enhancement based on improved fuzzy domain algorithm. , 2014, , .		3
504	An improved visible and Infrared image fusion based on local energy and fuzzy logic. , 2014, , .		4
505	Design of extrafine complex directional wavelet transform and application to image denoising. , 2014, , .		0
506	A Multi-View Sonar Image Fusion Method Based on Nonsubsampled Contourlet Transform and Morphological Modification. Applied Mechanics and Materials, 2014, 530-531, 567-570.	0.2	2
507	Analysis of Three-Dimensional Reality Modeling Algorithm in Animation Design. Applied Mechanics and Materials, 0, 602-605, 3235-3238.	0.2	0

#	Article	IF	Citations
508	A Novel Image Fusion Method Using Non-Subsampled Shearlet Transform. Applied Mechanics and Materials, 0, 668-669, 1033-1036.	0.2	0
509	Dual-Tree Complex Wavelet Transform and Image Block Residual-Based Multi-Focus Image Fusion in Visual Sensor Networks. Sensors, 2014, 14, 22408-22430.	2.1	36
510	Fusion of Visual and Infrared Image Based on NSCT. Applied Mechanics and Materials, 0, 568-570, 643-646.	0.2	1
511	A Novel Blind Watermark Extraction Algorithm Based on Nonsubsampled Contourlet Transform. Advanced Materials Research, 0, 989-994, 1901-1904.	0.3	0
512	Robust Edge Detection Based on Anisotropic Mathematical Morphology and Scale Multiplication in NSCT Domain. Applied Mechanics and Materials, 0, 595, 289-294.	0.2	0
513	Detail-Enhanced Multimodal Medical Image Fusion. , 2014, , .		1
514	Shift-invariant Non-aliasing Multiscale Geometric Analysis Filter Banks. , 2014, , .		0
515	The Nonlocal Sparse Reconstruction Algorithm by Similarity Measurement with Shearlet Feature Vector. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	14
516	Log-Gabor Energy Based Multimodal Medical Image Fusion in NSCT Domain. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-12.	0.7	41
517	Nonâ€subsampled contourlet transform based image Denoising in ultrasound thyroid images using adaptive binary morphological operations. IET Computer Vision, 2014, 8, 718-728.	1.3	23
518	A Novel Approach for Image Enhancement via Nonsubsampled Contourlet Transform. Journal of Intelligent Systems, 2014, 23, 345-355.	1.2	2
519	A New Ultrasound Image Denoising Method Combining Nonsubsampled Contourlet Transform and Edge-Preserving Self-Snake Model. Advanced Materials Research, 2014, 971-973, 1495-1498.	0.3	0
520	Fusion of visible and infrared images based on spiking cortical model in nonsubsampled contourlet transform domain. , 2014, , .		1
521	Image enhancement in spatial domain: A comprehensive study. , 2014, , .		21
522	High-quality fusion for visible and infrared images based on the double NSCT. , 2014, , .		3
523	Research on fabric defect detection via different filters combination in NSCT. , 2014, , .		1
524	A novel video denoising algorithm in communication base station monitoring system. , 2014, , .		0
525	Multi-Focus Image Fusion Based on NSCT and Focused Area Detection. IEEE Sensors Journal, 2014, , 1-1.	2.4	68

#	Article	IF	Citations
526	Image Fusion Using Region Segmentation and Sigmoid Function. , 2014, , .		6
527	Stochastic Extraction of Elongated Curvilinear Structures With Applications. IEEE Transactions on Image Processing, 2014, 23, 5360-5373.	6.0	11
528	Improvement of Benign and Malignant Probability Detection Based on Non-subsample Contourlet Transform and Super-resolution. , 2014, , .		1
529	The remote sensing image enhancement based on nonsubsampled contourlet transform and unsharp masking. Concurrency Computation Practice and Experience, 2014, 26, 742-747.	1.4	9
530	Medical image fusion using combination of PCA and wavelet analysis. , 2014, , .		41
531	Retargeting pyramid using direct decimation. , 2014, , .		4
532	Structured dictionary learning with 2-D non-separable oversampled lapped transform. , 2014, , .		12
533	A quasi-local method for instantaneous frequency estimation with application to structural magnetic resonance images. , 2014, 2014, 1477-80.		0
534	Two new methods based on contourlet transform for despeckling synthetic aperture radar images. Journal of Applied Remote Sensing, 2014, 8, 083604.	0.6	5
535	Research on compressive fusion for remote sensing images. , 2014, , .		0
536	Coefficient Feature Extraction and Analysis on SAR Image with Non-Subsampled Contourlet Transform. Advanced Materials Research, 0, 1073-1076, 1982-1986.	0.3	0
537	Image Fusion Algorithm Based on Contourlet Transform. Advanced Materials Research, 0, 1044-1045, 1173-1177.	0.3	0
538	An infared polarization image fusion method based on NSCT and fuzzy C-means clustering segmentation algorithms. , 2014, , .		0
539	NSCT-NLmeans based CS reconstruction for noisy image. , 2014, , .		1
540	An Improved Medical Image Fusion Method Based on Nonsubsampled Contourlet Transform. Advanced Materials Research, 2014, 989-994, 1082-1087.	0.3	0
541	NSCT-Based Image Enhancement Combing Homomorphic Filtering with Fuzzy Theory. Advanced Materials Research, 0, 989-994, 4136-4139.	0.3	0
542	Image fusion algorithm based on redundant-lifting NSWMDA and adaptive PCNN. , 2014, , .		0
543	Novel Infrared and Visible Images Fusion Algorithm Based on NSCT. Advanced Materials Research, 0, 989-994, 3763-3767.	0.3	0

#	Article	IF	Citations
544	A robust image watermarking scheme with kinoform in hybrid NSCT and SVD domain. , 2014, , .		2
545	Medical Ultrasound Image Denoising Algorithm Based on Nosubsampled Contourlet Transform. Applied Mechanics and Materials, 0, 644-650, 3999-4004.	0.2	0
546	Fast Algorithm for Nonsubsampled Contourlet Transform. Zidonghua Xuebao/Acta Automatica Sinica, 2014, 40, 757-762.	1.5	9
547	Multi-scale weighted gradient-based fusion for multi-focus images. Information Fusion, 2014, 20, 60-72.	11.7	316
548	Directional Multiscale Processing of Images Using Wavelets with Composite Dilations. Journal of Mathematical Imaging and Vision, 2014, 48, 13-34.	0.8	14
549	Image fusion with morphological component analysis. Information Fusion, 2014, 18, 107-118.	11.7	106
550	Despeckling SAR images based on a new probabilistic model in nonsubsampled contourlet transform domain. Signal, Image and Video Processing, 2014, 8, 1459-1474.	1.7	6
551	Pâ€"M equation based multiscale decomposition and its application to image fusion. Pattern Analysis and Applications, 2014, 17, 167-178.	3.1	5
552	Image Fusion by Hierarchical Joint Sparse Representation. Cognitive Computation, 2014, 6, 281-292.	3.6	23
553	Noise reduction of welding defect image based on NSCT and anisotropic diffusion. Transactions of Tianjin University, 2014, 20, 60-65.	3.3	2
554	CT and MR Image Fusion Scheme in Nonsubsampled Contourlet Transform Domain. Journal of Digital Imaging, 2014, 27, 407-418.	1.6	83
555	Attribute relation learning for zero-shot classification. Neurocomputing, 2014, 139, 34-46.	3.5	43
556	Patch based image denoising using the finite ridgelet transform for less artifacts. Journal of Visual Communication and Image Representation, 2014, 25, 1006-1017.	1.7	13
557	Discrete Multi-Scale Transforms in Signal Processing. Academic Press Library in Signal Processing, 2014, 1, 467-560.	0.8	0
558	Image fusion based on shearlet transform and regional features. AEU - International Journal of Electronics and Communications, 2014, 68, 471-477.	1.7	57
559	A novel image fusion algorithm based on nonsubsampled shearlet transform. Optik, 2014, 125, 2274-2282.	1.4	84
560	Translation Invariant Directional Framelet Transform Combined With Gabor Filters for Image Denoising. IEEE Transactions on Image Processing, 2014, 23, 44-55.	6.0	28
561	Image fusion using multiscale edgeâ€preserving decomposition based on weighted least squares filter. IET Image Processing, 2014, 8, 183-190.	1.4	71

#	Article	IF	Citations
562	Novel fusion method for visible light and infrared images based on NSSTâ€"SFâ€"PCNN. Infrared Physics and Technology, 2014, 65, 103-112.	1.3	152
563	Multi-modal medical image fusion using the inter-scale and intra-scale dependencies between image shift-invariant shearlet coefficients. Information Fusion, 2014, 19, 20-28.	11.7	138
564	Image fusion using intuitionistic fuzzy sets. Information Fusion, 2014, 20, 21-30.	11.7	110
565	Nonsubsampled Contourlet Transform based expectation maximization method with adaptive mean shift for automatic segmentation of MR brain images. , 2014, , .		0
566	An effective color image fusion algorithm of visual and infrared night images. , 2014, , .		2
567	Unsupervised Change Detection in SAR Image Based on Gauss-Log Ratio Image Fusion and Compressed Projection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3297-3317.	2.3	121
568	Image factorization and feature fusion for enhancing robot vision in human face recognition. , 2014, , .		0
569	Noise Reduction in Small-Animal PET Images Using a Multiresolution Transform. IEEE Transactions on Medical Imaging, 2014, 33, 2010-2019.	5.4	11
570	Novel designs for nonsubsampled multiresolution directional filter banks and an extra finer directional wavelet transform. , 2014, , .		2
571	Self-adaptive spatial image denoising model based on scale correlation and SURE-LET in the nonsubsampled contourlet transform domain. Science China Information Sciences, 2014, 57, 1-15.	2.7	3
572	LS-SVM-based image segmentation using pixel color-texture descriptors. Pattern Analysis and Applications, 2014, 17, 341-359.	3.1	11
573	A new robust digital watermarking based on exponent moments invariants in nonsubsampled contourlet transform domain. Computers and Electrical Engineering, 2014, 40, 942-955.	3.0	19
574	A new image processing method for discriminating internal layers from radio echo sounding data of ice sheets via a combined robust principal component analysis and total variation approach. Science China Technological Sciences, 2014, 57, 838-846.	2.0	3
575	Multifocus image fusion using focus measure of fractional differential and NSCT. Pattern Recognition and Image Analysis, 2014, 24, 234-242.	0.6	6
576	Discrete shearlet transform on GPU with applications in anomaly detection and denoising. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.0	25
577	Efficient pan-sharpening of satellite images with the contourlet transform. International Journal of Remote Sensing, 2014, 35, 1979-2002.	1.3	12
578	Automatic SAR image enhancement based on nonsubsampled contourlet transform and memetic algorithm. Neurocomputing, 2014, 134, 70-78.	3.5	23
579	Image fusion algorithm based on redundant-lifting NSWMDA and adaptive PCNN. Optik, 2014, 125, 6247-6255.	1.4	23

#	Article	IF	Citations
580	Medical image fusion using multi-level local extrema. Information Fusion, 2014, 19, 38-48.	11.7	123
581	Multi-focus image fusion algorithm based on compound PCNN in Surfacelet domain. Optik, 2014, 125, 296-300.	1.4	28
582	MRI-PET image fusion based on NSCT transform using local energy and local variance fusion rules. Journal of Medical Engineering and Technology, 2014, 38, 211-219.	0.8	29
583	Technique for gray-scale visual light and infrared image fusion based on non-subsampled shearlet transform. Infrared Physics and Technology, 2014, 63, 110-118.	1.3	40
584	Technique for image fusion based on NSST domain INMF. Optik, 2014, 125, 2716-2722.	1.4	16
585	Synthetic Aperture Radar image nonlinear enhancement algorithm based on NSCT transform. Physical Communication, 2014, 13, 239-243.	1.2	5
586	Diagnosis of highâ€resolution upper ocean dynamics from noisy sea surface temperatures. Journal of Geophysical Research: Oceans, 2014, 119, 121-132.	1.0	14
587	A Pan-Sharpening Based on the Non-Subsampled Contourlet Transform: Application to Worldview-2 Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1806-1815.	2.3	46
588	BASI: a new index to extract built-up areas from high-resolution remote sensing images by visual attention model. Remote Sensing Letters, 2014, 5, 305-314.	0.6	27
589	Fusion method of infrared and visible images based on neighborhood characteristic and regionalization in NSCT domain. Optik, 2014, 125, 4980-4984.	1.4	31
590	Catenary image enhancement using wavelet-based contourlet transform with cycle translation. Optik, 2014, 125, 3922-3925.	1.4	14
591	Recent Advances in Signal Processing on Graphs. Ieice Ess Fundamentals Review, 2014, 8, 15-29.	0.1	0
592	Traffic Video Surveillance Using Contourlet Transform. , 2015, , .		0
593	Medical image fusion technique based on type-2 near fuzzy set. , 2015, , .		4
594	Research on image fusion algorithm based on Compressed Sensing theory. , 2015, , .		0
595	Hybrid method for medical image denoising using Shearlet transform and bilateral filter. , 2015, , .		2
596	Infrared Image and Visual Image Fusion Algorithm Based on NSCT and Improved Weight Average. , 2015, , .		1
597	A particle filter tracking algorithm of multi-features fusion based on energy cumulant. , 2015, , .		0

#	Article	IF	Citations
598	A new image denoising algorithm with multiscale products. , 2015, , .		0
599	Visible and infrared image fusion technique using advance fuzzy set theory. , 2015, , .		1
600	Endoscopic Image Retrieval System Using Multi-scale Image Features. , 2015, , .		1
601	An improved digital watermarking technology based on QR code. , 2015, , .		1
602	A medical image enhancement method using adaptive thresholding in NSCT domain combined unsharp masking. International Journal of Imaging Systems and Technology, 2015, 25, 199-205.	2.7	27
603	Regional firing characteristic of PCNN-based multimodal medical image fusion in NSCT domain. International Journal of Biomedical Engineering and Technology, 2015, 18, 199.	0.2	7
604	Multi-Focus Image Fusion Based on Multiple Directional LOTs. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 2360-2365.	0.2	7
605	Poisson-Gaussian Noise Reduction Using the Hidden Markov Model in Contourlet Domain for Fluorescence Microscopy Images. PLoS ONE, 2015, 10, e0136964.	1.1	20
606	A Novel Multiscale Edge Detection Approach Based on Nonsubsampled Contourlet Transform and Edge Tracking. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	9
607	Automatic Side-Scan Sonar Image Enhancement in Curvelet Transform Domain. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	7
608	The Nonsubsampled Contourlet Transform Based Statistical Medical Image Fusion Using Generalized Gaussian Density. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-13.	0.7	9
609	Normal Inverse Gaussian Model-Based Image Denoising in the NSCT Domain. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	0
610	New models of visual saliency: Contourlet transform based model and hybrid model. , 2015, , .		1
611	Band-Specific Shearlet-Based Hyperspectral Image Noise Reduction. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5054-5066.	2.7	30
612	Infraredâ€visible video fusion based on motionâ€compensated wavelet transforms. IET Image Processing, 2015, 9, 318-328.	1.4	16
613	Multi-focus image fusion based on improved spectral graph wavelet transform. , 2015, , .		0
614	Improving the quality of medical images in shearlet domain. , 2015, , .		2
615	Perceptual-Based Fusion of Infrared and Visual Images in Nonsubsampled Contourlet Transform. , 2015, , .		0

#	Article	IF	Citations
616	Multiscale random projection based background suppression of infrared small target image. Infrared Physics and Technology, 2015, 73, 255-262.	1.3	11
617	Smooth affine shear tight frames: digitization and applications. Proceedings of SPIE, 2015, , .	0.8	0
618	Infrared and visible image fusion based on shearlet transform and image enhancement. , 2015, , .		2
619	Infrared Image Super-Resolution by Using Sparse Dictionary and Nonsubsampled Contourlet Transform. , 2015, , .		0
620	Comparative analysis of different fusion rules for SAR and multi-spectral image fusion based on NSCT and IHS transform. , 2015, , .		3
621	Multimodal biomedical image fusion: Use of log-Gabor and guided filters with non-subsampled contourlet transform. , 2015, , .		3
622	Multifocus color image sequence fusion based on mean shift segmentation. Applied Optics, 2015, 54, 8982.	2.1	12
623	An Adaptive Enhancement Algorithm for Infrared Images. , 2015, , .		0
624	Fusion of Multi-Sensor Satellite Images Using Non-Subsampled Contourlet Transform. Procedia Computer Science, 2015, 54, 713-720.	1.2	7
625	Improved Fusion Method for Remote Sensing Imagery Using NSCT and Extend IHS. IFAC-PapersOnLine, 2015, 48, 64-69.	0.5	5
626	Gradient-domain image decomposition for image recovery. , 2015, , .		0
627	Performance analysis of retargeting pyramid and its applications. , 2015, , .		0
628	PMPA: A patch-based multiscale products algorithm for image denoising. , 2015, , .		14
629	Lossy compression of hyperspectral images using shearlet transform and 3D SPECK. Proceedings of SPIE, 2015, , .	0.8	0
630	Infrared dim small target detection algorithm based on NSCT and SVD. , 2015, , .		0
631	A novel image steganography scheme based on morphological associative memory and permutation schema. Security and Communication Networks, 2015, 8, 110-121.	1.0	7
632	A fusion algorithm for infrared and visible images based on adaptive dual-channel unit-linking PCNN in NSCT domain. Infrared Physics and Technology, 2015, 69, 53-61.	1.3	153
633	Expansion of LISS III swath using AWiFS wider swath data and contourlet coefficients learning. GIScience and Remote Sensing, 2015, 52, 78-93.	2.4	9

#	Article	IF	Citations
634	Robust multi-modal medical image fusion via anisotropic heat diffusion guided low-rank structural analysis. Information Fusion, 2015, 26, 103-121.	11.7	44
635	A shearlet-based separation method of 3D engineering surface using high definition metrology. Precision Engineering, 2015, 40, 55-73.	1.8	36
637	Image denoising in hybrid wavelet and quincunx diamond filter bank domain based on Gaussian scale mixture model. Computers and Electrical Engineering, 2015, 46, 384-393.	3.0	8
638	A novel image fusion framework for night-vision navigation and surveillance. Signal, Image and Video Processing, 2015, 9, 165-175.	1.7	32
639	A new contrast based multimodal medical image fusion framework. Neurocomputing, 2015, 157, 143-152.	3.5	145
640	Facial aging and asymmetry decomposition based approaches to identification of twins. Pattern Recognition, 2015, 48, 3843-3856.	5.1	19
641	Breast cancer detection and classification in digital mammography based on Non-Subsampled Contourlet Transform (NSCT) and Super Resolution. Computer Methods and Programs in Biomedicine, 2015, 122, 89-107.	2.6	55
642	A comparative study of directional filters with application to angiogram image enhancement. , 2015, , .		0
643	A novel image fusion approach based on compressive sensing. Optics Communications, 2015, 354, 299-313.	1.0	16
644	A novel multi-focus image fusion method using PCNN in nonsubsampled contourlet transform domain. Optik, 2015, 126, 2508-2511.	1.4	32
645	Simultaneous image fusion and denoising with adaptive sparse representation. IET Image Processing, 2015, 9, 347-357.	1.4	281
646	Scale-rotation invariant features from Non-Subsampled Contourlets. , 2015, , .		0
647	The seismic random noise attenuation method based on enhanced bandelet transform. Journal of Applied Geophysics, 2015, 116, 146-155.	0.9	10
648	Simultaneous denoising and preserving of seismic signals by multiscale time-frequency peak filtering. Journal of Applied Geophysics, 2015, 117, 42-51.	0.9	6
649	Fully automated diabetic retinopathy screening using morphological component analysis. Computerized Medical Imaging and Graphics, 2015, 43, 78-88.	3.5	52
650	A no-reference image quality assessment approach based on steerable pyramid decomposition using natural scene statistics. Neural Computing and Applications, 2015, 26, 77-90.	3.2	10
651	Comparative assessment of efficiency for content based image retrieval systems using different wavelet features and pre-classifier. Multimedia Tools and Applications, 2015, 74, 11595-11630.	2.6	11
652	Multi-Focus Image Fusion Based on NSCT and NSST. Sensing and Imaging, 2015, 16, 1.	1.0	15

#	Article	IF	Citations
653	Quality assessment of ZiYuan-3 multispectral and panchromatic images fusion: applied in Jiangsu coastal wetland area, China. Journal of Applied Remote Sensing, 2015, 9, 095089.	0.6	2
654	Nonsubsampled shearlet based CT and MR medical image fusion using biologically inspired spiking neural network. Biomedical Signal Processing and Control, 2015, 18, 91-101.	3.5	124
655	Texture Classification and Retrieval Using Shearlets and Linear Regression. IEEE Transactions on Cybernetics, 2015, 45, 358-369.	6.2	97
656	Color-Direction Patch-Sparsity-Based Image Inpainting Using Multidirection Features. IEEE Transactions on Image Processing, 2015, 24, 1138-1152.	6.0	51
657	Iris Recognition using Robust Localization and Nonsubsampled Contourlet Based Features. Journal of Signal Processing Systems, 2015, 81, 111-128.	1.4	18
658	An Edge Preserving Multiresolution Fusion: Use of Contourlet Transform and MRF Prior. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3210-3220.	2.7	51
659	Infrared image and visual image fusion algorithm based on NSCT and improved regional cross entropy. , 2015, , .		0
660	A Novel Fusion Method of Infrared and Visible Images Based on Non-subsampled Contourlet Transform. Lecture Notes in Computer Science, 2015, , 297-306.	1.0	1
661	An infrared-visible image fusion scheme based on NSCT and compressed sensing. Proceedings of SPIE, 2015, , .	0.8	1
663	Fusion technique for multi-focus images based on NSCTâ€"ISCM. Optik, 2015, 126, 3185-3192.	1.4	20
664	Edge detection in polarimetric SAR images based on the nonsubsampled contourlet transform. , 2015, , .		1
665	Enhanced medical image fusion of PET and CT using NonsubsampledContourlet transform. , 2015, , .		0
666	Multimodal Medical Image Sensor Fusion Framework Using Cascade of Wavelet and Contourlet Transform Domains. IEEE Sensors Journal, 2015, 15, 6783-6790.	2.4	156
667	Iris Recognition Using the Nonsubsampled Contourlet Transform. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1556014.	0.7	0
668	Local sparsity enhanced compressed sensing magnetic resonance imaging in uniform discrete curvelet domain. BMC Medical Imaging, 2015, 15, 28.	1.4	9
669	Infrared image denoising using mixed statistical model in nonsubsampled contourlet domain. , 2015, , .		0
670	An image super resolution reconstruction algorithm based on Undecimated Morphological Wavelet. , 2015, , .		2
671	Infrared and visible image fusion using multiscale directional nonlocal means filter. Applied Optics, 2015, 54, 4299.	2.1	32

#	Article	IF	Citations
672	A Novel NSCT Fusion Algorithm for Images Based on Compressive Sensing and Dynamic WNMF. Lecture Notes in Computer Science, 2015, , 361-372.	1.0	0
673	A fast fusion scheme for infrared and visible light images in NSCT domain. Infrared Physics and Technology, 2015, 72, 266-275.	1.3	63
674	An Adaptive Support Vector Machine-Based Workpiece Surface Classification System Using High-Definition Metrology. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2590-2604.	2.4	49
675	A multi-focus color image fusion method based on edge detection. , 2015, , .		1
676	A novel medical image fusion with lαβ color transformation. , 2015, , .		0
677	Multi-sensor image enhanced fusion algorithm based on NSST and top-hat transformation. Optik, 2015, 126, 4184-4190.	1.4	41
678	Image denoising via bivariate shrinkage function based on a new structure of dual contourlet transform. Signal Processing, 2015, 109, 25-37.	2.1	25
679	PCA Based Medical Image Fusion in Ridgelet Domain. Advances in Intelligent Systems and Computing, 2015, , 475-482.	0.5	12
680	A novel image denoising scheme based on fusing multiresolution and spatial filters. Signal, Image and Video Processing, 2015, 9, 885-892.	1.7	5
681	Image denoising using normal inverse gaussian model in quaternion wavelet domain. Multimedia Tools and Applications, 2015, 74, 1107-1124.	2.6	8
682	Stereo matching cost computation based on nonsubsampled contourlet transform. Journal of Visual Communication and Image Representation, 2015, 26, 275-283.	1.7	9
683	A novel fusion scheme for visible and infrared images based on compressive sensing. Optics Communications, 2015, 335, 168-177.	1.0	46
684	A graph-based relevance feedback mechanism in content-based image retrieval. Knowledge-Based Systems, 2015, 73, 254-264.	4.0	59
685	Scaling-based watermarking with universally optimum decoder. Multimedia Tools and Applications, 2015, 74, 5995-6018.	2.6	5
686	NSCT Domain Additive Watermark Detection Using RAO Hypothesis Test and Cauchy Distribution. Mathematical Problems in Engineering, 2016, 2016, 1-18.	0.6	6
687	Robust automatic classification of benign and malignant microcalcification and mass in digital mammography. International Journal of Business Intelligence and Data Mining, 2016, 11, 282.	0.2	1
688	Analysis of Image Fusion Techniques based on Quality Assessment Metrics. Indian Journal of Science and Technology, 2016, 9, .	0.5	11
689	Medical Image Fusion via Non-Subsampled Contourlet Transform. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 291-300.	0.3	0

#	Article	IF	Citations
690	Representation of Block-Based Image Features in a Multi-Scale Framework for Built-Up Area Detection. Remote Sensing, 2016, 8, 155.	1.8	15
691	Image Edge Detection Based on Gaussian Mixture Model in Nonsubsampled Contourlet Domain. Journal of Electrical and Computer Engineering, 2016, 2016, 1-10.	0.6	5
692	A Strong Robust Zero-Watermarking Scheme Based on Shearletsâ€™ High Ability for Capturing Directional Features. Mathematical Problems in Engineering, 2016, 2016, 1-11.	0.6	9
693	A Novel Image Fusion Algorithm for Visible and PMMW Images based on Clustering and NSCT. MATEC Web of Conferences, 2016, 56, 02004.	0.1	0
694	Pansharpening with a Guided Filter Based on Three-Layer Decomposition. Sensors, 2016, 16, 1068.	2.1	32
695	Nonsubsampled contourlet transform method for optical fringe pattern analysis in profilometry and interferometry. Applied Optics, 2016, 55, 7718.	2.1	4
696	Optical nonsubsampled contourlet transform. Applied Optics, 2016, 55, 7726.	2.1	0
697	Image fusion based on visual salient features and the cross-contrast. Journal of Visual Communication and Image Representation, 2016, 40, 218-224.	1.7	16
698	NSCT-Based Infrared Image Enhancement Method for Rotating Machinery Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2293-2301.	2.4	33
699	Vision model based image fusion in nonsubsampled contourlet transform domain. , 2016, , .		0
700	Fusion of infrared and visual images through multiscale hybrid unidirectional total variation. , 2016, , .		2
701	Contourlet versus Gabor Transform for Texture Feature Extraction and Image Retrieval. , 2016, , .		2
702	MSVD based image watermarking in NSCT domain. , 2016, , .		1
703	SAR image segmentation for land cover change detection. , 2016, , .		6
704	Multi-focus image fusion based on scale vector norm of nonsubsampled Contourlet Transform. , 2016, , .		1
705	A novel medical image fusion scheme employing sparse representation and dual PCNN in the NSCT domain. , 2016, , .		4
706	Human body region enhancement method based on Kinect infrared imaging. , 2016, , .		0
707	Image denoising using bilateral filter in subsampled pyramid and nonsubsampled directional filter bank domain. Journal of Intelligent and Fuzzy Systems, 2016, 31, 237-247.	0.8	5

#	Article	IF	Citations
708	A novel fusion method of infrared and visual images based on Undecimated Discrete Wavelet Transform and saliency map. , 2016, , .		0
709	Seafloor segmentation using combined texture features of sidescan sonar images. , 2016, , .		0
710	Multimodal image fusion via sparse representation and clustering-based dictionary learning algorithm in NonSubsampled Contourlet domain. , 2016, , .		11
711	Multimodal medical image fusion based on nonsubsampled contourlet transform using improved PCNN. , 2016, , .		4
712	Refined Pan-Sharpening With NSCT and Hierarchical Sparse Autoencoder. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 5715-5725.	2.3	13
713	Satellite image denoising using shearlet transform. , 2016, , .		4
714	Multispectral medical image fusion in Contourlet domain for computer based diagnosis of Alzheimerâ€™s disease. Review of Scientific Instruments, 2016, 87, 074303.	0.6	23
715	CT and MR Images Fusion Method Based on Nonsubsampled Contourlet Transform. , 2016, , .		2
716	Fusion of multi-voltage digital radiography images based on nonsubsampled contourlet transform. Journal of X-Ray Science and Technology, 2016, 24, 67-77.	0.7	3
717	Denoising of digital images using shearlet transform. , 2016, , .		0
718	Image Fusion Method Based on Improved NSCT Transform and PCNN Model. , 2016, , .		4
719	A novel fusion approach for multimodal medical images using Non-Subsampled contourlet transform. , 2016, , .		4
720	Multi-focus color image fusion using NSCT and PCNN. , 2016, , .		6
721	MRI brain pattern analysis for detection of Alzheimer's disease using random forest classifier. Intelligent Decision Technologies, 2016, 10, 331-340.	0.6	4
722	Improvement of system quality in a generalized finite element method using discrete curvelet transform. , 2016, , .		0
723	A fast multi-focus image fusion algorithm by DWT and focused region decision map. , 2016, , .		9
724	Infrared and visible image fusion via gradient transfer and total variation minimization. Information Fusion, 2016, 31, 100-109.	11.7	761
725	Infrared and visible image fusion using total variation model. Neurocomputing, 2016, 202, 12-19.	3.5	90

#	Article	IF	Citations
726	Performance improvement scheme of multifocus image fusion derived by difference images. Signal Processing, 2016, 128, 474-493.	2.1	41
727	A study on image denoising in contourlet domain using the alpha-stable family of distributions. Signal Processing, 2016, 128, 459-473.	2.1	22
728	Infrared and visible images fusion based on RPCA and NSCT. Infrared Physics and Technology, 2016, 77, 114-123.	1.3	78
729	Computational aesthetics of photos quality assessment based on improved artificial neural network combined with an autoencoder technique. Neurocomputing, 2016, 188, 50-62.	3.5	17
730	Scheme for unsupervised colourâ€"texture image segmentation using neutrosophic set and nonâ€subsampled contourlet transform. IET Image Processing, 2016, 10, 464-473.	1.4	43
731	Local feature descriptor using entropy rate. Neurocomputing, 2016, 194, 157-167.	3.5	5
732	Warp-knitted fabric defect segmentation based on non-subsampled Contourlet transform. Journal of the Textile Institute, 0, , 1-8.	1.0	2
733	A robust vision inspection system for detecting surface defects of film capacitors. Signal Processing, 2016, 124, 54-62.	2.1	39
734	Warp-knitted fabric defect segmentation based on the non-subsampled wavelet-packet-based Contourlet transform. Textile Reseach Journal, 2016, 86, 2043-2055.	1.1	3
735	Remote sensing image segmentation using active contours based on intercorrelation of nonsubsampled contourlet coefficients. Journal of Electronic Imaging, 2016, 25, 061405.	0.5	5
736	Multi-temporal fusion of abdominal CT images for effective liver cancer diagnosis. , 2016, , .		2
737	A novel sparse-representation-based multi-focus image fusion approach. Neurocomputing, 2016, 216, 216-229.	3.5	73
738	Salient object detection fusing global and local information based on nonsubsampled contourlet transform. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1430.	0.8	7
739	A novel fusion technique for CT and MRI medical image based on NSST. , 2016, , .		8
740	Face recognition with local contourlet combined patterns. , 2016, , .		4
741	NSCT based multispectral medical image fusion model. , 2016, , .		5
742	Combination of anisotropic diffusion and non-subsampled shearlet transform for image denoising. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3087-3098.	0.8	13
743	Digital Affine Shear Transforms: Fast Realization and Applications in Image/Video Processing. SIAM Journal on Imaging Sciences, 2016, 9, 1437-1466.	1.3	18

#	Article	IF	Citations
744	Fast image super-resolution via multiple directional transforms. , 2016, , .		2
745	Performance evaluation for image fusion technique in medical images using spatial and transform method. , 2016, , .		3
746	Region based Multi-focus Image Fusion using the spectral parameter Variance. , 2016, , .		3
747	Fusion of PAN and multispectral remote sensing images in shearlet domain by considering regional metrics. Journal of Applied Remote Sensing, 2016, 10, 045003.	0.6	1
748	Remote sensing image enhancement based on the combination of nonsubsampled shearlet transform and guided filtering. Optical Engineering, 2016, 55, 103104.	0.5	21
749	A New Interpolation Algorithm Based on the Frequency Transform. , 2016, , .		1
750	RISA. , 2016, , .		0
751	Multi-sensor mars image fusion based on IHS combined robust PCA. , 2016, , .		0
752	A novel visible and infrared image fusion algorithm based on detail enhancement. Proceedings of SPIE, 2016, , .	0.8	0
753	Weak point target detection in star sensor. Proceedings of SPIE, 2016, , .	0.8	1
754	Stripe artifact elimination based on nonsubsampled contourlet transform for light sheet fluorescence microscopy. Journal of Biomedical Optics, 2016, 21, 106005.	1.4	28
755	A new method of building extraction from high resolution remote sensing images based on NSCT And PCNN. , 2016, , .		1
756	A multi-focus image fusion algorithm using modified adaptive PCNN model. , 2016, , .		2
757	Edge Detection in Low Quality Medical Images. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 351-362.	0.2	1
758	Developing a retrieval based diagnostic aid for automated melanoma recognition of dermoscopic images. , 2016, , .		14
759	PCA-DWT based medical image fusion using non sub-sampled contourlet transform. , 2016, , .		13
760	Fusing Facial Texture Features for Face Recognition. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2016, 86, 395-403.	0.8	1
761	Improved Multiscale Edge Detection Method for Polarimetric SAR Images. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1104-1108.	1.4	18

#	Article	IF	Citations
762	Multi-focus pixel-based image fusion in dual domain. , 2016, , .		3
763	Coupling fault diagnosis of rotating machinery by information fusion. , 2016, , .		4
764	The optimal algorithm for Multi-source RS image fusion. MethodsX, 2016, 3, 87-101.	0.7	5
765	A novel surface defect inspection algorithm for magnetic tile. Applied Surface Science, 2016, 375, 118-126.	3.1	33
766	Fusion of infrared and visible images based on BEMD and NSDFB. Infrared Physics and Technology, 2016, 77, 82-93.	1.3	18
767	Cross-Examination for Angle-Closure Glaucoma Feature Detection. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 343-354.	3.9	39
768	Joint Binary Classifier Learning for ECOC-Based Multi-Class Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2335-2341.	9.7	71
769	PolSAR Image Classification via D-KSVD and NSCT-Domain Features Extraction. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 227-231.	1.4	31
770	Image denoising using sparse representation classification and non-subsampled shearlet transform. Signal, Image and Video Processing, 2016, 10, 1081-1087.	1.7	28
771	An adaptive fusion approach for infrared and visible images based on NSCT and compressed sensing. Infrared Physics and Technology, 2016, 74, 11-20.	1.3	73
772	Hallucinating faces based on adaptive neighborhood selection and dual tree complex wavelet transform. Optik, 2016, 127, 525-534.	1.4	2
773	Perceptual fusion of infrared and visible images through a hybrid multi-scale decomposition with Gaussian and bilateral filters. Information Fusion, 2016, 30, 15-26.	11.7	305
774	A new Pansharpening Approach Based on NonSubsampled Contourlet Transform Using Enhanced PCA Applied to SPOT and ALSAT-2A Satellite Images. Journal of the Indian Society of Remote Sensing, 2016, 44, 665-674.	1.2	10
775	ShearLab 3D. ACM Transactions on Mathematical Software, 2016, 42, 1-42.	1.6	109
776	Image fusion for synthetic aperture radar and multispectral images based on sub-band-modulated non-subsampled contourlet transform and pulse coupled neural network methods. Imaging Science Journal, 2016, 64, 87-93.	0.2	11
777	Spatial Methods for Multispectral Pansharpening: Multiresolution Analysis Demystified. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 2563-2576.	2.7	95
778	Using two coefficients modeling of nonsubsampled Shearlet transform for despeckling. Journal of Applied Remote Sensing, 2016, 10, 015002.	0.6	10
779	Multimodal Sensor Medical Image Fusion Based on Type-2 Fuzzy Logic in NSCT Domain. IEEE Sensors Journal, 2016, 16, 3735-3745.	2.4	171

#	Article	IF	Citations
780	Performance evaluation of wavelet, ridgelet, curvelet and contourlet transforms based techniques for digital image denoising. Artificial Intelligence Review, 2016, 45, 509-533.	9.7	22
781	Infrared and visible image fusion scheme based on NSCT and low-level visual features. Infrared Physics and Technology, 2016, 76, 174-184.	1.3	93
782	A pan-sharpening method based on NSCT and formulated as compressive sensing problem. Geocarto International, 2016, 31, 1142-1157.	1.7	2
783	Multifocus image fusion by combining with mixed-order structure tensors and multiscale neighborhood. Information Sciences, 2016, 349-350, 25-49.	4.0	63
784	Segmentation of non-stochastic surfaces based on non-subsampled contourlet transform and mathematical morphologies. Measurement: Journal of the International Measurement Confederation, 2016, 79, 137-146.	2.5	9
785	An Affinity-Based Algorithm in Nonsubsampled Contourlet Transform Domain: Application to Synthetic Aperture Radar Image Denoising. Journal of Signal Processing Systems, 2016, 83, 373-388.	1.4	2
786	Adaptive speckle reduction in ultrasound images using fuzzy logic on Coefficient of Variation. Biomedical Signal Processing and Control, 2016, 23, 93-103.	3.5	39
787	Despeckling of SAR images by directional representation and directional restoration. Optik, 2016, 127, 116-121.	1.4	6
788	Brain MR Image Denoising for Rician Noise Using Intrinsic Geometrical Information. Lecture Notes in Electrical Engineering, 2016, , 275-284.	0.3	2
789	Structuring of Contourlet Transform for Pipeline-Based Implementation. Circuits, Systems, and Signal Processing, 2016, 35, 953-976.	1.2	0
790	Joint patch clustering-based dictionary learning for multimodal image fusion. Information Fusion, 2016, 27, 198-214.	11.7	156
791	Fractional differential and variational method for image fusion and super-resolution. Neurocomputing, 2016, 171, 138-148.	3.5	50
792	Image fusion based on complex-shearlet domain with guided filtering. Multidimensional Systems and Signal Processing, 2017, 28, 207-224.	1.7	48
793	A remote sensing image enhancement method using mean filter and unsharp masking in non-subsampled contourlet transform domain. Transactions of the Institute of Measurement and Control, 2017, 39, 183-193.	1.1	18
794	Color monogenic wavelet transform for multichannel image denoising. Multidimensional Systems and Signal Processing, 2017, 28, 1463-1480.	1.7	4
795	Description of Salient Features Combined with Local Self-Similarity for SAR Image Registration. Journal of the Indian Society of Remote Sensing, 2017, 45, 131-138.	1.2	4
796	Design of complex adaptive multiresolution directional filter bank and application to pansharpening. Signal, Image and Video Processing, 2017, 11, 259-266.	1.7	2
797	Improved Image Pansharpening Technique using Nonsubsampled Contourlet Transform with Sparse Representation. Journal of the Indian Society of Remote Sensing, 2017, 45, 385-394.	1.2	6

#	Article	IF	Citations
798	Multisensor image fusion approach utilizing hybrid pre-enhancement and double nonsubsampled contourlet transform. Journal of Electronic Imaging, 2017, 26, 010501.	0.5	3
799	A hybrid NSCT domain image watermarking scheme. Eurasip Journal on Image and Video Processing, 2017, 2017, .	1.7	16
800	A novel image fusion algorithm based on 2D scale-mixing complex wavelet transform and Bayesian MAP estimation for multimodal medical images. Journal of Innovative Optical Health Sciences, 2017, 10, 1750001.	0.5	6
801	Satellite Image Resolution Enhancement Using Nonsubsampled Contourlet Transform and Clustering on Subbands. Journal of the Indian Society of Remote Sensing, 2017, 45, 979-991.	1.2	5
802	Infrared and visible image fusion based on target extraction in the nonsubsampled contourlet transform domain. Journal of Applied Remote Sensing, 2017, 11, 1.	0.6	33
803	Automated melanoma recognition in dermoscopic images based on extreme learning machine (ELM). Proceedings of SPIE, 2017, , .	0.8	5
804	Fusion of infrared and visible images based on nonsubsampled contourlet transform and sparse K-SVD dictionary learning. Infrared Physics and Technology, 2017, 82, 85-95.	1.3	43
805	Multi-pose system for geometric measurement of large-scale assembled rotational parts. Measurement Science and Technology, 2017, 28, 055011.	1.4	4
806	Evaluating optical properties of real photonic crystal fibers with compressed sensing based on non-subsampled contourlet transform. Infrared Physics and Technology, 2017, 85, 266-272.	1.3	4
807	A Novel, Efficient, Robust, and Blind Imperceptible 3D Anaglyph Image Watermarking. Arabian Journal for Science and Engineering, 2017, 42, 3521-3533.	1.7	5
808	Image Fusion With Cosparse Analysis Operator. IEEE Signal Processing Letters, 2017, 24, 943-947.	2.1	37
809	Image denoising in dual contourlet domain using hidden Markov tree models. , 2017, 67, 17-29.		23
810	High-TV Based CS Framework Using MAP Estimator for SAR Image Enhancement. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4059-4073.	2.3	8
811	Deep Convolutional Neural Network for Inverse Problems in Imaging. IEEE Transactions on Image Processing, 2017, 26, 4509-4522.	6.0	1,540
812	Derivative Kernels: Numerics and Applications. IEEE Transactions on Image Processing, 2017, 26, 4596-4611.	6.0	24
813	Choosing the filter for catenary image enhancement method based on the non-subsampled contourlet transform. Review of Scientific Instruments, 2017, 88, 054701.	0.6	6
814	A Hybrid Method for Multi-Focus Image Fusion Based on Fast Discrete Curvelet Transform. IEEE Access, 2017, 5, 14898-14913.	2.6	31
815	Target recognition of floating raft aquaculture in SAR image based on statistical region merging. , 2017, , .		14

#	Article	IF	Citations
816	Robust local features for remote face recognition. Image and Vision Computing, 2017, 64, 34-46.	2.7	43
817	A comparative study on clutter reduction techniques in GPR images. , 2017, , .		10
818	Hybrid semi-blind image watermarking in redundant wavelet domain. Multimedia Tools and Applications, 2017, 76, 19113-19137.	2.6	48
819	Multifocus image fusion via fixed window technique of multiscale images and non-local means filtering. Signal Processing, 2017, 138, 71-85.	2.1	68
821	Wavelet Variants for 2D Analysis. Signals and Communication Technology, 2017, , 345-468.	0.4	0
822	Interactive radiographic image retrieval system. Computer Methods and Programs in Biomedicine, 2017, 139, 209-220.	2.6	8
824	A Hybrid Method Based CT Image Denoising Using Nonsubsampled Contourlet and Curvelet Transforms. Advances in Intelligent Systems and Computing, 2017, , 571-580.	0.5	0
825	Automated classification of maxillofacial cysts in cone beam CT images using contourlet transformation and Spherical Harmonics. Computer Methods and Programs in Biomedicine, 2017, 139, 197-207.	2.6	33
826	Surface area-based focus criterion for multi-focus image fusion. Information Fusion, 2017, 36, 284-295.	11.7	44
827	Comparison of Fusion Techniques for Very High Resolution Data for Extraction of Urban Land-Cover. Journal of the Indian Society of Remote Sensing, 2017, 45, 709-724.	1.2	4
828	A novel infrared and visible image fusion algorithm based on shift-invariant dual-tree complex shearlet transform and sparse representation. Neurocomputing, 2017, 226, 182-191.	3.5	102
829	Multidimensional Nonseparable Oversampled Lapped Transforms: Theory and Design. IEEE Transactions on Signal Processing, 2017, 65, 1251-1264.	3.2	20
830	Fusion of PET and MR Brain Images Based on IHS and Log-Gabor Transforms. IEEE Sensors Journal, 2017, 17, 6995-7010.	2.4	30
831	QUALITY ASSESSMENT OF MEDICAL IMAGE COMPRESSED BY CONTOURLET QUINCUNX AND SPIHT CODING. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750097.	0.3	4
832	Anatomical-Functional Image Fusion by Information of Interest in Local Laplacian Filtering Domain. IEEE Transactions on Image Processing, 2017, 26, 5855-5866.	6.0	124
833	An image denoising method based on nonsubsampled contourlet transform with SQP optimization. , 2017, , .		3
834	A framework based on hidden Markov trees for multimodal <scp>PET</scp>/<scp>CT</scp> image coâ€segmentation. Medical Physics, 2017, 44, 5835-5848.	1.6	9
835	An efficient and automatic glioblastoma brain tumor detection using shiftâ€invariant shearlet transform and neural networks. International Journal of Imaging Systems and Technology, 2017, 27, 216-226.	2.7	21

#	Article	IF	Citations
836	Enhancement of Perivascular Spaces in 7â€‰T MR Image using Haar Transform of Non-local Cubes and Block-matching Filtering. Scientific Reports, 2017, 7, 8569.	1.6	29
837	The application of nonlocal total variation in image denoising for mobile transmission. Multimedia Tools and Applications, 2017, 76, 17179-17191.	2.6	23
838	Analysis of synthetic aperture radar image enchancement algorithm. , 2017, , .		1
839	A multi-focus color image fusion algorithm based on an adaptive SF-PCNN in NSCT domain. Proceedings of SPIE, 2017, , .	0.8	1
840	A medical image fusion method based on SIST and adaptive PCNN. , 2017, , .		5
841	Image fusion method based on the local neighborhood feature and nonsubsampled contourlet transform. , 2017, , .		0
842	Remote sensing image enhancement based on adaptive thresholding in NSCT domain. , 2017, , .		2
843	Multi-Focus Image Fusion via Clustering PCA Based Joint Dictionary Learning. IEEE Access, 2017, 5, 16985-16997.	2.6	29
844	A survey of infrared and visual image fusion methods. Infrared Physics and Technology, 2017, 85, 478-501.	1.3	190
845	Weighted contourlet binary patterns and image-based fisher linear discriminant for face recognition. Neurocomputing, 2017, 267, 436-446.	3.5	7
846	Feature enhancement for multi-polarimetric SAR images: A novel approach based on PDE and regularization. , 2017, , .		0
847	Image fusion based on object region detection and Non-Subsampled Contourlet Transform. Computers and Electrical Engineering, 2017, 62, 375-383.	3.0	50
848	An Efficient Multi-focus Image Fusion Approach Based on DWT. Lecture Notes in Electrical Engineering, 2017, , 45-52.	0.3	0
849	Image sharpening detection based on multiresolution overshoot artifact analysis. Multimedia Tools and Applications, 2017, 76, 16563-16580.	2.6	11
850	Crack detection in magnetic tile images using nonsubsampled shearlet transform and envelope gray level gradient. Optics and Laser Technology, 2017, 90, 7-17.	2.2	25
851	A social spider optimized image fusion approach for contrast enhancement and brightness preservation. Applied Soft Computing Journal, 2017, 52, 575-592.	4.1	42
852	Combination of PCA and Contourlets for Multispectral Image Fusion. Advances in Intelligent Systems and Computing, 2017, , 577-585.	0.5	12
853	Exposure fusion via sparse representation and shiftable complex directional pyramid transform. Multimedia Tools and Applications, 2017, 76, 15755-15775.	2.6	7

#	Article	IF	Citations
854	Digital watermark extraction in wavelet domain using hidden Markov model. Multimedia Tools and Applications, 2017, 76, 3731-3749.	2.6	26
855	Using Anatomic Magnetic Resonance Image Information to Enhance Visualization and Interpretation of Functional Images: A Comparison of Methods Applied to Clinical Arterial Spin Labeling Images. IEEE Transactions on Medical Imaging, 2017, 36, 487-496.	5.4	6
856	Image Fusion for Mars Data Using Mix of Robust PCA. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1754002.	0.7	3
857	Hybrid NSCT domain multiple watermarking for medical images. Multimedia Tools and Applications, 2017, 76, 3557-3575.	2.6	33
858	Technique for multi-focus image fusion based on fuzzy-adaptive pulse-coupled neural network. Signal, Image and Video Processing, 2017, 11, 439-446.	1.7	27
859	Fusion of local and non-local filters for denoising MRI images. , 2017, , .		2
860	Medical image fusion based on GPU accelerated nonsubsampled shearlet transform and 2D principal component analysis. , 2017, , .		0
861	MRI brain tumor images classification using K-means clustering, NSCT and SVM. , 2017, , .		15
862	A Novel Multi-Focus Image Fusion Method Based on Stationary Wavelet Transform and Local Features of Fuzzy Sets. IEEE Access, 2017, 5, 20286-20302.	2.6	56
863	Multi-Sensor Fusion Based on Local Activity Measure. IEEE Sensors Journal, 2017, 17, 7487-7496.	2.4	6
864	SAR image de-noising using local properties analysis and discrete non-separable shearlet transform. , 2017, , .		1
865	Multimodal medical image fusion using modified weight maps and guided filter. , 2017, , .		1
866	Combination of wavelet and contourlet transforms for PET and MRI image fusion. , 2017, , .		15
867	Fusion of infrared and visible images based on a hybrid decomposition via the guided and Gaussian filters. , 2017, , .		1
868	Edge enhancement of liver CT images using non subsampled shearlet transform based multislice fusion. , 2017, , .		5
869	Warp-Knitted Fabric Defect Segmentation Based on Non-Subsampled Wavelet-Based Contourlet Transform. Autex Research Journal, 2017, 17, 319-327.	0.6	0
870	Infrared-visible image fusion based on stacked sparse autoencoder and non-subsampled contourlet transform. , 2017, , .		0
871	Feature extraction using DPSO for medical image fusion based on NSCT. , 2017, , .		3

#	Article	IF	Citations
872	Bio-medical image fusion based on phase-congruency and guided filter. , 2017, , .		3
873	Non-subsampled contourlet transform & coherent point drift based registration of 2D gel electrophoresis images. , 2017, , .		0
874	Script Identification Based on Nonsubsampled Contourlet Transform. , 2017, , .		0
875	NSCTâ€based fusion method for forwardâ€looking sonar image mosaic. IET Radar, Sonar and Navigation, 2017, 11, 1512-1522.	0.9	7
876	Understanding Scenery Quality: A Visual Attention Measure and Its Computational Model. , 2017, , .		3
877	CS-MRA reconstruction based on nonsubsampled contourlet transform in frequency domain (NSCT-FD). , 2017, , .		0
878	Multi-focus image fusion using Gaussian filter and dynamic programming. , 2017, , .		3
879	Cellular automata based color image watermarking using NSCT and SVD. , 2017, , .		1
880	Patch-based salient region detection using statistical modeling in the non-subsampled contourlet domain. , 2017, , .		1
881	Method of Improved Fuzzy Contrast Combined Adaptive Threshold in NSCT for Medical Image Enhancement. BioMed Research International, 2017, 2017, 1-10.	0.9	17
883	A Novel Pan-Sharpening Framework Based on Matting Model and Multiscale Transform. Remote Sensing, 2017, 9, 391.	1.8	45
884	Airborne Infrared and Visible Image Fusion Combined with Region Segmentation. Sensors, 2017, 17, 1127.	2.1	27
885	Remote Sensing Image Change Detection Based on NSCT-HMT Model and Its Application. Sensors, 2017, 17, 1295.	2.1	14
886	Locally adaptive image denoising of â€œThe first satellite of high resolutionâ€•image based on generalized Gaussian distribution. , 2017, , .		0
887	Remote Sensing Image Enhancement Based on Non-Local Means Filter in NSCT Domain. Algorithms, 2017, 10, 116.	1.2	10
888	A robust hybrid video watermarking algorithm using NSCT and SVD. , 2017, , .		3
889	Medical Image Fusion Algorithm Based on Nonlinear Approximation of Contourlet Transform and Regional Features. Journal of Electrical and Computer Engineering, 2017, 2017, 1-9.	0.6	14
890	Image Fusion of CT and MR with Sparse Representation in NSST Domain. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-13.	0.7	16

#	Article	IF	Citations
891	Lithium-Ion Battery Capacity Estimation: A Method Based on Visual Cognition. Complexity, 2017, 2017, 1-13.	0.9	8
892	A Novel Fusion Framework Based on Adaptive PCNN in NSCT Domain for Whole-Body PET and CT Images. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-9.	0.7	6
893	Digital affine shear filter banks with 2-layer structure. , 2017, , .		1
894	An improved non-subsampled contourlet transform-based hybrid pan-sharpening algorithm. , 2017, , .		5
895	Fusion algorithm of infrared and visible images based on joint bilateral filter. , 2017, , .		1
896	Image fusion algorithm based on gradient similarity filter. , 2017, , .		1
897	Image denoising using shift-invariant techniques for camera images. , 2017, , .		0
898	A novel infrared and visible face fusion recognition method based on non-subsampled contourlet transform. , 2017, , .		2
899	Multiscale directional bilateral filter based clutter removal in GPR image analysis. , 2017, , .		4
900	A Novel Overlapping Fingerprint Partition and Reconstruction Based on Vector Flow Method. , 2017, , .		0
901	Image enhancement using thermal-visible fusion for human detection. Journal of Physics: Conference Series, 2017, 890, 012038.	0.3	0
902	FPGA Implementation of Non-Subsampled Shearlet Transform for Image Fusion. , 2017, , .		3
903	SAR Interferogram Filtering of Shearlet Domain Based on Interferometric Phase Statistics. Applied Sciences (Switzerland), 2017, 7, 141.	1.3	2
904	Detail-enhanced multimodality medical image fusion based on gradient minimization smoothing filter and shearing filter. Medical and Biological Engineering and Computing, 2018, 56, 1565-1578.	1.6	13
905	Remote Sensing Image Fusion Based on Adaptively Weighted Joint Detail Injection. IEEE Access, 2018, 6, 6849-6864.	2.6	27
906	Towards a tone mapping-robust watermarking algorithm for high dynamic range image based on spatial activity. Signal Processing: Image Communication, 2018, 65, 187-200.	1.8	10
907	An extensive review on Despeckling of medical ultrasound images using various transformation techniques. Applied Acoustics, 2018, 138, 18-27.	1.7	38
908	Note: Eliminating stripe artifacts in light-sheet fluorescence imaging. Review of Scientific Instruments, 2018, 89, 036107.	0.6	15

#	Article	IF	Citations
909	Joint medical image fusion, denoising and enhancement via discriminative low-rank sparse dictionaries learning. Pattern Recognition, 2018, 79, 130-146.	5.1	179
910	Multi-Sensor Image Fusion Based on Interval Type-2 Fuzzy Sets and Regional Features in Nonsubsampled Shearlet Transform Domain. IEEE Sensors Journal, 2018, 18, 2494-2505.	2.4	22
911	Non-subsampled contourlet domain image de-noising employing joint statistical model. Journal of Intelligent and Fuzzy Systems, 2018, 34, 721-731.	0.8	1
912	Sparse-Based Classification of Hyperspectral Images Using Extended Hidden Markov Random Fields. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4101-4112.	2.3	12
913	Practical remote sensing image fusion method based on guided filter and improved SML in the NSST domain. Signal, Image and Video Processing, 2018, 12, 959-966.	1.7	12
914	Image Adaptive Denoising Based on Nonsubsampled Contourlet Transform. Wireless Personal Communications, 2018, 103, 761-772.	1.8	0
915	Design of linear-phase nonsubsampled nonuniform directional filter bank with arbitrary directional partitioning. Journal of Visual Communication and Image Representation, 2018, 51, 23-28.	1.7	3
916	Hybrid image denoising method based on nonâ€subsampled contourlet transform and bandelet transform. IET Image Processing, 2018, 12, 778-784.	1.4	20
917	Digital Affine Shear Filter Banks With 2-Layer Structure and Their Applications in Image Processing. IEEE Transactions on Image Processing, 2018, 27, 3931-3941.	6.0	15
918	A novel fusion framework of visible light and infrared images based on singular value decomposition and adaptive DUAL-PCNN in NSST domain. Infrared Physics and Technology, 2018, 91, 153-163.	1.3	16
919	CT and MR image information fusion scheme using a cascaded framework in ripplet and NSST domain. IET Image Processing, 2018, 12, 696-707.	1.4	31
920	DC cable feature extraction based on the PD image in the non-subsampled contourlet transform domain. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 533-540.	1.8	16
921	Detection of Rock Discontinuity Traces Using Terrestrial LiDAR Data and Space-Frequency Transforms. Geotechnical and Geological Engineering, 2018, 36, 1745-1765.	0.8	20
922	Infrared Aerial Small Target Detection with NSCT and Two-Dimensional Property Histogram. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1850031.	0.7	7
923	Fusion of GFP and phase contrast images with complex shearlet transform and Haar waveletâ€based energy rule. Microscopy Research and Technique, 2018, 81, 569-578.	1.2	5
924	A Dynamic Graph Cuts Method with Integrated Multiple Feature Maps for Segmenting Kidneys in 2D Ultrasound Images. Academic Radiology, 2018, 25, 1136-1145.	1.3	32
925	Remote Sensing Image Fusion With Deep Convolutional Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1656-1669.	2.3	250
926	Compensation Details-Based Injection Model for Remote Sensing Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 734-738.	1.4	19

#	Article	IF	Citations
927	Visible and infrared image fusion using â„“0-generalized total variation model. Science China Information Sciences, 2018, 61, 1.	2.7	8
928	Multichannel image denoising using color monogenic curvelet transform. Soft Computing, 2018, 22, 635-644.	2.1	5
929	Video shot boundary detection using multiscale geometric analysis of nsct and least squares support vector machine. Multimedia Tools and Applications, 2018, 77, 8139-8161.	2.6	23
930	Multi-focus image fusion based on nonsubsampled compactly supported shearlet transform. Multimedia Tools and Applications, 2018, 77, 8327-8358.	2.6	5
931	Novel approach on fusion of multisensor images based on neutrosophic domain in consideration of regional relevance. Multimedia Tools and Applications, 2018, 77, 1843-1860.	2.6	0
932	Automatic video superimposed text detection based on Nonsubsampled Contourlet Transform. Multimedia Tools and Applications, 2018, 77, 7033-7049.	2.6	5
933	Blind multi-image super-resolution based on combination of ANN learning and non-subsampled Contourlet directional image representation. Signal, Image and Video Processing, 2018, 12, 25-31.	1.7	4
934	SVD-DCT Based Medical Image Watermarking in NSCT Domain. Studies in Big Data, 2018, , 467-488.	0.8	37
935	Phase unwrapping in digital holography based on non-subsampled contourlet transform. Optics Communications, 2018, 407, 367-374.	1.0	14
936	Multisensor Image Fusion and Enhancement in Spectral Total Variation Domain. IEEE Transactions on Multimedia, 2018, 20, 866-879.	5.2	111
937	Local contourlet tetra pattern for image retrieval. Signal, Image and Video Processing, 2018, 12, 591-598.	1.7	13
938	A Combined Detail Enhancing Algorithm and Texture Feature Extraction Method for Supervised Classification of Remote Sensing Images. Journal of the Indian Society of Remote Sensing, 2018, 46, 327-336.	1.2	4
939	Infrared and visual image fusion method based on discrete cosine transform and local spatial frequency in discrete stationary wavelet transform domain. Infrared Physics and Technology, 2018, 88, 1-12.	1.3	55
940	A novel image fusion algorithm using an NSCT and a PCNN with digital filtering. International Journal of Image and Data Fusion, 2018, 9, 82-94.	0.8	3
941	Low-Quality Medical Image Contours in Nonsubsampled Contourlet Domain. IFMBE Proceedings, 2018, , 345-349.	0.2	1
942	Change Detection in Remotely Sensed Images Based on Modified Log Ratio and Fuzzy Clustering. Smart Innovation, Systems and Technologies, 2018, , 412-419.	0.5	1
943	Image Restoration. Signals and Communication Technology, 2018, , 133-198.	0.4	2
944	A novel brain image enhancement method based on nonsubsampled contourlet transform. International Journal of Imaging Systems and Technology, 2018, 28, 124-131.	2.7	9

#	Article	IF	Citations
945	Evaluation of pavement surface drainage using an automated image acquisition and processing system. Automation in Construction, 2018, 86, 240-255.	4.8	29
946	Multiresolution Monogenic Wavelet Transform Combined with Bivariate Shrinkage Functions for Color Image Denoising. Circuits, Systems, and Signal Processing, 2018, 37, 1162-1176.	1.2	10
947	MRI and PET image fusion using structure tensor and dual ripplet-II transform. Multimedia Tools and Applications, 2018, 77, 22649-22670.	2.6	29
948	A New Visible and Infrared Image Fusion Algorithm Based on NSCT. , 2018, , .		2
949	A Hybrid Multimodal Medical Image Fusion Technique for CT and MRI Brain Images. International Journal of Computer Vision and Image Processing, 2018, 8, 1-15.	0.3	8
950	Image fusion based on shift invariant shearlet transform and stacked sparse autoencoder. Journal of Algorithms and Computational Technology, 2018, 12, 73-84.	0.4	4
951	A low complexity secure force encryption based multiple image watermarking in NSCT domain. , 2018, , .		4
952	An Image Enhancement Method Based on Non-Subsampled Shearlet Transform and Directional Information Measurement. Information (Switzerland), 2018, 9, 308.	1.7	6
953	Extracting Painted Pottery Pattern Information Based on Deep Learning. , 2018, , .		0
954	Script Identification of Central Asia Based on Fused Texture Features. , 2018, , .		1
955	Breast Cancer Cell-Nuclei Extraction Using Modified Multi-Phase Level Sets. , 2018, , .		0
956	Zero-Watermarking in Transform Domain and Quadtree Decomposition for Under Water Images Captured by Robot. Procedia Computer Science, 2018, 133, 385-392.	1.2	5
957	Detection of Pavement Cracks Based on Non-local Image Denoising and Enhancement. , 2018, , .		1
958	A Modified Objective Quality Index for Image Fusion. , 2018, , .		0
959	Nonsubsampled Contourlet Domain Fusion Approach for Infrared and Visible Fire Images. , 2018, , .		3
960	Fusion Method for Infrared and Visible Light Images Utilizing SWT and NSCT. , 2018, , .		0
961	Salient region detection using feature extraction in the nonâ€subsampled contourlet domain. IET Image Processing, 2018, 12, 2275-2282.	1.4	4
962	Wind Direction Extraction from Sar Images Using Nsct Transform. , 2018, , .		0

#	Article	IF	Citations
963	SAR image change detection based on equal weight image fusion and adaptive threshold in the NSST domain. European Journal of Remote Sensing, 2018, 51, 785-794.	1.7	7
964	Liver Segmentation using Bidirectional Region Growing with Edge Enhancement in NSCT Domain. , 2018, , .		2
965	A Multi-Direction Subbands and Deep Neural Networks Bassed Pan-Sharpening Method. , 2018, , .		1
966	Bone Age Assessment with X-Ray Images Based on Contourlet Motivated Deep Convolutional Networks. , 2018, , .		4
967	Strong robust zero watermarking algorithm based on NSCT transform and image normalization. , 2018, , .		9
968	Optimal multiâ€scale geometric fusion based on nonâ€subsampled contourlet transform and modified central force optimization. International Journal of Imaging Systems and Technology, 2019, 29, 4-18.	2.7	23
969	On Combination of Fuzzy Memberships for Medical Image Fusion using NSST based Fuzzy-PCNN. , 2018, , .		3
970	SAR Image Change Detection Using Saliency Extraction and Shearlet Transform. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4701-4710.	2.3	19
971	Medical Image Fusion Using Non-subsampled Shearlet Transform and Improved PCNN. Lecture Notes in Computer Science, 2018, , 635-645.	1.0	4
972	Multi-focus image fusion algorithm based on focus detection in spatial and NSCT domain. PLoS ONE, 2018, 13, e0204225.	1.1	10
973	Multi-focus: Focused region finding and multi-scale transform for image fusion. Neurocomputing, 2018, 320, 157-170.	3.5	36
974	The NSCT-HMT Model of Remote Sensing Image Based on Gaussian-Cauchy Mixture Distribution. IEEE Access, 2018, 6, 66007-66019.	2.6	6
975	Beta Chaotic Map Based Image Encryption Using Genetic Algorithm. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850132.	0.7	43
976	Medical Image Fusion based on Frei-Chen Masks in NSST Domain. , 2018, , .		5
977	Nonsubsampled contourlet domain visible and infrared image fusion framework for fire detection using pulse coupled neural network and spatial fuzzy clustering. Fire Safety Journal, 2018, 101, 84-101.	1.4	21
978	Microscopy mineral image enhancement based on improved adaptive threshold in nonsubsampled shearlet transform domain. AIP Advances, 2018, 8, 035002.	0.6	8
979	Efficient image steganography using graph signal processing. IET Image Processing, 2018, 12, 1065-1071.	1.4	25
980	General fusion method for infrared and visual images via latent low-rank representation and local non-subsampled shearlet transform. Infrared Physics and Technology, 2018, 92, 68-77.	1.3	24

#	Article	IF	Citations
981	Pansharpening for Multiband Images With Adaptive Spectralâ€"Intensity Modulation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3196-3208.	2.3	19
982	Comparative study of feature extraction using several wavelet transforms for source camera identification. , 2018, , .		1
983	Multi-focus image fusion based on edges and focused region extraction. Optik, 2018, 171, 611-624.	1.4	12
984	Infrared and Visible Image Fusion Combining Interesting Region Detection and Nonsubsampled Contourlet Transform. Journal of Sensors, 2018, 2018, 1-15.	0.6	5
985	Infrared and visible image fusion using co-occurrence filter. Infrared Physics and Technology, 2018, 93, 223-231.	1.3	34
986	NSCTâ€PCNN image fusion based on image gradient motivation. IET Computer Vision, 2018, 12, 377-383.	1.3	24
987	Multi-Focus Image Fusion Using Cross Bilateral Filter in NSCT Domain. , 2018, , .		1
988	Multi-resolution transforms-based hybrid feature extraction technique for differentiating glioma grades. International Journal of Wavelets, Multiresolution and Information Processing, 2018, 16, 1850048.	0.9	0
989	Poissonâ€"Gaussian Noise Analysis and Estimation for Low-Dose X-ray Images in the NSCT Domain. Sensors, 2018, 18, 1019.	2.1	36
990	Structure-aware image fusion. Optik, 2018, 172, 1-11.	1.4	61
991	Adaptive fusion framework of infrared and visual image using saliency detection and improved dual-channel PCNN in the LNSST domain. Infrared Physics and Technology, 2018, 92, 30-43.	1.3	12
992	Multispectral medical image fusion scheme based on hybrid contourlet and shearlet transform domains. Review of Scientific Instruments, 2018, 89, 084301.	0.6	9
993	Infrared and Visible Images Fusion with Multi-visual Cues. Sensing and Imaging, 2018, 19, 1.	1.0	0
994	Multimodal sensor medical image fusion based on nonsubsampled shearlet transform and S-PCNNs in HSV space. Signal Processing, 2018, 153, 379-395.	2.1	62
995	Infrared and visible image fusion based on NSCT and stacked sparse autoencoders. Multimedia Tools and Applications, 2018, 77, 22407-22431.	2.6	12
996	A Segmentation Method for High Spatial Resolution Remote Sensing Images Based on the Fusion of Multifeatures. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1274-1278.	1.4	7
997	Colour image encryption technique using differential evolution in nonâ€subsampled contourlet transform domain. IET Image Processing, 2018, 12, 1273-1283.	1.4	36
998	A Contrast Enhancement Method for Improving Surface Defects Detection of Elevator Compensation Chain. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1954011.	0.7	1

#	Article	IF	Citations
999	Technical Information. SpringerBriefs in Applied Sciences and Technology, 2019, , 11-21.	0.2	1
1000	Infrared and visible images fusion using visual saliency and optimized spiking cortical model in non-subsampled shearlet transform domain. Multimedia Tools and Applications, 2019, 78, 28609-28632.	2.6	31
1001	Range-gated imaging in turbid conditions using a combination of intensity and polarization information. Physica Scripta, 2019, 94, 105505.	1.2	5
1002	A Framelet-Based SFIM Method to Pan-Sharpen THEOS Imagery. Journal of the Indian Society of Remote Sensing, 2019, 47, 1417-1429.	1.2	2
1003	Zernike moments-based fingerprint recognition using weighted-support vector machine. Modern Physics Letters B, 2019, 33, 1950245.	1.0	11
1004	Denoising Method for Passive Photon Counting Images Based on Block-Matching 3D Filter and Non-Subsampled Contourlet Transform. Sensors, 2019, 19, 2462.	2.1	10
1005	Wide or Narrow? A Visual Attention Inspired Model for View-Type Classification. IEEE Access, 2019, 7, 48725-48738.	2.6	3
1006	BEMD image fusion based on PCNN and compressed sensing. Soft Computing, 2019, 23, 10045-10054.	2.1	5
1007	Efficient multi-scale non-sub-sampled shearlet fusion system based on modified central force optimization and contrast enhancement. Infrared Physics and Technology, 2019, 102, 102975.	1.3	29
1008	Automatic building change image quality assessment in high resolution remote sensing based on deep learning. Journal of Visual Communication and Image Representation, 2019, 63, 102585.	1.7	18
1009	A multi-algorithm block fusion method based on set-valued mapping for dual-modal infrared images. Infrared Physics and Technology, 2019, 102, 102977.	1.3	9
1010	Computer aided tool for automatic detection and delineation of nucleus from oral histopathology images for OSCC screening. Applied Soft Computing Journal, 2019, 83, 105642.	4.1	11
1011	Coefficient difference based watermark detector in nonsubsampled contourlet transform domain. Information Sciences, 2019, 503, 274-290.	4.0	25
1012	A Segmentation-Cooperated Pansharpening Method Using Local Adaptive Spectral Modulation. Electronics (Switzerland), 2019, 8, 685.	1.8	3
1013	Two-Step Enhanced Deep Learning Approach for Electromagnetic Inverse Scattering Problems. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2254-2258.	2.4	83
1014	A Decision Support System (DSS) for Breast Cancer Detection Based on Invariant Feature Extraction, Classification, and Retrieval of Masses of Mammographic Images. , 2019, , .		0
1015	Block-Extraction and Haar Transform Based Linear Singularity Representation for Image Enhancement. Mathematical Problems in Engineering, 2019, 2019, 1-14.	0.6	0
1016	Multiscale Directional Fusion for Depth Map Super Resolution with Denoising. , 2019, , .		1

#	Article	IF	Citations
1017	MRI and PET/SPECT fusion with pseudo spatial frequency in local laplacian filter domain. , 2019, , .		0
1018	Medical image fusion based on saliency and adaptive similarity judgment. Personal and Ubiquitous Computing, 2023, 27, 2019-2025.	1.9	2
1019	Pansharpening With Joint Local Low Rank Decomposition and Hierarchical Geometric Filtering. IEEE Access, 2019, 7, 130578-130589.	2.6	1
1020	Medical image fusion based on modified pulse coupled neural network model and kirsch operator. International Journal of Wavelets, Multiresolution and Information Processing, 2019, 17, 1950052.	0.9	3
1021	Enhancement of hyperspectral remote sensing images based on improved fuzzy contrast in nonsubsampled shearlet transform domain. Multimedia Tools and Applications, 2019, 78, 18077-18094.	2.6	11
1022	Pairs trading strategies in a cointegration framework: back-tested on CFD and optimized by profit factor. Applied Economics, 2019, 51, 2436-2452.	1.2	11
1023	Image speckle noise denoising by a multi-layer fusion enhancement method based on block matching and 3D filtering. Imaging Science Journal, 2019, 67, 224-235.	0.2	11
1024	Iterative Bayesian denoising based on variance stabilization using Contourlet Transform with Sharp Frequency Localization: application to EFTEM images. BMC Biomedical Engineering, 2019, 1, 13.	1.7	2
1025	Locally optimum image watermark decoder by modeling NSCT domain difference coefficients with vector based Cauchy distribution. Journal of Visual Communication and Image Representation, 2019, 62, 309-329.	1.7	24
1026	Single Image Defogging Based on Multi-Channel Convolutional MSRCR. IEEE Access, 2019, 7, 72492-72504.	2.6	71
1027	Analysis of Transform-Based Features on Lateral View Breast Thermograms. Circuits, Systems, and Signal Processing, 2019, 38, 5734-5754.	1.2	6
1028	Marine Floating Raft Aquaculture Detection of GF-3 PolSAR Images Based on Collective Multikernel Fuzzy Clustering. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2741-2754.	2.3	25
1029	A novel fusion framework of infrared and visible images based on RLNSST and guided filter. Infrared Physics and Technology, 2019, 100, 99-108.	1.3	10
1030	Infrared Dim Target Detection Using Shearletâ€™s Kurtosis Maximization under Non-Uniform Background. Symmetry, 2019, 11, 723.	1.1	18
1031	Design of 2D Checkboard Nonuniform Directional Filter Banks and Its Application to Image Nonlinear Approximation. Communications in Computer and Information Science, 2019, , 45-54.	0.4	0
1032	Image Compression with Reversible Image Watermarking Scheme Based on Non-subsampled Contourlet Transform and Singular Value Decomposition. , 2019, , .		0
1033	Enhancing Image Watermarking With Adaptive Embedding Parameter and PSNR Guarantee. IEEE Transactions on Multimedia, 2019, 21, 2447-2460.	5.2	59
1034	The PAN and MS Image Pansharpening Algorithm Based on Adaptive Neural Network and Sparse Representation in the NSST Domain. IEEE Access, 2019, 7, 52508-52521.	2.6	25

#	Article	IF	Citations
1035	Multifocus Image Fusion Based on Fast Guided Filter and Focus Pixels Detection. IEEE Access, 2019, 7, 50780-50796.	2.6	12
1036	Interval type-2 fuzzy set and human vision based multi-scale geometric analysis for text-graphics segmentation. Multimedia Tools and Applications, 2019, 78, 22939-22957.	2.6	5
1037	Remote Sensing Image Matching Based Improved ORB in NSCT Domain. Journal of the Indian Society of Remote Sensing, 2019, 47, 801-807.	1.2	24
1038	A New Pulse Coupled Neural Network (PCNN) for Brain Medical Image Fusion Empowered by Shuffled Frog Leaping Algorithm. Frontiers in Neuroscience, 2019, 13, 210.	1.4	53
1039	An image watermarking method based on visual saliency and contourlet transform. Optik, 2019, 186, 379-389.	1.4	14
1040	Multi-Resolution Parallel Magnetic Resonance Image Reconstruction in Mobile Computing-Based IoT. IEEE Access, 2019, 7, 15623-15633.	2.6	9
1041	An automatic vision inspection system for detecting surface cracks of welding joint. Journal of Computational Methods in Sciences and Engineering, 2019, 19, 635-646.	0.1	2
1042	Catenary image denoising method using lifting wavelet-based contourlet transform with cycle shift-invariance. International Journal of Wavelets, Multiresolution and Information Processing, 2019, 17, 1850060.	0.9	3
1043	A bio-inspired motion sensitive model and its application to estimating human gaze positions under classified driving conditions. Neurocomputing, 2019, 345, 23-35.	3.5	13
1044	How Can Despeckling and Structural Features Benefit to Change Detection on Bitemporal SAR Images?. Remote Sensing, 2019, 11, 421.	1.8	14
1045	A multi-scale data fusion framework for bone age assessment with convolutional neural networks. Computers in Biology and Medicine, 2019, 108, 161-173.	3.9	30
1046	Infrared and visible image fusion based on BEMSD and improved fuzzy set. Infrared Physics and Technology, 2019, 98, 201-211.	1.3	11
1047	A Novel Joint Change Detection Approach Based on Weight-Clustering Sparse Autoencoders. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 685-699.	2.3	13
1048	Multifocus image fusion using random forest and hidden Markov model. Soft Computing, 2019, 23, 9385-9396.	2.1	6
1049	Improved Wavelet Denoising by Non-Convex Sparse Regularization Under Double Wavelet Domains. IEEE Access, 2019, 7, 30659-30671.	2.6	28
1050	High frequency assisted fusion for infrared and visible images through sparse representation. Infrared Physics and Technology, 2019, 98, 212-222.	1.3	6
1051	Wavelet Deep Neural Network for Stripe Noise Removal. IEEE Access, 2019, 7, 44544-44554.	2.6	67
1052	MRI Watermarking Technique Using Chaotic Maps, NSCT and DCT. , 2019, , .		7

#	Article	IF	Citations
1053	MRI and PET image fusion using the nonparametric density model and the theory of variable-weight. Computer Methods and Programs in Biomedicine, 2019, 175, 73-82.	2.6	24
1054	Poisson Reconstruction-Based Fusion of Infrared and Visible Images via Saliency Detection. IEEE Access, 2019, 7, 20676-20688.	2.6	15
1055	Image classification method rationally utilizing spatial information of the image. Multimedia Tools and Applications, 2019, 78, 19181-19199.	2.6	6
1056	An improved multimodal medical image fusion scheme based on hybrid combination of nonsubsampled contourlet transform and stationary wavelet transform. International Journal of Imaging Systems and Technology, 2019, 29, 146-160.	2.7	35
1057	A Phase Congruency and Local Laplacian Energy Based Multi-Modality Medical Image Fusion Method in NSCT Domain. IEEE Access, 2019, 7, 20811-20824.	2.6	240
1058	Marine Multi-Target Detection Based on Improved Wavelet Transform. , 2019, , .		3
1059	Weighted Multimodal Biometric Recognition Algorithm Based on Histogram of Contourlet Oriented Gradient Feature Description. , 2019, , .		0
1060	Multi-focus Image Fusion Method Based on MCA and Focus Region Detection. , 2019, , .		0
1061	Vector extension of quaternion wavelet transform and its application to colour image denoising. IET Signal Processing, 2019, 13, 133-140.	0.9	5
1062	Fusion Method Based on Non-Subsampled Contourlet Transform and Fuzzy Biochemical Ion Exchange Model. , 2019, , .		0
1063	Random Noise Redunction of Seismic Data in NSCT Domain. , 2019, , .		1
1064	Color image fusion utilizing NSCT and YUV transform. , 2019, , .		0
1065	Single Image Super-Resolution Technique using Precision learning of Low Resolution Images. , 2019, , .		0
1066	A Machine Learning Algorithm for No Reference Image Quality Assessment using Non-Subsampled Contourlet and Curvelet Transform. , 2019, , .		0
1067	Directional relative total variation for structureâ€“texture decomposition. IET Image Processing, 2019, 13, 1835-1845.	1.4	3
1068	A Novel Infrared and Visible Image Information Fusion Method Based on Phase Congruency and Image Entropy. Entropy, 2019, 21, 1135.	1.1	38
1069	A SAR/Infrared Image Fusion Method Based on NSCT and PCNN. , 2019, , .		1
1070	A Method for Road Extraction from High-Resolution Remote Sensing Images Based on Multi-Kernel Learning. Information (Switzerland), 2019, 10, 385.	1.7	1

#	Article	IF	Citations
1071	Image Fusion via Domain and Feature Transfer. , 2019, , .		0
1072	Detection of Intoxicated Person using Thermal Infrared Images. , 2019, , .		0
1073	Borehole Image Classification Using NSCT, Hu moment invariants and SVM based APBCS System. , 2019, , .		2
1074	A New Method for Detecting Architectural Distortion in Mammograms by NonSubsampled Contourlet Transform and Improved PCNN. Applied Sciences (Switzerland), 2019, 9, 4916.	1.3	5
1075	MAD-based Estimation of the Noise Level in the Contourlet Domain. Automatic Control and Computer Sciences, 2019, 53, 461-470.	0.4	0
1076	High-Resolution SAR Change Detection Based on ROI and SPP Net. IEEE Access, 2019, 7, 177009-177022.	2.6	12
1077	Sar and Optical Image Fusion for Coastal Surveillance. , 2019, , .		1
1078	Fusion Evaluation of X-Ray Backscatter Image and Holographic Subsurface Radar Image. , 2019, , .		0
1079	Joint Framework for Image Fusion and Super-Resolution via Multicomponent Analysis and Residual Compensation. IEEE Access, 2019, 7, 174092-174107.	2.6	5
1080	Pansharpening with a Gradient Domain GIF Based on NSST. Electronics (Switzerland), 2019, 8, 229.	1.8	4
1081	A Novel Partial Discharge Detection Method Based on the Photoelectric Fusion Pattern in GIL. Energies, 2019, 12, 4120.	1.6	4
1082	Multimodal Sensor Medical Image Fusion Based on Local Difference in Non-Subsampled Domain. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 938-951.	2.4	42
1083	Multi-focus image fusion with alternating guided filtering. Signal, Image and Video Processing, 2019, 13, 727-735.	1.7	21
1084	Infrared and low-light-level image fusion based on â„“2-energy minimization and mixed-â„“1-gradient regularization. Infrared Physics and Technology, 2019, 96, 163-173.	1.3	5
1085	Brain CT and MRI medical image fusion using convolutional neural networks and a dual-channel spiking cortical model. Medical and Biological Engineering and Computing, 2019, 57, 887-900.	1.6	72
1086	Weighted Tensor Schatten p-norm Minimization for Image Denoising. Lecture Notes in Electrical Engineering, 2019, , 163-172.	0.3	1
1087	Speckle noise removal in SAR images using Multi-Objective PSO (MOPSO) algorithm. Applied Soft Computing Journal, 2019, 76, 671-681.	4.1	37
1088	Efficient edgeâ€preserved sonar image enhancement method based on CVT for object recognition. IET Image Processing, 2019, 13, 15-23.	1.4	12

#	Article	IF	Citations
1089	Joint Weighted Tensor Schatten p -Norm and Tensor l_p -Norm Minimization for Image Denoising. IEEE Access, 2019, 7, 20273-20280.	2.6	9
1090	An image segmentation technique using nonsubsampled contourlet transform and active contours. Soft Computing, 2019, 23, 1823-1832.	2.1	4
1091	Multimodal neurological image fusion based on adaptive biological inspired neural model in nonsubsampled Shearlet domain. International Journal of Imaging Systems and Technology, 2019, 29, 50-64.	2.7	22
1092	Speech and music classification using spectrogram based statistical descriptors and extreme learning machine. Multimedia Tools and Applications, 2019, 78, 15141-15168.	2.6	15
1093	Fragile watermarking for copyright authentication and tamper detection of medical images using compressive sensing (CS) based encryption and contourlet domain processing. Multimedia Tools and Applications, 2019, 78, 13905-13924.	2.6	37
1094	Mining painted cultural relic patterns based on principal component images selection and image fusion of hyperspectral images. Journal of Cultural Heritage, 2019, 36, 32-39.	1.5	25
1095	Image Denoising method based on NSCT bivariate model and Variational Bayes threshold estimation. Multimedia Tools and Applications, 2019, 78, 8927-8941.	2.6	6
1096	A novel medical image enhancement algorithm based on improvement correction strategy in wavelet transform domain. Cluster Computing, 2019, 22, 10969-10977.	3.5	11
1097	A spatio-frequency orientational energy based medical image fusion using non-sub sampled contourlet transform. Cluster Computing, 2019, 22, 11193-11205.	3.5	7
1098	Multi-focus image fusion combining focus-region-level partition and pulse-coupled neural network. Soft Computing, 2019, 23, 4685-4699.	2.1	24
1099	Weibull statistical modeling for textured image retrieval using nonsubsampled contourlet transform. Soft Computing, 2019, 23, 4749-4764.	2.1	11
1100	Infrared and visible image fusion methods and applications: A survey. Information Fusion, 2019, 45, 153-178.	11.7	904
1101	Medical image fusion using type-2 fuzzy and near-fuzzy set approach. International Journal of Computers and Applications, 2020, 42, 399-414.	0.8	1
1102	SPIHTâ€based multiple image watermarking in NSCT domain. Concurrency Computation Practice and Experience, 2020, 32, e4912.	1.4	35
1103	Dynamic Texture Segmentation Approaches for Natural and Manmade Cases: Survey and Experimentation. Archives of Computational Methods in Engineering, 2020, 27, 285-297.	6.0	1
1104	Discriminative Dictionary Learning-Based Multiple Component Decomposition for Detail-Preserving Noisy Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1082-1102.	2.4	61
1105	A novel medical image fusion by combining TV-L1 decomposed textures based on adaptive weighting scheme. Engineering Science and Technology, an International Journal, 2020, 23, 225-239.	2.0	19
1106	Fast curvelet transform through genetic algorithm for multimodal medical image fusion. Soft Computing, 2020, 24, 1815-1836.	2.1	79

#	Article	IF	Citations
1107	Image classification with an RGB-channel nonsubsampled contourlet transform and a convolutional neural network. Neurocomputing, 2020, 396, 266-277.	3.5	10
1108	A Modified Framework for Multislice Image Fusion for High Contrast Liver Cancer Detection. IETE Journal of Research, 2020, 66, 139-149.	1.8	2
1109	Analysis-synthesis dictionary pair learning and patch saliency measure for image fusion. Signal Processing, 2020, 167, 107327.	2.1	21
1110	3D shape reconstruction from multifocus image fusion using a multidirectional modified Laplacian operator. Pattern Recognition, 2020, 98, 107065.	5.1	26
1111	Image denoising review: From classical to state-of-the-art approaches. Information Fusion, 2020, 55, 220-244.	11.7	218
1112	A Single-Image Super-Resolution Method Based on Progressive-Iterative Approximation. IEEE Transactions on Multimedia, 2020, 22, 1407-1422.	5.2	21
1113	Infrared and visible image fusion via hybrid decomposition of NSCT and morphological sequential toggle operator. Optik, 2020, 201, 163497.	1.4	28
1114	Fusion of misâ€registered GFP and phase contrast images with convolutional sparse representation and adaptive region energy rule. Microscopy Research and Technique, 2020, 83, 35-47.	1.2	4
1115	A novel multi-focus image fusion method using multiscale shearing non-local guided averaging filter. Signal Processing, 2020, 166, 107252.	2.1	22
1116	Exemplar-Based Denoising: A Unified Low-Rank Recovery Framework. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2538-2549.	5.6	38
1117	A Novel Despeckling Method for Medical Ultrasound Images Based on the Nonsubsampled Shearlet and Guided Filter. Circuits, Systems, and Signal Processing, 2020, 39, 1449-1470.	1.2	4
1118	Research on fundus image registration and fusion method based on nonsubsampled contourlet and adaptive pulse coupled neural network. Multimedia Tools and Applications, 2020, 79, 34795-34812.	2.6	1
1119	Multi-modality medical image fusion based on separable dictionary learning and Gabor filtering. Signal Processing: Image Communication, 2020, 83, 115758.	1.8	29
1120	Brain Medical Image Fusion Using L2-Norm-Based Features and Fuzzy-Weighted Measurements in 2-D Littlewoodâ€"Paley EWT Domain. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5900-5913.	2.4	32
1121	A Review of Multi-resolution Analysis (MRA) and Multi-geometric Analysis (MGA) Tools Used in the Fusion of Remote Sensing Images. Circuits, Systems, and Signal Processing, 2020, 39, 3145-3172.	1.2	17
1122	Infrared and visual image fusion based on multi-scale feature decomposition. Optik, 2020, 203, 163900.	1.4	24
1123	Remote Sensing Image Fusion Based on Fuzzy Logic and Salience Measure. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1943-1947.	1.4	21
1124	An image NSCT-HMT model based on copula entropy multivariate Gaussian scale mixtures. Knowledge-Based Systems, 2020, 193, 105387.	4.0	4

#	Article	IF	Citations
1125	A nonsubsampled countourlet transform based CNN for real image denoising. Signal Processing: Image Communication, 2020, 82, 115727.	1.8	16
1126	Towards perceptual image fusion: A novel two-layer framework. Information Fusion, 2020, 57, 102-114.	11.7	13
1127	Complex Contourlet-CNN for polarimetric SAR image classification. Pattern Recognition, 2020, 100, 107110.	5.1	44
1128	Infrared and visible image fusion based on intuitionistic fuzzy sets. Infrared Physics and Technology, 2020, 105, 103124.	1.3	21
1129	Low-Frequency Desert Noise Intelligent Suppression in Seismic Data Based on Multiscale Geometric Analysis Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 650-665.	2.7	28
1130	Image fuzzy enhancement algorithm based on contourlet transform domain. Multimedia Tools and Applications, 2020, 79, 35017-35032.	2.6	6
1131	Two-stage sparse representation of NSCT features with application to SAR target classification. Journal of Electromagnetic Waves and Applications, 2020, 34, 2371-2384.	1.0	1
1132	Infrared and visible image fusion via global variable consensus. Image and Vision Computing, 2020, 104, 104037.	2.7	4
1133	Change Detection in Multispectral Remote Sensing Images with Leader Intelligence PSO and NSCT Feature Fusion. ISPRS International Journal of Geo-Information, 2020, 9, 462.	1.4	3
1134	Blind watermarking scheme based on Schur decomposition and non-subsampled contourlet transform. Multimedia Tools and Applications, 2020, 79, 30007-30021.	2.6	15
1135	A robust watermarking approach for security issue of binary documents using fully convolutional networks. International Journal on Document Analysis and Recognition, 2020, 23, 219-239.	2.7	5
1136	A review on the wavelet methods for sonar image segmentation. International Journal of Advanced Robotic Systems, 2020, 17, 172988142093609.	1.3	9
1137	PolSAR Image Classification Based on Low-Frequency and Contour Subbands-Driven Polarimetric SENet. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4760-4773.	2.3	20
1138	Pansharpening Based on Low-Rank Fuzzy Fusion and Detail Supplement. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5466-5479.	2.3	13
1139	Light Field Reconstruction With a Hybrid Sparse Regularization-Pseudo 4DCNN Framework. IEEE Access, 2020, 8, 171009-171020.	2.6	2
1140	A Line Objects Recognition Algorithm based on Non-subsampled Contourlet Transform. , 2020, , .		3
1141	An Enhanced Image Fusion Algorithm by Combined Histogram Equalization and Fast Gray Level Grouping Using Multi-Scale Decomposition and Gray-PCA. IEEE Access, 2020, 8, 157005-157021.	2.6	12
1142	Fusion of 3-D medical image gradient domain based on detail-driven and directional structure tensor. Journal of X-Ray Science and Technology, 2020, 28, 1001-1016.	0.7	5

#	Article	IF	Citations
1143	CNN based tool monitoring system to predict life of cutting tool. SN Applied Sciences, 2020, 2, 1.	1.5	28
1144	Pan-sharpening via multi-scale and multiple deep neural networks. Signal Processing: Image Communication, 2020, 85, 115850.	1.8	11
1145	Fractal dimension based parameter adaptive dual channel PCNN for multi-focus image fusion. Optics and Lasers in Engineering, 2020, 133, 106141.	2.0	51
1146	NSCT-Based Robust and Perceptual Watermarking for DIBR 3D Images. IEEE Access, 2020, 8, 93760-93781.	2.6	7
1147	A Learning-Based Image Fusion for High-Resolution SAR and Panchromatic Imagery. Applied Sciences (Switzerland), 2020, 10, 3298.	1.3	2
1148	Medical Image Super-Resolution Via Granular Multi-Scale Network In Nsct Domain. , 2020, , .		4
1149	A novel approach for multi-focus image fusion based on SF-PAPCNN and ISML in NSST domain. Multimedia Tools and Applications, 2020, 79, 24303-24328.	2.6	22
1150	NSST and vectorâ€valued Câ€"V model based image segmentation algorithm. IET Image Processing, 2020, 14, 1614-1620.	1.4	8
1151	A Hyperspectral Image NSST-HMF Model and Its Application in HS-Pansharpening. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4803-4817.	2.7	8
1152	Vague set theory based segmented image fusion technique for analysis of anatomical and functional images. Expert Systems With Applications, 2020, 159, 113592.	4.4	12
1153	Infrared and visible image fusion via gradientlet filter. Computer Vision and Image Understanding, 2020, 197-198, 103016.	3.0	46
1154	Improved contourlet transform construction and its application to surface defect recognition of metals. Multidimensional Systems and Signal Processing, 2020, 31, 951-964.	1.7	5
1155	A Survey on Computer-Aided Diagnosis of Brain Disorders through MRI Based on Machine Learning and Data Mining Methodologies with an Emphasis on Alzheimer Disease Diagnosis and the Contribution of the Multimodal Fusion. Applied Sciences (Switzerland), 2020, 10, 1894.	1.3	24
1156	Infrared small target detection based on non-subsampled shearlet transform and phase spectrum of quaternion Fourier transform. Optical and Quantum Electronics, 2020, 52, 1.	1.5	10
1157	Ferrite Magnetic Tile Defects Detection Based on Nonsubsampled Contourlet Transform and Texture Feature Measurement. Russian Journal of Nondestructive Testing, 2020, 56, 386-395.	0.3	3
1158	A Novel Zero-Watermarking Scheme Based on Variable Parameter Chaotic Mapping in NSPD-DCT Domain. IEEE Access, 2020, 8, 182391-182411.	2.6	22
1159	Two-scale decomposition-based multifocus image fusion framework combined with image morphology and fuzzy set theory. Information Sciences, 2020, 541, 442-474.	4.0	15
1160	Multi-focus image fusion: A Survey of the state of the art. Information Fusion, 2020, 64, 71-91.	11.7	175

#	Article	IF	Citations
1161	Seismic Random Noise Attenuation Based on PCC Classification in Transform Domain. IEEE Access, 2020, 8, 30368-30377.	2.6	4
1162	Novel fusion method for SAR and optical images based on non-subsampled shearlet transform. International Journal of Remote Sensing, 2020, 41, 4590-4604.	1.3	22
1163	Spatially adaptive polarimetric image despeckling using bandelet transform. European Journal of Remote Sensing, 2020, 53, 73-81.	1.7	2
1164	Denoising of Uncertain Type Noise Images by Spatial Feature Classification in Nonsubsampled Shearlet Transform. IEEE Access, 2020, 8, 5009-5021.	2.6	1
1165	A Novel Circular Flexible Multiscale Geometric Analysis Method. IEEE Access, 2020, 8, 31295-31305.	2.6	0
1166	Adaptive Background Suppression Method Based on Intelligent Optimization for IR Small Target Detection Under Complex Cloud Backgrounds. IEEE Access, 2020, 8, 36930-36947.	2.6	4
1167	Side-Scan Sonar Image Fusion Based on Sum-Modified Laplacian Energy Filtering and Improved Dual-Channel Impulse Neural Network. Applied Sciences (Switzerland), 2020, 10, 1028.	1.3	7
1168	VIF-Net: An Unsupervised Framework for Infrared and Visible Image Fusion. IEEE Transactions on Computational Imaging, 2020, 6, 640-651.	2.6	136
1169	Multiband Remote Sensing Image Pansharpening Based on Dual-Injection Model. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1888-1904.	2.3	15
1170	A Review of Multimodal Medical Image Fusion Techniques. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-16.	0.7	84
1171	NVST chromosphere data interference fringes removal based on NSCT and PCA. Astronomy and Computing, 2020, 30, 100366.	0.8	3
1172	Performance degradation assessment for aircraft environmental control system: A method based on visual cognition. ISA Transactions, 2021, 113, 64-80.	3.1	5
1173	Single spectrum image denoising via aggregation for intelligent monitoring system. Internet Technology Letters, 2021, 4, e188.	1.4	0
1174	Fast Blind Image Super Resolution Using Matrix-Variable Optimization. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 945-955.	5.6	14
1175	Composite material terahertz image fusion based on PCNN and RGEDIM under non-subsampled shearlet transform. Journal of Computational Methods in Sciences and Engineering, 2021, 21, 329-339.	0.1	1
1176	A novel multi-modal medical image fusion algorithm. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 1995-2002.	3.3	16
1177	NSCT-based robust image watermarking in DC components of APDCBT using singular value decomposition. Iran Journal of Computer Science, 2021, 4, 133-145.	1.8	5
1178	Improved partial differential equation-based total variation approach to non-subsampled contourlet transform for medical image denoising. Multimedia Tools and Applications, 2021, 80, 2663-2689.	2.6	32

#	Article	IF	Citations
1179	A new image restoration approach by combining empirical wavelet transform and total variation using chaotic squirrel search optimization. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2824.	1.2	2
1180	Alzheimerâ€™s disease classification using features extracted from nonsubsampled contourlet subband-based individual networks. Neurocomputing, 2021, 421, 260-272.	3.5	23
1181	Infrared and visible image fusion using modified spatial frequency-based clustered dictionary. Pattern Analysis and Applications, 2021, 24, 575-589.	3.1	4
1182	IHS-based pan-sharpening technique for visual quality improvement using KPCA and enhanced SML in the NSCT domain. International Journal of Remote Sensing, 2021, 42, 537-566.	1.3	4
1183	Multimodal image fusion based on point-wise mutual information. Image and Vision Computing, 2021, 105, 104047.	2.7	7
1184	Joint image fusion and super-resolution for enhanced visualization via semi-coupled discriminative dictionary learning and advantage embedding. Neurocomputing, 2021, 422, 62-84.	3.5	19
1185	Multi-modality medical image fusion technique using multi-objective differential evolution based deep neural networks. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 2483-2493.	3.3	64
1186	An Adaptive Arbitrary Multiresolution Decomposition for Multiscale Geometric Analysis. IEEE Transactions on Multimedia, 2021, 23, 2883-2893.	5.2	0
1187	Super-Resolution-Guided Progressive Pansharpening Based on a Deep Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5206-5220.	2.7	69
1188	An optimized SVM based possibilistic fuzzy c-means clustering algorithm for tumor segmentation. Multimedia Tools and Applications, 2021, 80, 409-437.	2.6	25
1189	Improving medical image fusion method using fuzzy entropy and nonsubsampling contourlet transform. International Journal of Imaging Systems and Technology, 2021, 31, 204-214.	2.7	19
1191	A novel multi-modal fundus image fusion method for guiding the laser surgery of central serous chorioretinopathy. Mathematical Biosciences and Engineering, 2021, 18, 4797-4816.	1.0	7
1192	Infrared and Visible Image Fusion Method Based on ResNet in a Nonsubsampled Contourlet Transform Domain. IEEE Access, 2021, 9, 91883-91895.	2.6	8
1193	Superpixel-Based Multi-focus Image Fusion. Transactions on Computational Science and Computational Intelligence, 2021, , 221-233.	0.3	0
1194	FDPPGAN: remote sensing image fusion based on deep perceptual patchGAN. Neural Computing and Applications, 2021, 33, 9589-9605.	3.2	15
1195	Enhanced textural analysis for endometrial tuberculosis identification from ultrasound images. International Journal of Information Technology (Singapore), 2021, 13, 657-666.	1.8	4
1196	Image Haze Removal Algorithm Based on Nonsubsampled Contourlet Transform. IEEE Access, 2021, 9, 21708-21720.	2.6	6
1197	A Dual-Path Fusion Network for Pan-Sharpening. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	14

#	Article	IF	Citations
1198	Pseudoreference Subaperture Images and Microlens Image-Based Blind Light Field Image Quality Measurement. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	4
1199	Learning a Deep Multi-Scale Feature Ensemble and an Edge-Attention Guidance for Image Fusion. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 105-119.	5.6	104
1200	A New Robust Adaptive Fusion Method for Double-Modality Medical Image PET/CT. BioMed Research International, 2021, 2021, 1-18.	0.9	4
1201	Computational learning of features for automated colonic polyp classification. Scientific Reports, 2021, 11, 4347.	1.6	14
1202	Parametrically Optimized Pulse Coupled Neural Network for Analysis of Multimodal Medical Images. , 2021, , .		1
1203	Multi-focus image fusion techniques: a survey. Artificial Intelligence Review, 2021, 54, 5735-5787.	9.7	31
1204	Medical image fusion based on hybrid three-layer decomposition model and nuclear norm. Computers in Biology and Medicine, 2021, 129, 104179.	3.9	16
1205	Nonsubsampled contourlet transform based toneâ€mapping operator to optimize the dynamic range of diatom shells. Microscopy Research and Technique, 2021, 84, 2034-2045.	1.2	0
1206	Image Integration Procedures in Multisensory Medical Images: A Comprehensive Survey of the state-of-the-art Paradigms. Current Medical Imaging, 2021, 17, .	0.4	0
1207	Image Registration and Fusion using Moving Frame based Decomposition Framework Algorithm. International Journal of Innovative Technology and Exploring Engineering, 2021, 10, 57-63.	0.2	1
1208	Hyperspectral image classification using an extended Auto-Encoder method. Signal Processing: Image Communication, 2021, 92, 116111.	1.8	15
1209	Saliency-Guided Nonsubsampled Shearlet Transform for Multisource Remote Sensing Image Fusion. Sensors, 2021, 21, 1756.	2.1	12
1210	Multi-Focus Image Fusion with Multi-Scale Transform Optimized by Metaheuristic Algorithms. Traitement Du Signal, 2021, 38, 247-259.	0.8	4
1211	Goal oriented image quality assessment. IET Image Processing, 2022, 16, 1054-1066.	1.4	3
1212	LWIR and MWIR Images Fusion Method Based on the TV Model and Saliency Analysis. , 2021, , .		0
1213	Fusion of Multispectral and Panchromatic Images by Integrating Standard PCA with Rotated Wavelet Transform. Journal of the Indian Society of Remote Sensing, 2021, 49, 2033-2055.	1.2	2
1214	A Multi-Objective Enhanced Fruit Fly Optimization (MO-EFOA) Framework for Despeckling SAR Images using DTCWT based Local Adaptive Thresholding. International Journal of Remote Sensing, 2021, 42, 5493-5514.	1.3	8
1215	High-Speed Lightweight Ship Detection Algorithm Based on YOLO-V4 for Three-Channels RGB SAR Image. Remote Sensing, 2021, 13, 1909.	1.8	72

#	Article	IF	Citations
1216	Pulse Coupled Neural Network-Based Multimodal Medical Image Fusion via Guided Filtering and WSEML in NSCT Domain. Entropy, 2021, 23, 591.	1.1	22
1217	Shearlet-Based Structure-Aware Filtering for Hyperspectral and LiDAR Data Classification. Journal of Remote Sensing, 2021, 2021, .	3.2	12
1218	Hybrid, blind and robust image watermarking: RDWT â€" NSCT based secure approach for telemedicine applications. Multimedia Tools and Applications, 2021, 80, 27593-27613.	2.6	24
1219	Review of Dim Small Target Detection Algorithms in Single-frame Infrared Images. , 2021, , .		6
1220	Medical image fusion based on convolutional neural networks and non-subsampled contourlet transform. Expert Systems With Applications, 2021, 171, 114574.	4.4	61
1221	Multimodal medical image fusion review: Theoretical background and recent advances. Signal Processing, 2021, 183, 108036.	2.1	130
1222	An infrared and visible image fusion method based on improved DenseNet and mRMR-ZCA. Infrared Physics and Technology, 2021, 115, 103707.	1.3	18
1223	An improved IHS fusion method of GF-2 remote sensing images. , 2021, , .		0
1224	A Distributed Fusion Framework of Multispectral and Panchromatic Images Based on Residual Network. Remote Sensing, 2021, 13, 2556.	1.8	6
1225	A total variation global optimization framework and its application on infrared and visible image fusion. Signal, Image and Video Processing, 2022, 16, 219-227.	1.7	4
1226	Multi-focus image fusion based on nonsubsampled contourlet transform and residual removal. Signal Processing, 2021, 184, 108062.	2.1	44
1227	FD-TR: feature detector based on scale invariant feature transform and bidirectional feature regionalization for digital image watermarking. Multimedia Tools and Applications, 2021, 80, 32197-32217.	2.6	1
1228	Multimodal medical image fusion based on joint bilateral filter and local gradient energy. Information Sciences, 2021, 569, 302-325.	4.0	79
1229	QRCP Decomposition-Based Hybrid Approach for Fusion of Visible and Infrared Images. Circuits, Systems, and Signal Processing, 0, , 1.	1.2	1
1230	GPR clutter reduction by multi-resolution based tensor RPCA. International Journal of Remote Sensing, 2021, 42, 7295-7312.	1.3	6
1231	Fusion of medical images based on salient features extraction by PSO optimized fuzzy logic in NSST domain. Biomedical Signal Processing and Control, 2021, 69, 102852.	3.5	26
1232	Patterned fabric image retrieval using relevant feedback via geometric similarity. Textile Reseach Journal, 0, , 004051752110362.	1.1	2
1233	Polarization dehazing method based on spatial frequency division and fusion for a far-field and dense hazy image. Applied Optics, 2021, 60, 9319.	0.9	11

#	Article	IF	Citations
1234	Towards Better Understanding of SAR Image: Feature Enhancement via Non-Local and Low-Rank Approach. Journal of Physics: Conference Series, 2021, 2025, 012071.	0.3	0
1235	Pan-sharpening based on multi-objective decision for multi-band remote sensing images. Pattern Recognition, 2021, 118, 108022.	5.1	11
1236	Poisson-Gaussian Noise Reduction for X-Ray Images Based on Local Linear Minimum Mean Square Error Shrinkage in Nonsubsampled Contourlet Transform Domain. IEEE Access, 2021, 9, 100637-100651.	2.6	12
1237	A novel multiscale transform decomposition based multi-focus image fusion framework. Multimedia Tools and Applications, 2021, 80, 12389-12409.	2.6	20
1239	Ultrasound liver tumour active contour segmentation with initialization using adaptive Otsu based thresholding. Research on Biomedical Engineering, 2021, 37, 251-262.	1.5	3
1240	Relative Global Optimum-Based Measure for Fusion Technique in Shearlet Transform Domain for Prognosis of Alzheimerâ€™s Disease. , 2021, , 279-291.		0
1241	Shearlet transform based technique for image fusion using median fusion rule. Multimedia Tools and Applications, 2021, 80, 11491-11522.	2.6	12
1242	An efficient fusion algorithm based on hybrid multiscale decomposition for infrared-visible and multi-type images. Infrared Physics and Technology, 2021, 112, 103601.	1.3	7
1243	Multispectral Image Pansharpening Based on the Contourlet Transform. , 2010, , 247-261.		8
1244	Integration of Wavelet Transforms for Single and Multiple Image Watermarking. , 2020, , 51-63.		7
1245	Multi-scale Information Distillation Network for Image Super Resolution in NSCT Domain. Lecture Notes in Computer Science, 2019, , 50-59.	1.0	6
1246	Color Texture Image Segmentation Based on Neutrosophic Set and Nonsubsampled Contourlet Transformation. Lecture Notes in Computer Science, 2014, , 164-173.	1.0	4
1247	Computational Aesthetic Measurement of Photographs Based on Multi-features with Saliency. Lecture Notes in Computer Science, 2014, , 357-366.	1.0	5
1249	Scale-Space Feature Based Image Watermarking in Contourlet Domain. Lecture Notes in Computer Science, 2009, , 88-102.	1.0	3
1250	A New Image Enhancement Method Based on Nonsubsampled Contourlet Transform. Communications in Computer and Information Science, 2010, , 74-80.	0.4	5
1252	Apply Neutron Radiation and X-Ray Images Fusion for Defect Detection in Manufacturing. Lecture Notes in Electrical Engineering, 2013, , 507-512.	0.3	1
1253	Color Image Restoration via Extended Joint Sparse Model. Communications in Computer and Information Science, 2012, , 497-504.	0.4	5
1255	A New Image Denoising and Enhancement Method Combining the Nonsubsampled Contourlet Transform and Improved Total Variation. Lecture Notes in Computer Science, 2013, , 860-867.	1.0	1

#	Article	IF	Citations
1256	Image Segmentation Based on NSCT and BF-PSO Algorithm. Lecture Notes in Computer Science, 2013, , 303-311.	1.0	1
1257	Medical Image Fusion Using Local Energy in Nonsubsampled Contourlet Transform Domain. Advances in Intelligent Systems and Computing, 2015, , 29-35.	0.5	5
1258	Medical Image Fusion in Curvelet Domain Employing PCA and Maximum Selection Rule. Advances in Intelligent Systems and Computing, 2016, , 1-9.	0.5	17
1259	Multi-focus Image Fusion Based on Non-subsampled Shearlet Transform and Sparse Representation. Lecture Notes in Electrical Engineering, 2018, , 120-126.	0.3	1
1260	A Novel Approach to Ultrasound Image Thresholding Using Phase Gradients. Lecture Notes in Electrical Engineering, 2020, , 71-88.	0.3	2
1261	Perceptual quality assessment for multimodal medical image fusion. Signal Processing: Image Communication, 2020, 85, 115852.	1.8	8
1262	Nonsubsampled contourlet transform-based conditional random field for SAR images segmentation. Signal Processing, 2020, 174, 107623.	2.1	13
1263	Projection onto the convex sets model based on nonâ€downsampling contourlet transform and highâ€frequency iteration. Electronics Letters, 2020, 56, 1054-1056.	0.5	3
1264	Multiâ€modal image fusion based on saliency guided in NSCT domain. IET Image Processing, 2020, 14, 3188-3201.	1.4	15
1265	Compact image signature generation: An application in image retrieval. , 2013, , .		2
1266	Enhanced Deep Learning Approach Based on the Deep Convolutional Encoderâ€"Decoder Architecture for Electromagnetic Inverse Scattering Problems. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1211-1215.	2.4	48
1267	Review of multiscale geometric decompositions in a remote sensing context. Journal of Electronic Imaging, 2016, 25, 061617.	0.5	5
1268	Infrared and visible image fusion based on nonsubsampled shearlet transform and fuzzy C-means clustering. Journal of Electronic Imaging, 2018, 27, 1.	0.5	4
1269	Nonsubsampled contourlet transform and k-means clustering for degraded document image binarization. Journal of Electronic Imaging, 2019, 28, 1.	0.5	3
1270	Spectral preservation fusion for remote sensing images using focus measure operators based on fast discrete curvelet transform and hyperspherical color space. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	2
1271	Model-based variational pansharpening method with fast generalized intensityâ€"hueâ€"saturation. Journal of Applied Remote Sensing, 2019, 13, 1.	0.6	4
1272	A deep learning-enabled iterative reconstruction of ultra-low-dose CT: use of synthetic sinogram-based noise simulation technique. , 2018, , .		5
1273	Comparison of Curvelet Generation 1 and Curvelet Generation 2 Transforms for Retinal Image Analysis. International Journal of Electrical and Computer Engineering, 2013, 3, .	0.5	4

#	Article	IF	Citations
1274	Infrared and Visible Light Images Fusion Utilizing Object Detection. Journal of Image and Signal Processing, 2015, 04, 47-52.	0.1	1
1275	Infrared and Visible Light Image Fusion Algorithm Based on Compressed Sensing. Journal of Information and Computational Science, 2015, 12, 1337-1347.	0.1	2
1276	An Improved Method on Non-subsampled Contourlet Transform Ultrasonic Image Denoising. DEStech Transactions on Computer Science and Engineering, 2018, , .	0.1	1
1277	Remote Sensing Image Fusion Scheme using Directional Vector in NSCT Domain. Telkomnika (Telecommunication Computing Electronics and Control), 2016, 14, 598.	0.6	1
1278	Texture image retrieval based on nonsubsampled contourlet transform and matrix F-norm. Applied Mathematical Sciences, 0, 7, 2613-2619.	0.0	2
1279	Multimodal Medical Image Fusion using Guided Filter in NSCT Domain. Biomedical and Pharmacology Journal, 2018, 11, 1937-1946.	0.2	7
1280	Fusion of multi-focus images via a Gaussian curvature filter and synthetic focusing degree criterion. Applied Optics, 2018, 57, 10092.	0.9	25
1281	Infrared and visible image perceptive fusion through multi-level Gaussian curvature filtering image decomposition. Applied Optics, 2019, 58, 3064.	0.9	63
1282	Multispectral image fusion for illumination-invariant palmprint recognition. PLoS ONE, 2017, 12, e0178432.	1.1	14
1283	Research on Ground Penetrating Radar Image Denoising Using Nonsubsampled Contourlet Transform and Adaptive Threshold Algorithm. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2016, 9, 219-228.	0.2	4
1284	MULTIFOCUS IMAGE FUSION BASED ON NONSUBSAMPLED CONTOURLET TRANSFORM AND SPIKING CORTICAL MODEL. Neural Network World, 2015, 25, 623-639.	0.5	6
1285	Performance Analysis Of Multi Source Fused Medical Images Using Multiresolution Transforms. International Journal of Advanced Computer Science and Applications, 2012, 3, .	0.5	4
1286	Automatic Image Registration Using Mexican Hat Wavelet, Invariant Moment, and Radon Transform. International Journal of Advanced Computer Science and Applications, 2011, 1, .	0.5	3
1287	Non-Subsampled Shearlet Transform and Log-Transform Methods for Despeckling of Medical Ultrasound Images. Informatica, 2019, 30, 1-19.	1.5	5
1288	Two Dimensional M-Channel Non-separable Filter Banks Based on Cosine Modulated Filter Banks with Diagonal Shifts. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2013, E96.A, 1685-1694.	0.2	1
1289	Image Quality Assessment for Blurred Images Using Nonsubsampled Contourlet Transform Features. Journal of Computers, 2017, , 156-164.	0.4	1
1290	Algebraic Iterative Reconstruction-Reprojection (AIRR) Method for High Performance Sparse-View CT Reconstruction. Applied Mathematics and Information Sciences, 2016, 10, 2007-2014.	0.7	7
1291	Fusion of Infrared and Visible Images Based on Pulse Coupled Neural Network and Nonsubsampled Contourlet Transform. Open Cybernetics and Systemics Journal, 2015, 9, 17-22.	0.3	1

#	Article	IF	Citations
1292	A novel registration method for high resolution remote sensing images based on JSEG and NMI. Computer Science and Information Systems, 2015, 12, 289-306.	0.7	1
1293	Image Denoising Algorithm Based on Non-Subsampled Contourlet Transform and Bilateral Filtering. , 0, , .		3
1294	Combining Segmentation Network and Nonsubsampled Contourlet Transform for Automatic Marine Raft Aquaculture Area Extraction from Sentinel-1 Images. Remote Sensing, 2020, 12, 4182.	1.8	26
1295	Fusion of Multi-sensor Images Based on the Nonsubsampled Contourlet Transform. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 34, 135-141.	0.3	11
1296	Image Fusion Algorithm Based on Spatia Frequency-Motivated Pulse Coupled Neural Networks in Nonsubsampled Contourlet Transform Domain. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 34, 1508-1514.	0.3	84
1297	Remote Sensing Image Fusion Based on Differential Evolution Algorithm under Data Assimilation Framework. Zidonghua Xuebao/Acta Automatica Sinica, 2010, 36, 392-398.	0.3	2
1298	Novel approach for texture retrieval using nonsubsampled Contourlet transform. Journal of Computer Applications, 2010, 30, 94-97.	0.1	1
1299	A New Image Denoising Method Combining the Nonsubsampled Contourlet Transform and Adaptive Total Variation. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2010, 32, 360-365.	0.1	3
1300	Image noise reduction based on anisotropic diffusion: A survey. Journal of Electronic Measurement and Instrument, 2011, 25, 105-116.	0.1	11
1301	Fusion Method for Visible Light and Infrared Images Based on Compressive Sensing of Non-subsampled Contourlet Transformation Sparsity. Information Technology Journal, 2013, 12, 672-679.	0.3	3
1302	A Novel Remote Sensing Image Enhancement Method Based on NSCT. Information Technology Journal, 2013, 13, 153-158.	0.3	2
1303	Coding of Clinical ROI Using S-FCM and WBCT. Journal of Applied Sciences, 2014, 14, 2713-2721.	0.1	1
1304	Cluster Based Medical Image Registration Using Optimized Neural Network. Advances in Computational Intelligence and Robotics Book Series, 2016, , 551-581.	0.4	1
1305	The Combination of Adaptive Filters to Improve the Quality of Medical Images in New Wavelet Domain. Advances in Medical Technologies and Clinical Practice Book Series, 0, , 46-76.	0.3	1
1306	Clutter Removal Techniques in Ground Penetrating Radar for Landmine Detection. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 375-399.	0.3	13
1307	Medical Image Fusion in Wavelet and Ridgelet Domains. International Journal of Rough Sets and Data Analysis, 2015, 2, 78-91.	1.0	28
1308	Infrared Image And Visible Light Image Fusion Based On Nonsubsampled Contourlet Transform And The Gradient Of Uniformity. International Journal of Advancements in Computing Technology, 2012, 4, 114-121.	0.1	5
1309	Multifocus Image Fusion Algorithms using Dyadic non-subsampled Contourlet Transform. International Journal of Digital Content Technology and Its Applications, 2010, 4, 36-47.	0.1	6

#	Article	IF	Citations
1310	Texture Image Classification Based on Nonsubsampled Contourlet Transform and Local Binary Patterns. International Journal of Digital Content Technology and Its Applications, 2010, 4, 186-193.	0.1	8
1311	Rotation-Invariant Texture Image Retrieval Based on Combined Feature Sets. International Journal of Digital Content Technology and Its Applications, 2011, 5, 287-292.	0.1	4
1312	Image Nonlinear Enhancement Algorithm based on Nonsubsampled Contourlet Transform. International Journal of Digital Content Technology and Its Applications, 2011, 5, 43-51.	0.1	5
1313	Multimodal Medical Image Fusion in Non-Subsampled Contourlet Transform Domain. Circuits and Systems, 2016, 07, 1598-1610.	0.1	28
1314	Shift Invariance Level Comparison of Several Contourlet Transforms and Their Texture Image Retrieval Systems. Journal of Signal and Information Processing, 2016, 07, 1-6.	0.8	2
1315	Mammograms Enhancement and Denoising Using Generalized Gaussian Mixture Model in Nonsubsampled Contourlet Transform. Journal of Multimedia, 2009, 4, .	0.3	4
1316	Semisubsampled Wavelet Transform Based Image Watermarking with Strong Robustness to Rotation Attacks. Journal of Multimedia, 2010, 5, .	0.3	2
1317	Multimodal Medical Image Fusion Framework Based on Simplified PCNN in Nonsubsampled Contourlet Transform Domain. Journal of Multimedia, 2013, 8, .	0.3	35
1318	Texture Feature Extraction Method Combining Nonsubsampled Contour Transformation with Gray Level Co-occurrence Matrix. Journal of Multimedia, 2013, 8, .	0.3	8
1319	An Image Fusion Method Based on NSCT and Dual-channel PCNN Model. Journal of Networks, 2014, 9, .	0.4	3
1320	Image Enhancement Techniques using Highpass and Lowpass Filters. International Journal of Computer Applications, 2015, 109, 21-27.	0.2	40
1321	A Robust Watermarking Technique based on Nonsubsampled Contourlet Transform and SVD. International Journal of Computer Applications, 2011, 16, 27-36.	0.2	9
1322	Edge Detection using Directional Filter Bank. International Journal of Applied Information Systems, 2012, 1, 21-27.	0.1	5
1323	A Novel Multimodal Medical Image Fusion Approach based on Phase Congruency and Directive Contrast in NSCT Domain. International Journal of Computer Applications, 2015, 129, 30-35.	0.2	3
1324	Quality Assessment of Image Fusion Methods in Transform Domain. International Journal on Information Theory, 2014, 3, 7-18.	0.5	12
1325	Remote Sensing Image Fusion Using Contourlet Transform With Sharp Frequency Localization. International Journal of Information Technology Modeling and Computing, 2014, 2, 23-35.	0.1	2
1326	A Novel Statistical Fusion Rule for Image Fusion and its Comparison in Non Subsampled Contourlet Transform Domain and Wavelet Domain. International Journal of Multimedia and Its Applications, 2012, 4, 69-87.	0.1	11
1327	Information Extraction and Despeckling of SAR Images with Second Generation of Wavelet Transform. , 0, , .		3

#	Article	IF	Citations
1328	MRI Monomodal Feature-Based Registration Based on the Efficiency of Multiresolution Representation and Mutual Information. American Journal of Biomedical Engineering, 2012, 2, 98-104.	0.9	11
1329	Performance Analysis of Denoising in MR Images with Double Density Dual Tree Complex Wavelets, Curvelets and Non-subsampled Contourlet Transforms. Annual Research & Review in Biology, 2014, 4, 2938-2956.	0.4	2
1330	NSCT edge Enhancement for SIFT key points extraction. IOSR Journal of VLSI and Signal Processing, 2014, 4, 84-90.	0.1	2
1331	Cloud Detection Method Using CNN Based on Cascaded Feature Attention and Channel Attention. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	12
1332	A Multispectral and Panchromatic Image Fusion Method Based on NSST and PCA. , 2021, , .		0
1333	High-quality image multi-focus fusion to address ringing and blurring artifacts without loss of information. Visual Computer, 2022, 38, 4353-4371.	2.5	5
1334	A Fusion Method of Optical Image and SAR Image Based on Dense-UGAN and Gramâ€"Schmidt Transformation. Remote Sensing, 2021, 13, 4274.	1.8	13
1335	Fast local Laplacian filtering based enhanced medical image fusion using parameter-adaptive PCNN and local features-based fuzzy weighted matrices. Applied Intelligence, 2022, 52, 7965-7984.	3.3	12
1336	Watermarking schemes for digital images: Robustness overview. Signal Processing: Image Communication, 2022, 100, 116523.	1.8	31
1337	Directional mean curvature for textured image demixing. Applied Mathematical Modelling, 2022, 102, 578-617.	2.2	0
1338	Recent advances in image fusion technology in agriculture. Computers and Electronics in Agriculture, 2021, 191, 106491.	3.7	28
1339	The Autonomous Underwater Vehicle Vision Denoising Method of Surfacelet Based on Sample Matrix. Lecture Notes in Computer Science, 2008, , 771-778.	1.0	1
1341	LMMSE-Based Image Denoising in Nonsubsampled Contourlet Transform Domain. Lecture Notes in Computer Science, 2010, , 36-43.	1.0	2
1343	Image Fusion Algorithm in Nonsubsampled Contourlet Domain Based on Activity Measure and Closed Loop Feedback. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2010, 32, 422-426.	0.1	4
1344	Novel approach for feature extraction of texture images. Journal of Computer Applications, 2010, 29, 3434-3436.	0.1	0
1345	STUDY ON THE ENHANCEMENT AND DENOISING OF MAMMOGRAMS. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2010, 29, 27-31.	0.2	1
1346	Image denoising based on graph regularization and nonsubsampled Contourlet transform. Journal of Computer Applications, 2010, 30, 1556-1558.	0.1	1
1347	Comparison among Multi-resolution Decomposition-based Image Fusion Methods. Geo-information Science, 2010, 12, 419-425.	0.1	0

#	Article	IF	Citations
1348	Image denoising based on spatially adaptive Bayesian shrinkage in NSCT domain. Journal of Computer Applications, 2010, 30, 2080-2084.	0.1	0
1349	A New EPMA Image Fusion Algorithm based on Contourlet-lifting Wavelet Transform and Regional Variance. Journal of Software, 2010, 5, .	0.6	3
1350	Multi-focus image fusion algorithm based on region segmentation and nonsubsampled Contourlet transform. Journal of Computer Applications, 2010, 30, 2805-2807.	0.1	1
1351	Contourlet-2.3 Retrieval Algorithm Using Absolute Mean Energy and Kurtosis Features. Lecture Notes in Electrical Engineering, 2011, , 319-326.	0.3	0
1352	Images Registration Based on Mutual Information and Nonsubsampled Contourlet Transform. Lecture Notes in Computer Science, 2011, , 304-311.	1.0	0
1353	A Fingerprint Image Enhancement Method Based on Contourlet Transform. Lecture Notes in Electrical Engineering, 2011, , 331-338.	0.3	0
1354	Extraction and Recognition of Bridges over Water in High Resolution SAR Image. Advances in Intelligent and Soft Computing, 2011, , 19-24.	0.2	1
1355	Retinal Vessel Segmentation Using Nonsubsampled Contourlet Transform. Jisuanji Xuebao/Chinese Journal of Computers, 2011, 34, 574-582.	0.3	3
1356	SAR Image Despeckling Based on Bivariate Threshold Function in NSCT Domain. Dianzi Yu Xinxi Xuebao/Journal of Electronics and Information Technology, 2011, 33, 1088-1094.	0.1	3
1357	Image Denoising Algorithm Based on Dyadic Contourlet Transform. Journal of Software, 2011, 6, .	0.6	2
1358	A Novel Intelligent Technique for Recognition of Coke Optical Texture. Journal of Software, 2011, 6, .	0.6	1
1359	Texture Image Retrieval Based on NSCT and DT-CWT. International Journal of Advancements in Computing Technology, 2011, 3, 346-353.	0.1	2
1360	A 2D Rigid Point Registration for Satellite Imaging Using Genetic Algorithms. Lecture Notes in Computer Science, 2012, , 442-450.	1.0	0
1361	Video Denoising Based on Adaptive Shrinkage in Surfacelet Transform Domain. Lecture Notes in Computer Science, 2012, , 684-692.	1.0	0
1362	Shift-invariant texture retrieval using P- contourlet. , 2012, , .		1
1363	Using Anisotropic Bivariate Threshold Function for Image Denoising in NSCT Domain. Lecture Notes in Computer Science, 2012, , 349-356.	1.0	0
1364	A New Digital Watermarking Algorithm Based on NSCT and SVD. Lecture Notes in Electrical Engineering, 2012, , 49-57.	0.3	0
1365	Super-Resolution with Multiselective Contourlets. American Journal of Computational Mathematics, 2012, 02, 302-311.	0.2	1

#	Article	IF	Citations
1366	Automatic Scheme for Fused Medical Image Segmentation with Nonsubsampled Contourlet Transform. International Journal of Advanced Computer Science and Applications, 2012, 3, .	0.5	2
1367	Attenuation of Random Noise for Seismic Data Based on Nonsubsampled Contourlet Transform. Lecture Notes in Electrical Engineering, 2012, , 103-108.	0.3	1
1368	An Effective Image Fusion Method Based on Nonsubsampled Contourlet Transform and Pulse Coupled Neural Network. , 2012, , .		0
1369	SHIFT AND ROTATION INVARIANT IRIS FEATURE EXTRACTION BASED ON NON-SUBSAMPLED CONTOURLET TRANSFORM AND GLCM. , 2012, , .		0
1370	Texture Feature Extraction Approach to Palmprint using Nonsubsampled Contourlet Transform and OrthogonalMoments. International Journal of Future Computer and Communication, 2012, , 298-301.	1.3	2
1371	Wavelet-Contourlet Retrieval Algorithm Using Four Statistical Features. Communications in Computer and Information Science, 2012, , 411-418.	0.4	0
1373	Alumina Ceramic Surface Defect Detection: Combining Canny Edge Detector and Contourlet Transformation. International Journal of Advancements in Computing Technology, 2012, 4, 131-140.	0.1	0
1374	FROM IMAGE CONTOURS TO PIXELS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B3, 415-419.	0.2	0
1375	Robust Contrast Enhancement for Digital Mammography. International Journal of Computer Applications, 2012, 56, 15-19.	0.2	3
1376	An Efficient Way to Enhance Mammogram Image in Transformation Domain. International Journal of Computer Applications, 2012, 60, 35-41.	0.2	1
1377	Image Fusion Method based on Non-Subsampled Contourlet Transform. Journal of Software, 2012, 7, .	0.6	3
1378	Saliency Preserved Image Fusion Using Nonsubsampled Contourlet Transform. Lecture Notes in Electrical Engineering, 2013, , 349-357.	0.3	0
1379	Face Recognition Based on Non-Subsampled Contourlet Transform and Multi-order Fusion Binary Patterns. Lecture Notes in Computer Science, 2013, , 521-528.	1.0	0
1380	Human Face Super-Resolution Based on NSCT. Lecture Notes in Computer Science, 2013, , 680-693.	1.0	0
1381	Research on Image Fusion for Visual and PMMW Images Using NSCT and Region Detection. , 0, , .		0
1382	Image Matching Algorithm Based on Contourlet Transform and VA Fast Search. , 0, , .		0
1383	A Bi-level IHS Transform for Fusing Panchromatic and Multispectral Images. Lecture Notes in Computer Science, 2013, , 367-372.	1.0	1
1384	Image Enhancement Based on NSCT. Advances in Intelligent Systems and Computing, 2013, , 753-759.	0.5	0

#	Article	IF	Citations
1385	Adaptive Threshold Nonlinear Image Enhancement Algorithm Based on NSCT Transform. Lecture Notes in Electrical Engineering, 2014, , 279-286.	0.3	0
1386	Correcting Multi-focus Images via Simple Standard Deviation for Image Fusion. International Journal of Image Graphics and Signal Processing, 2013, 5, 56-61.	0.8	1
1388	Defect Detection in Alloy Steel Surface Using Nonsubsampled Contourlet Transform. SSRG International Journal of Engineering Trends and Technology, 2014, 7, 57-60.	0.3	0
1389	Infrared and visible image fusion based on deep Boltzmann model. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 184202.	0.2	2
1391	Image De-noising Based on Mixed-domain Algorithm. , 2014, , .		1
1392	A Novel Fusion Algorithm for Visible and Infrared Image using Non-subsampled Contourlet Transform and Pulse-coupled Neural Network. , 2014, , .		1
1394	Palmprint Compression using Wavelet based Contourlet Transform and SPIHT. International Journal of Computer Applications, 2014, 91, 27-31.	0.2	0
1395	A Novel Image Fusion Method for Multi-focus Image Fusion Based on the Nonsubsampled Contourlet Transform and Multi-scale Statistic. Journal of Information and Computational Science, 2014, 11, 1715-1721.	0.1	0
1396	The Contourlet Transform with Multiple Cycles Spinning for Catenary Image Denoising. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2014, 12, .	0.1	2
1397	DEDICATED 3D IMAGE PROCESSING METHODS FOR THE ANALYSIS OF X-RAY TOMOGRAPHY DATA: CASE STUDY OF MATERIALS SCIENCE. Series in Computer Vision, 2014, , 309-338.	0.1	0
1398	A New Model for Image Fusion Using Bi-dimensional Empirical Mode Decomposition with Directional Information. Journal of Information and Computational Science, 2014, 11, 3461-3468.	0.1	0
1399	Emulation of LISS III images for high temporal resolution at larger swath. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-8, 1193-1200.	0.2	0
1400	AN ENHANCED MAMMOGRAM DIAGNOSIS USING SHIFT-INVARIANT TRANSFORM. ICTACT Journal on Image and Video Processing, 2014, 5, 920-925.	0.2	2
1401	Research on Segmentation Technology of Fuzzy Image with Adhesion Pixels. Open Automation and Control Systems Journal, 2014, 6, 1730-1735.	0.9	0
1402	A New Image Watermarking Algorithm Using the Contourlet Transform and the Harris Detector. Communications in Computer and Information Science, 2015, , 439-447.	0.4	0
1403	SURE-LET Poisson Denoising with Multiple Directional LOTs. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1820-1828.	0.2	6
1404	Remote Sensing Image Enhancement Algorithm For Water Pollution Monitoring Based on Rational Interpolation. , 0, , .		0
1405	Semi down sampling wavelet transform and its application in image watermarking. , 2015, , .		0

#	Article	IF	Citations
1406	Emergence of Shearlets and Its Applications. Industrial and Applied Mathematics, 2015, , 257-284.	0.3	0
1407	A Novel Multi-focus Image Fusion Method using Pulse Coupled Neural Network in Nonsubsampled Contourlet Transform Domain. , 0, , .		0
1408	Comparing Nonsubsampled Wavelet, Contourlet and Shearlet Transforms for Ultrasound Image Despeckling. International Journal of Image Graphics and Signal Processing, 2015, 7, 15-22.	0.8	3
1409	Multi-modal Medical Image Fusion Based on Non-subsampled Shearlet Transform. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2015, 8, 41-48.	0.2	2
1410	Medical Image Fusion in NSCT Domain Combining with Compressive Sensing. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 1-8.	0.3	1
1411	Exposing Image Sharpen Forgeries Based on Dyadic Contrast Contourlet. International Journal of Multimedia and Ubiquitous Engineering, 2015, 10, 237-246.	0.3	0
1412	Eye-Strip based Person Identification based on Non-Subsampled Contourlet Transform. International Journal of Computer Applications, 2015, 121, 14-20.	0.2	4
1413	Multimodality Medical Image Fusion Technique using Hybrid Method. International Journal of Computer Applications, 2015, 123, 48-51.	0.2	1
1414	Image Enhancement based on Nonsubsampled Contourlet Transform using Matrix Factorization Techniques. International Journal of Computer Applications, 2015, 123, 35-38.	0.2	1
1415	IMAGE FUSION BASED ON JOINT NONSUBSAMPLED CONTOURLET AND OVERCOMPLETE BRUSHLET TRANSFORMS. International Journal on Smart Sensing and Intelligent Systems, 2016, 9, 2186-2203.	0.4	0
1416	Human Object Classification Based on Nonsubsampled Contourlet Transform Combined with Zernike Moment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 212-222.	0.2	1
1417	A novel data fusion method for infrared and visible images based on NSCT and Gaussian statistical estimation. , 0, , .		0
1418	Medical Image Fusion Algorithm based on Local Average Energy-Motivated PCNN in NSCT Domain. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	0
1419	Human Object Tracking in Nonsubsampled Contourlet Domain. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	0
1421	Image Quality Assessment with Saliency Map in Nonsubsampled Contourlet Transform Domain. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 349-360.	0.3	1
1422	An Improved Image Registration Based on Nonsubsampled Contourlet Transform and Zernike Moments. International Journal of Signal Processing, Image Processing and Pattern Recognition, 2016, 9, 191-206.	0.2	0
1423	Nonsubsampled Contourlet Transform Based Infrared Image Super-Resolution by Using Sparse Dictionary and Residual Dictionary. International Journal of Multimedia and Ubiquitous Engineering, 2016, 11, 219-234.	0.3	0
1424	Image Fusion Using Contourlet for Enhancement and Wavelet Transform: to Aid Medical Diagnosis. American Journal of Biomedical Sciences, 0, , 193-199.	0.2	0

#	Article	IF	Citations
1425	Accurate reconstruction in measurement of microstructures using digital holographic microscopy. Proceedings of SPIE, 2016, , .	0.8	0
1427	Cluster Based Medical Image Registration Using Optimized Neural Network. , 2017, , 1437-1467.		0
1428	Non Sub-sampled Contourlet Transform Based Feature Extraction Technique for Differentiating Glioma Grades Using MRI Images. Lecture Notes in Computer Science, 2017, , 289-300.	1.0	0
1429	Drop Size Distribution of Rain Droplet Using Non-Subsampled Contourlet Transform and Double Density Dual tree Transform. , 2017, , .		0
1430	A New Infrared and Visible Image Fusion Algorithm in NSCT Domain. Lecture Notes in Computer Science, 2017, , 420-431.	1.0	4
1431	The Combination of Adaptive Filters to Improve the Quality of Medical Images in New Wavelet Domain. , 2017, , 1935-1966.		0
1432	Medical Image Fusion in Wavelet and Ridgelet Domains. , 2017, , 711-723.		0
1433	Shearlet Based Medical Image Fusion Using Pulse-Coupled Neural Network with Fuzzy Memberships. Lecture Notes in Computer Science, 2017, , 337-344.	1.0	0
1434	A Survey on Multimodal Medical Image Fusion. IOSR Journal of Computer Engineering, 2017, 19, 07-14.	0.1	2
1435	Fusion of Hyper spectral and Multispectral Images using Non-Subsampled Contourlet Transform Domains. International Journal of Computer Trends and Technology, 2017, 47, 61-67.	0.1	1
1436	Image Fusion Method Based on Sparse and Redundant Representation. Lecture Notes in Electrical Engineering, 2018, , 333-348.	0.3	0
1437	Affine shear tight frames with two-layer structure. , 2017, , .		0
1438	A NOVEL FUSION-BASED UNSUPERVISED APPROACH FOR MULTISPECTRAL IMAGE CHANGE DETECTION WITH SALIENCY MAPS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 1031-1035.	0.2	0
1439	Target interpretation of visible light image and infrared image fusion method. , 2017, , .		0
1440	Visibility-enhanced dual-band infrared image fusion based on Nonsubsampled Contourlet transform. , 2017, , .		1
1441	Hyperspectral image classification using nonsubsampled shearlet transform. , 2017, , .		1
1443	A Novel Image Denoising Algorithm Based on Non-subsampled Contourlet Transform and Modified NLM. Lecture Notes in Computer Science, 2018, , 689-699.	1.0	0
1444	Fusion of Infrared and Visible Images based on NSCT and Modified PCNN. DEStech Transactions on Computer Science and Engineering, 2018, , .	0.1	0

#	Article	IF	Citations
1445	A Medical Image Fusion Algorithm Based on Nonsubsampled Contourlet Transform and Feature Matching. , 0, , .		0
1446	Object Contour in Low Quality Medical Images in Curvelet Domain. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.5	0
1447	Improving the Spatial Resolution of AWiFS Sensor Data Using LISS III and AWiFS DataPair with Contourlet Transform Learning. Advances in Intelligent Systems and Computing, 2018, , 105-119.	0.5	0
1449	Adaptive structured dictionary learning for image fusion based on group-sparse-representation. , 2018, , .		0
1450	Multimodal medical image fusion by combining gradient minimization smoothing filter and non-subsampled directional filter bank. , 2018, , .		0
1451	Transmission Tower Extraction in High Resolution SAR Image Based on NSCT. , 2018, , .		0
1452	Surface Filtering. , 2019, , 59-137.		0
1453	A parallel fusion method of remote sensing image based on NSCT. Computer Optics, 2019, 43, 123-131.	1.3	2
1454	Thresholding or Bayesian LMMSE/MAP Estimator, which one Works Better for Despeckling of True SAR Images?. International Journal of Image Graphics and Signal Processing, 2019, 11, 1-11.	0.8	0
1455	Surface Classification. , 2019, , 139-194.		0
1456	Non-Subsampled Contourlet Transform-Based Effective Denoising of Medical Images. Advances in Medical Technologies and Clinical Practice Book Series, 2019, , 155-183.	0.3	0
1457	Feature Extraction of Foam Nickel Surface Based on Multi-Scale Texture Analysis. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2019, 23, 175-182.	0.5	0
1458	Multimodel fusion method via sparse representation at pixel-level and feature-level. Optical Engineering, 2019, 58, 1.	0.5	2
1460	Nonsubsampled Shearlet and Guided Filter Based Despeckling Method for Medical Ultrasound Images. , 2020, , 123-142.		0
1461	Remote Sensing Image Fusion Based on Multi-morphological Convolutional Neural Network. Lecture Notes in Computer Science, 2020, , 485-495.	1.0	0
1462	Ground Penetrating Radar Image Denoising via Nonuniform Directional Filter Bank Method. UluslararasÄ± Muhendislik Arastirma Ve Gelistirme Dergisi, 0, , 427-441.	0.1	0
1463	FREQUENCY ENCODED BINARY PATTERN: ANEW FEATURE DESCRIPTOR FOR MEDICAL IMAGE RETRIEVAL. Journal of Mechanics of Continua and Mathematical Sciences, 2020, 15, .	0.0	0
1464	Wavelet Transforms: From Classical to New Generation Wavelets. , 2020, , 13-29.		1

#	Article	IF	Citations
1465	Brain medical image fusion scheme based on shuffled frogâ€leaping algorithm and adaptive pulseâ€coupled neural network. IET Image Processing, 2021, 15, 1203-1209.	1.4	3
1466	Enhancement Method for Aviation Image Based on Improved NSCT. , 2020, , .		0
1467	A Nonlocal Denoising Framework Based on Tensor Robust Principal Component Analysis with â„“_p norm. , 2020, , .		2
1468	Medical Image Fusion Based on Undecimated Dual-Tree Complex Wavelet Transform and NSCT. Communications in Computer and Information Science, 2021, , 472-484.	0.4	0
1469	Fusion of Infrared and Visible Images Using Fuzzy Based Siamese Convolutional Network. Computers, Materials and Continua, 2022, 70, 5503-5518.	1.5	23
1470	Multimodal image fusion and denoising in NSCT domain using CNN and FOTGV. Biomedical Signal Processing and Control, 2022, 71, 103214.	3.5	11
1471	Neuro-Fuzzy-Based Smart Irrigation System and Multimodal Image Analysis in Static-Clustered Wireless Sensor Network for Marigold Crops. Advances in Bioinformatics and Biomedical Engineering Book Series, 2020, , 237-255.	0.2	1
1472	A Bilevel Integrated Model With Data-Driven Layer Ensemble for Multi-Modality Image Fusion. IEEE Transactions on Image Processing, 2021, 30, 1261-1274.	6.0	68
1473	Application Analysis of Contourlet Transform in Image Denoising of Flue-Cured Tobacco Leaves. Lecture Notes in Electrical Engineering, 2020, , 511-516.	0.3	0
1474	Remote Sensing Image Fusion Using Improved IHS and Non-subsampled Contourlet Transform. Studies in Distributed Intelligence, 2020, , 55-67.	0.4	2
1475	Underwater Image Enhancement Based on Color Balance and Edge Sharpening. Lecture Notes in Computer Science, 2020, , 738-747.	1.0	0
1476	Image fusion with structural saliency measure and content adaptive consistency verification. Journal of Electronic Imaging, 2020, 29, 1.	0.5	1
1477	A cognitive approach to endometrial tuberculosis identification using hierarchical deep fusion method. Soft Computing, 0, , 1.	2.1	1
1478	Infrared and visible image fusion based on nonâ€subsampled shearlet transform, regional energy, and coâ€occurrence filtering. Electronics Letters, 2020, 56, 761-764.	0.5	10
1479	Image Denoising Using Neighbouring Contourlet Coefficients. Lecture Notes in Computer Science, 2008, , 384-391.	1.0	3
1480	Feature identification of non-stochastic surfaces with non-subsampled contourlet transform. , 2020, , .		0
1481	An investigation of data fusion for defects inspection in additive manufacturing. , 2020, , .		0
1482	No-reference stereoscopic image quality assessment on both complex contourlet and spatial domain via Kernel ELM. Signal Processing: Image Communication, 2022, 101, 116547.	1.8	2

#	Article	IF	Citations
1483	Multimodal medical image fusion using gradient domain guided filter random walk and side window filtering in framelet domain. Information Sciences, 2022, 585, 418-440.	4.0	7
1484	Cloud Detection Method Using Convolutional Neural Network Based on Cascaded Color and Texture Feature Attention. , 2021, , .		1
1485	Underwater Weak Target Detection Algorithm Based on Space-time Distribution Processing. , 2021, , .		0
1486	Guided filter random walk and improved spiking cortical model based image fusion method in NSST domain. Neurocomputing, 2022, 488, 509-527.	3.5	9
1487	Fringe direction weighted autofocusing algorithm for gear tooth flank form deviation measurement based on an interferogram. Applied Optics, 2021, 60, 11066.	0.9	1
1488	A GAN-based visible and infrared image fusion algorithm. , 2021, , .		0
1489	Performance Analysis of Multi-scale Transforms for Saliency-Based Infrared and Visible Image Fusion. Lecture Notes in Networks and Systems, 2022, , 801-809.	0.5	0
1491	Effective Pan-Sharpening With Transformer and Invertible Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	18
1492	Modified Expectation Maximization Method for Automatic Segmentation of MR Brain Images. , 2013, , .		0
1493	Anisotropic Data-Specific Wavelets for Structure-aware Image Processing. , 2020, , .		0
1494	A Multiscale Morphological Method for Visible and Infrared Images Fusion. , 2020, , .		1
1495	Non-subsampled Shearlet Entropy and Logistic Regression Based Multiple Sclerosis Detection. , 2020, , .		1
1496	Medical Image Segmentation based on Fully Convolutional Network and Minimizing Energy Between Curves. TEM Journal, 2020, , 1348-1356.	0.4	0
1497	Multi-modal Medical Image Fusion Technique to Improve Glioma Classification Accuracy. , 2021, , .		0
1498	Focus-pixel estimation and optimization for multi-focus image fusion. Multimedia Tools and Applications, 2022, 81, 7711-7731.	2.6	4
1499	Spatially adaptive multi-scale image enhancement based on nonsubsampled contourlet transform. Infrared Physics and Technology, 2022, 121, 104014.	1.3	15
1500	Medical image fusion based on local Laplacian decomposition and iterative joint filter. International Journal of Imaging Systems and Technology, 0, , .	2.7	2
1501	Unsupervised Spatial-Spectral CNN-Based Feature Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	16

#	Article	IF	Citations
1502	A combined approach of non-subsampled contourlet transform and convolutional neural network to detect gastrointestinal polyp. Multimedia Tools and Applications, 2022, 81, 9949-9968.	2.6	6
1503	Optimized multimodal medical image fusion framework using multi-scale geometric and multi-resolution geometric analysis. Multimedia Tools and Applications, 2022, 81, 14379-14401.	2.6	15
1504	Multiscale image fusion based on local standard deviation. , 2022, , .		0
1505	A high capacity multi-image steganography technique based on golden ratio and non-subsampled contourlet transform. Multimedia Tools and Applications, 2022, 81, 24449-24476.	2.6	5
1506	Hilbert quantum image scrambling and graph signal processing-based image steganography. Multimedia Tools and Applications, 2022, 81, 17817-17830.	2.6	7
1507	Detection of Alzheimerâ€™s disease using features of brain region-of-interest-based individual network constructed with the sMRI image. Computerized Medical Imaging and Graphics, 2022, 98, 102057.	3.5	9
1508	Robust restoration of low-dose cerebral perfusion CT images using NCS-Unet. Nuclear Science and Techniques/Hewuli, 2022, 33, 1.	1.3	9
1509	Robust Watermarking Algorithm against the Geometric Attacks based on Non-Subsampled Shearlet Transform and Harris-Laplace Detector. Security and Communication Networks, 2022, 2022, 1-14.	1.0	4
1510	Blind watermarking algorithm combining<scp>NSCT</scp>,<scp>DWT</scp>,<scp>SVD</scp>, and<scp>HVS</scp>. Security and Privacy, 2022, 5, .	1.9	4
1511	CT and MRI Medical Image Fusion Using Noise-Removal and Contrast Enhancement Scheme with Convolutional Neural Network. Entropy, 2022, 24, 393.	1.1	11
1512	DEDNet: an infrared and visible image fusion architecture based on dual-encoder and channel-picking/Gaussian-filtering models. , 2022, , .		0
1513	Robust Low-Rank Analysis with Adaptive Weighted Tensor for Image Denoising. Displays, 2022, , 102200.	2.0	2
1514	A homomorphic non-subsampled contourlet transform based ultrasound image despeckling by novel thresholding function and self-organizing map. Biocybernetics and Biomedical Engineering, 2022, 42, 512-528.	3.3	5
1515	A novel intuitionistic-near fuzzy sets based image fusion approach: development on hybrid MPI+OpenMP parallel model. Multimedia Tools and Applications, 2022, 81, 29699-29730.	2.6	2
1516	Zero-Watermarking Algorithm for Medical Images Based on Nonsubsampled Contourlet Transform and Double Singular Value Decomposition. , 2021, , .		1
1517	An Efficient Framework for the Segmentation of Glioma Brain Tumor Using Image Fusion and Co-Active Adaptive Neuro Fuzzy Inference System Classification Method. Journal of Medical Imaging and Health Informatics, 2021, 11, 3133-3140.	0.2	0
1518	CT and MR Image Fusion based on Guided filtering and Phase congruency in Non-Subsampled Shearlet Transform domain. , 2021, , .		0
1519	Infrared and Visible Image Fusion via Fast Approximate Bilateral Filter and Local Energy Characteristics. Scientific Programming, 2021, 2021, 1-12.	0.5	0

#	Article	IF	Citations
1520	Change Detection in Multitemporal SAR Images Based on Slow Feature Analysis Combined With Improving Image Fusion Strategy. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3008-3023.	2.3	8
1521	Visibility and Distortion Measurement for No-Reference Dehazed Image Quality Assessment via Complex Contourlet Transform. IEEE Transactions on Multimedia, 2023, 25, 3934-3949.	5.2	12
1522	When Pansharpening Meets Graph Convolution Network and Knowledge Distillation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	13
1523	Hybrid Discrete Wavelet Enhancement Model for Brain NCCT Images. , 2022, , .		0
1524	An Infrared and Visible Fusion Framework Based on a Novel Decomposition Method. Symmetry, 2022, 14, 786.	1.1	2
1525	BMIF: Privacy-preserving Blockchain-based Medical Image Fusion. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-23.	3.0	5
1526	Infrared and visible image fusion based on saliency and fast guided filtering. Infrared Physics and Technology, 2022, 123, 104178.	1.3	8
1527	An Unsupervised Laplacian Pyramid Network for Radiometrically Accurate Data Fusion of Hyperspectral and Multispectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	8
1528	A Pansharpening Based on the Non-Subsampled Contourlet Transform and Convolutional Autoencoder: Application to QuickBird Imagery. IEEE Access, 2022, 10, 44778-44788.	2.6	3
1529	Hyperspectral image super-resolution using multi-scale decomposition and convolutional neural network based on relation type between low- and high-resolution images. Signal, Image and Video Processing, 0, , 1.	1.7	0
1530	Identification of endometrial tuberculosis in infertility using Non-Subsampled Contourlet based convolution neural network. Expert Systems With Applications, 2022, 202, 117282.	4.4	2
1531	An improved multiresolution technique for pavement texture image evaluating. Multimedia Tools and Applications, 0, , 1.	2.6	1
1532	Infrared and visible image fusion based on cross-modal extraction strategy. Infrared Physics and Technology, 2022, 124, 104205.	1.3	2
1533	High Performance Image Super-Resolution Using Convolutional Neural Networks and Nonsubsampled Contourlet Transform. Journal of Communications Technology and Electronics, 2022, 67, 418-429.	0.2	0
1534	Research on Multivariate Image Processing and Pattern Recognition of Power Equipment Failure. , 2022, , .		0
1535	X-ray Image Enhancement Based on Nonsubsampled Shearlet Transform and Gradient Domain Guided Filtering. Sensors, 2022, 22, 4074.	2.1	7
1536	Infrared and visible image fusion using multi-scale pyramid network. International Journal of Wavelets, Multiresolution and Information Processing, 2022, 20, .	0.9	4
1540	A Self-Supervised Residual Feature Learning Model for Multifocus Image Fusion. IEEE Transactions on Image Processing, 2022, 31, 4527-4542.	6.0	12

#	Article	IF	Citations
1541	MRI image enhancement based on feature clustering in the NSCT domain. AIMS Mathematics, 2022, 7, 15633-15658.	0.7	0
1542	IGNFusion: An Unsupervised Information Gate Network for Multimodal Medical Image Fusion. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 854-868.	7.3	4
1543	Real-time denoising of ultrasound images based on deep learning. Medical and Biological Engineering and Computing, 2022, 60, 2229-2244.	1.6	9
1544	Video Watermarking Algorithm Based on NSCT, Pseudo 3D-DCT and NMF. Sensors, 2022, 22, 4752.	2.1	8
1545	An efficient biomedical cell image fusion method based on the multilevel low rank representation. International Journal of Information Technology (Singapore), 2022, 14, 3701-3710.	1.8	4
1546	Multimodal Medical Image Fusion Using Stacked Auto-encoder in NSCT Domain. Journal of Digital Imaging, 2022, 35, 1308-1325.	1.6	6
1547	Deep learning with multiresolution handcrafted features for brain MRI segmentation. Artificial Intelligence in Medicine, 2022, 131, 102365.	3.8	11
1548	Reliable and robust low rank representation based noisy images multi-focus image fusion. Multimedia Tools and Applications, 2023, 82, 8235-8259.	2.6	1
1549	DUFuse: Deep U-Net for visual and infrared images fusion. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 12549-12561.	3.3	1
1550	Local-Global Based High-Resolution Spatial-Spectral Representation Network for Pansharpening. Remote Sensing, 2022, 14, 3556.	1.8	1
1551	Real Time Protein Crystal Monitoring System. , 2022, , .		0
1552	Multi-modal medical image fusion based on densely-connected high-resolution CNN and hybrid transformer. Neural Computing and Applications, 2022, 34, 21741-21761.	3.2	12
1553	DAFuse: a fusion for infrared and visible images based on generative adversarial network. Journal of Electronic Imaging, 2022, 31, .	0.5	9
1554	A robust and secure blind color image watermarking scheme based on contourlet transform and Schur decomposition. Visual Computer, 2023, 39, 4573-4592.	2.5	8
1555	A Zero-watermark Algorithm for Copyright Protection of Remote Sensing Image Based on Blockchain. , 2022, , .		2
1556	Denoising Seismic Data via a Threshold Shrink Method in the Non-Subsampled Contourlet Transform Domain. Mathematical Problems in Engineering, 2022, 2022, 1-12.	0.6	1
1557	Infrared and Visible Image Fusion Based on Visual Saliency Map and Image Contrast Enhancement. Sensors, 2022, 22, 6390.	2.1	4
1558	Non Sub-Sampled Contourlet with Joint Sparse Representation Based Medical Image Fusion. Computer Systems Science and Engineering, 2023, 44, 1989-2005.	1.9	0

#	Article	IF	Citations
1559	Adaptive Fuzzy Logic Despeckling in Non-Subsampled Contourlet Transformed Ultrasound Pictures. Intelligent Automation and Soft Computing, 2023, 35, 2755-2771.	1.6	2
1560	Hybrid pixel based method for multimodal image fusion based on Integration of Pulse Coupled Neural Network (PCNN) and Genetic Algorithm (GA) using Empirical Mode Decomposition (EMD). Microprocessors and Microsystems, 2022, 94, 104665.	1.8	7
1561	Pansharpening Based on Spectral-Spatial Dependence for Multibands Remote Sensing Images. IEEE Access, 2022, 10, 76153-76167.	2.6	0
1562	Paediatric Bone Age Assessment fromÂHand X-ray Using Deep Learning Approach. Lecture Notes in Networks and Systems, 2022, , 373-383.	0.5	1
1563	Simultaneous Seismic Data Interpolation and Denoising Based on Nonsubsampled Contourlet Transform Integrating With Two-Step Iterative Log Thresholding Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	2.7	3
1564	Infrared and visible image fusion based on particle swarm optimization and dense block. Frontiers in Energy Research, 0, 10, .	1.2	0
1565	New remote sensing image fusion for exploring spatiotemporal evolution of urban land use and land cover. Journal of Applied Remote Sensing, 2022, 16, .	0.6	2
1566	Enhanced Supervised Descent Learning Technique for Electromagnetic Inverse Scattering Problems by the Deep Convolutional Neural Networks. IEEE Transactions on Antennas and Propagation, 2022, 70, 6195-6206.	3.1	11
1567	Study of Multiscale Fused Extraction of Cropland Plots in Remote Sensing Images Based on Attention Mechanism. Computational Intelligence and Neuroscience, 2022, 2022, 1-8.	1.1	0
1568	Statistical image watermark decoder using NSM-HMT in NSCT-FGPCET magnitude domain. Journal of Information Security and Applications, 2022, 69, 103312.	1.8	1
1569	DRUNet: A Method for Infrared Point Target Detection. Applied Sciences (Switzerland), 2022, 12, 9299.	1.3	2
1570	MS-Pansharpening Algorithm Based on Dual Constraint Guided Filtering. Remote Sensing, 2022, 14, 4867.	1.8	1
1571	Parameter adaptive unit-linking dual-channel PCNN based infrared and visible image fusion. Neurocomputing, 2022, 514, 21-38.	3.5	23
1572	A grid-line suppression technique based on the nonsubsampled contourlet transform in digital radiography. Nuclear Engineering and Technology, 2022, , .	1.1	0
1573	Multimodal Brain Image Fusion Based on Improved Rolling Guidance Filter and Wiener Filter. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-17.	0.7	2
1574	X-ray Image Enhancement Based on Adaptive Gradient Domain Guided Image Filtering. Applied Sciences (Switzerland), 2022, 12, 10453.	1.3	1
1575	A Method for Medical Microscopic Imagesâ€™ Sharpness Evaluation Based on NSST and Variance by Combining Time and Frequency Domains. Sensors, 2022, 22, 7607.	2.1	4
1576	Medical image fusion based on quasi-cross bilateral filtering. Biomedical Signal Processing and Control, 2023, 80, 104259.	3.5	4

#	Article	IF	Citations
1577	Polarization dehazing method based on separating and iterative optimizing airlight from the frequency domain for different concentrations of haze. Applied Optics, 2022, 61, 10362.	0.9	3
1578	Machine Learning Based Approach for Automated Cervical Dysplasia Detection Using Multi-Resolution Transform Domain Features. Mathematics, 2022, 10, 4126.	1.1	4
1579	Image restoration algorithm incorporating methods to remove noise and blurring from positron emission tomography imaging for Alzheimer's disease diagnosis. Physica Medica, 2022, 103, 181-189.	0.4	5
1580	Multi-aperture optical flow estimation for artificial compound eye using non-subsampled contourlet transform and guided filter. Measurement Science and Technology, 0, , .	1.4	0
1581	Infrared and visible image fusion based on residual dense network and gradient loss. Infrared Physics and Technology, 2023, 128, 104486.	1.3	12
1582	Infrared and Visible Image Fusion Based on Multi-scale Gaussian Rolling Guidance Filter Decomposition. Lecture Notes in Computer Science, 2022, , 75-91.	1.0	0
1583	Enhanced Two-Step Deep-Learning Approach for Electromagnetic-Inverse-Scattering Problems: Frequency Extrapolation and Scatterer Reconstruction. IEEE Transactions on Antennas and Propagation, 2023, 71, 1662-1672.	3.1	3
1584	Infrared and Visible Image Fusion based on CNN and Saliency Detection. , 2022, , .		0
1585	Infrared and Visible Image Fusion based on Log-domain Decomposition and Information Interaction. , 2022, , .		0
1586	Visual Perception Based Blind Stereoscopic Omnidirectional Video Quality Assessment. , 2022, , .		1
1587	Medical image fusion using enhanced cross-visual cortex model based on artificial selection and impulse-coupled neural network. Computer Methods and Programs in Biomedicine, 2023, 229, 107304.	2.6	5
1588	Use of Metrological Characteristics in Ultrasound Imaging and Artificial Intelligence Techniques for Disease Prediction in Soft Tissue Organs. , 2023, , 1-33.		0
1589	A multimodal fusion method for Alzheimerâ€™s disease based on DCT convolutional sparse representation. Frontiers in Neuroscience, 0, 16, .	1.4	2
1590	Infrared and Visible Image Fusion Technology and Application: A Review. Sensors, 2023, 23, 599.	2.1	25
1591	A perceptual framework for infraredâ€“visible image fusion based on multiscale structure decomposition and biological vision. Information Fusion, 2023, 93, 174-191.	11.7	6
1592	Research on Single Object Detection Technology Based on Infrared Multi-spectrum Fusion. , 2022, , .		1
1593	Infrared and visible image fusion algorithm based on spatial domain and image features. PLoS ONE, 2022, 17, e0278055.	1.1	0
1594	Automatic target recognition of SAR images based on Transformer. , 2021, , .		0

#	Article	IF	Citations
1595	RADFNet: An infrared and visible image fusion framework based on distributed network. Frontiers in Plant Science, 0, 13, .	1.7	1
1596	Image Fusion Technology in Agriculture. , 2023, , 1-15.		0
1597	Panchromatic and Multispectral Image Fusion Combining GIHS, NSST, and PCA. Applied Sciences (Switzerland), 2023, 13, 1412.	1.3	3
1598	Underwater bubble plumes multi-scale morphological feature extraction and state recognition method. Neural Computing and Applications, 0, , .	3.2	0
1599	A novel cell image fusion approach based on the collaboration of multilevel latent Low-Rank representation and the convolutional neural network. Biomedical Signal Processing and Control, 2023, 83, 104654.	3.5	0
1600	NSCT-DWT-SVD Composite Digital Watermarking Algorithm based on QR Code. , 2022, , .		1
1601	JADD-GAN: A Joint Attention Generative Adversarial Data Fusion Network for Object Detection and Tracking. , 2022, , .		0
1602	Medical Image Fusion Using a New Entropy Measure Between Intuitionistic Fuzzy Sets Joint Gaussian Curvature Filter. IEEE Transactions on Radiation and Plasma Medical Sciences, 2023, 7, 494-508.	2.7	6
1603	Multimodal Image Fusion for X-ray Grating Interferometry. Sensors, 2023, 23, 3115.	2.1	2
1604	Infrared and visible image fusion with entropy-based adaptive fusion module and mask-guided convolutional neural network. Infrared Physics and Technology, 2023, 131, 104629.	1.3	5
1605	A cascading l0 regularization reconstruction method in nonsubsampled contourlet domain for limited-angle CT. Applied Mathematics and Computation, 2023, 451, 128013.	1.4	0
1606	Image denoising technology of power equipment based on deep residual network. , 2022, , .		0
1607	PCNN Model Guided by Saliency Mechanism for Image Fusion in Transform Domain. Sensors, 2023, 23, 2488.	2.1	2
1608	Sparse Representation-Based Multi-Focus Image Fusion Method via Local Energy in Shearlet Domain. Sensors, 2023, 23, 2888.	2.1	11
1609	Pansharpening Using Unsupervised Generative Adversarial Networks With Recursive Mixed-Scale Feature Fusion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 3742-3759.	2.3	9
1610	Multimodal medical image fusion based on average cross bilateral filtering. , 2022, , .		0
1611	Effective lung cancer diagnosis using multi-focus fusion of CT and PET images with deep learning strategies. Imaging Science Journal, 2023, 71, 378-394.	0.2	0
1612	Parameter adaptive pulse coupled neural network-based saliency map fusion strategy for salient object detection. Neural Computing and Applications, 2023, 35, 15743-15757.	3.2	1

#	Article	IF	Citations
1620	Edge Retention based CT and MRI fusion using decomposition techniques NSST and SWT. , 2023, , .		0
1632	Prior-guided dense up-down sampling network for face super-resolution and recognition. , 2023, , .		0
1639	Quaternion Wavelet Transform (QWT). Trends in Mathematics, 2023, , 59-106.	0.1	0
1647	Visibility Constrained Wide-Band Illumination Spectrum Design for Seeing-in-the-Dark. , 2023, , .		0
1648	Use of Metrological Characteristics in Ultrasound Imaging and Artificial Intelligence Techniques for Disease Prediction in Soft Tissue Organs. , 2023, , 1995-2027.		1
1651	Low light scene enhancement for object detection and tracking using multiscale decomposition and fusion. , 2023, , .		0
1658	Research on visible and infrared binocular image fusion algorithm based on improved NSCT. , 2023, , .		0
1659	Image Fusion Technology in Agriculture. , 2023, , 641-655.		0
1664	Depth of Field Extension for Microscopic Structured Light Vision System Based on Image Fusion. , 2023, , .		0
1665	COVID-SR: A Priori Knowledge-Based Multi-Scale Fusion Super-Resolution Network For COVID-19 CT Images. , 2023, , .		0
1667	Automated Cervical Dysplasia Detection: A Multi-resolution Transform-Based Approach. Algorithms for Intelligent Systems, 2023, , 185-200.	0.5	0
1668	Medical Image Fusion Based on Adaptive Pulse Coupled Neural Networks and Nonsubsampled Contourlet Transform. , 2023, , .		0
1669	Photoelectric pod image fusion algorithm based on LatLRR and NSCT. , 2023, , .		0
1673	A Medical Image Fusion Method Based on Detail Enhancement Decomposition. , 2023, , .		0
1678	NIR-assisted Video Enhancement via Unpaired 24-hour Data. , 2023, , .		0
1688	A Statistically Efficient Method for Fusion of Multimodal Images in NSCT Domain. , 2023, , .		0
1695	Feature fusion for medical data. , 2024, , 299-317.		0