Lei Zhang

List of Publications by Year
in descending order

418 papers	56,424 citations	2970 93 h-index	2076 204 g-index
425 all docs	425 docs citations	425 times ranked	24710 citing authors

#	Article	IF	Citations
1	Confusion-Based Metric Learning for Regularizing Zero-Shot Image Retrieval and Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1884-1897.	7.2	1
2	Plug-and-Play Image Restoration With Deep Denoiser Prior. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6360-6376.	9.7	289
3	Directional Deep Embedding and Appearance Learning for Fast Video Object Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3884-3894.	7.2	5
4	Robust 3D reconstruction from uncalibrated small motion clips. Visual Computer, 2022, 38, 1589-1605.	2.5	3
5	Detachable Second-Order Pooling: Toward High-Performance First-Order Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3400-3414.	7.2	1
6	Grid Anchor Based Image Cropping: A New Benchmark and An Efficient Model. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1304-1319.	9.7	10
7	Robust Low-Rank Analysis with Adaptive Weighted Tensor for Image Denoising. Displays, 2022, , 102200.	2.0	2
8	Look More Into Occlusion: Realistic Face Frontalization and Recognition With BoostGAN. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 214-228.	7.2	32
9	Generalized Unitarily Invariant Gauge Regularization for Fast Low-Rank Matrix Recovery. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1627-1641.	7.2	6
10	Learning Manifold Structures With Subspace Segmentations. IEEE Transactions on Cybernetics, 2021, 51, 1981-1992.	6.2	8
11	AGUnet: Annotation-guided U-net for fast one-shot video object segmentation. Pattern Recognition, 2021, 110, 107580.	5.1	13
12	Deep Blind Hyperspectral Image Super-Resolution. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2388-2400.	7.2	57
13	Simultaneous Fidelity and Regularization Learning for Image Restoration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 284-299.	9.7	54
14	Scaled Simplex Representation for Subspace Clustering. IEEE Transactions on Cybernetics, 2021, 51, 1493-1505.	6.2	43
15	Second-Order Camera-Aware Color Transformation for Cross-Domain Person Re-identification. Lecture Notes in Computer Science, 2021, , 36-53.	1.0	2
16	Part-Aware Attention Network for Person Re-identification. Lecture Notes in Computer Science, 2021, , 136-152.	1.0	0
17	CameraNet: A Two-Stage Framework for Effective Camera ISP Learning. IEEE Transactions on Image Processing, 2021, 30, 2248-2262.	6.0	29
18	Embarrassingly Simple Binarization for Deep Single Imagery Super-Resolution Networks. IEEE Transactions on Image Processing, 2021, 30, 3934-3945.	6.0	5

#	Article	IF	Citations
19	MGSeg: Multiple Granularity-Based Real-Time Semantic Segmentation Network. IEEE Transactions on Image Processing, 2021, 30, 7200-7214.	6.0	19
20	Joint Denoising and Demosaicking With Green Channel Prior for Real-World Burst Images. IEEE Transactions on Image Processing, 2021, 30, 6930-6942.	6.0	20
21	Online Rain/Snow Removal From Surveillance Videos. IEEE Transactions on Image Processing, 2021, 30, 2029-2044.	6.0	27
22	Degradation Model Learning for Real-World Single Image Super-Resolution. Lecture Notes in Computer Science, 2021, , 84-101.	1.0	1
23	Deep Convolutional Dictionary Learning for Image Denoising. , 2021, , .		51
24	HDR Video Reconstruction: A Coarse-to-fine Network and A Real-world Benchmark Dataset. , 2021, , .		23
25	Group Maximum Differentiation Competition: Model Comparison with Few Samples. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 851-864.	9.7	36
26	Multiple Regressions based Image Super-resolution. Multimedia Tools and Applications, 2020, 79, 8911-8927.	2.6	2
27	A Unified Probabilistic Formulation of Image Aesthetic Assessment. IEEE Transactions on Image Processing, 2020, 29, 1548-1561.	6.0	52
28	Robust Multiview Subspace Learning With Nonindependently and Nonidentically Distributed Complex Noise. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1070-1083.	7.2	14
29	Optimal Projection Guided Transfer Hashing for Image Retrieval. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3788-3802.	5.6	22
30	Accurate Tensor Completion via Adaptive Low-Rank Representation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4170-4184.	7.2	14
31	Adversarial Feature Sampling Learning for Efficient Visual Tracking. IEEE Transactions on Automation Science and Engineering, 2020, 17, 847-857.	3.4	7
32	Jointly Learning the Discriminative Dictionary and Projection for Face Recognition. Mathematical Problems in Engineering, 2020, 2020, 1-17.	0.6	1
33	Learning Symmetry Consistent Deep CNNs for Face Completion. IEEE Transactions on Image Processing, 2020, 29, 7641-7655.	6.0	19
34	Dark and Bright Channel Prior Embedded Network for Dynamic Scene Deblurring. IEEE Transactions on Image Processing, 2020, 29, 6885-6897.	6.0	57
35	Deep-Like Hashing-in-Hash for Visual Retrieval: An Embarrassingly Simple Method. IEEE Transactions on Image Processing, 2020, 29, 8149-8162.	6.0	7
36	Remove Cosine Window From Correlation Filter-Based Visual Trackers: When and How. IEEE Transactions on Image Processing, 2020, 29, 7045-7060.	6.0	7

#	Article	IF	Citations
37	Completed Extremely Nonnegative DMD for Color Texture Classification. IEEE Access, 2020, 8, 103034-103046.	2.6	1
38	Confidence-Based Large-Scale Dense Multi-View Stereo. IEEE Transactions on Image Processing, 2020, 29, 7176-7191.	6.0	25
39	Deep Saliency Hashing for Fine-Grained Retrieval. IEEE Transactions on Image Processing, 2020, 29, 5336-5351.	6.0	37
40	Blind Image Quality Assessment with Visual Sensitivity Enhanced Dual-Channel Deep Convolutional Neural Network. , 2020, , .		1
41	PID Controller-Based Stochastic Optimization Acceleration for Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5079-5091.	7.2	35
42	Damage assessments of composite under the environment with strong noise based on synchrosqueezing wavelet transform and stack autoencoder algorithm. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107587.	2.5	16
43	Denoising arterial spin labeling perfusion MRI with deep machine learning. Magnetic Resonance Imaging, 2020, 68, 95-105.	1.0	59
44	Learning a Single Tucker Decomposition Network for Lossy Image Compression With Multiple Bits-per-Pixel Rates. IEEE Transactions on Image Processing, 2020, 29, 3612-3625.	6.0	25
45	Learned Dynamic Guidance for Depth Image Reconstruction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2437-2452.	9.7	12
46	Fast Multi-Scale Structural Patch Decomposition for Multi-Exposure Image Fusion. IEEE Transactions on Image Processing, 2020, 29, 5805-5816.	6.0	88
47	Joint Multi-source Reduction. Lecture Notes in Computer Science, 2020, , 293-309.	1.0	0
48	Momentum Batch Normalization for Deep Learning with Small Batch Size. Lecture Notes in Computer Science, 2020, , 224-240.	1.0	19
49	LST-Net: Learning a Convolutional Neural Network with a Learnable Sparse Transform. Lecture Notes in Computer Science, 2020, , 562-579.	1.0	6
50	A Decoupled Learning Scheme for Real-World Burst Denoising from Raw Images. Lecture Notes in Computer Science, 2020, , 150-166.	1.0	7
51	Dual Adversarial Network: Toward Real-World Noise Removal and Noise Generation. Lecture Notes in Computer Science, 2020, , 41-58.	1.0	90
52	Blind Face Restoration via Deep Multi-scale Component Dictionaries. Lecture Notes in Computer Science, 2020, , 399-415.	1.0	74
53	Learning Image-adaptive 3D Lookup Tables for High Performance Photo Enhancement in Real-time. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, PP, 1-1.	9.7	75
54	Cost-Effective Object Detection: Active Sample Mining With Switchable Selection Criteria. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 834-850.	7.2	18

#	Article	IF	Citations
55	Intracluster Structured Low-Rank Matrix Analysis Method for Hyperspectral Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 866-880.	2.7	28
56	Foreground Gating and Background Refining Network for Surveillance Object Detection. IEEE Transactions on Image Processing, 2019, 28, 6077-6090.	6.0	52
57	CoLR: Classification-Oriented Local Representation for Image Recognition. Complexity, 2019, 2019, 1-17.	0.9	1
58	A separation–aggregation network for image denoising. Applied Soft Computing Journal, 2019, 83, 105603.	4.1	15
59	Bayesian Nonnegative Matrix Factorization with a Truncated Spike-and-Slab Prior. , 2019, , .		0
60	Sparse, collaborative, or nonnegative representation: Which helps pattern classification?. Pattern Recognition, 2019, 88, 679-688.	5.1	106
61	Panoramic Background Image Generation for PTZ Cameras. IEEE Transactions on Image Processing, 2019, 28, 3162-3176.	6.0	22
62	Study on Pavement Defect Detection Based on Image Processing Utilizing UAV. Journal of Physics: Conference Series, 2019, 1168, 042011.	0.3	13
63	Accurate imagery recovery using a multi-observation patch model. Information Sciences, 2019, 501, 724-741.	4.0	0
64	A Benchmark for Edge-Preserving Image Smoothing. IEEE Transactions on Image Processing, 2019, 28, 3556-3570.	6.0	54
65	NTIRE 2019 Challenge on Real Image Super-Resolution: Methods and Results. , 2019, , .		35
66	Toward Real-World Single Image Super-Resolution: A New Benchmark and a New Model. , 2019, , .		231
67	Dynamic Anchor Feature Selection for Single-Shot Object Detection. , 2019, , .		46
68	Reliable and Efficient Image Cropping: A Grid Anchor Based Approach. , 2019, , .		36
69	Second-Order Attention Network for Single Image Super-Resolution. , 2019, , .		985
70	Toward Convolutional Blind Denoising of Real Photographs. , 2019, , .		552
71	Deep Plug-And-Play Super-Resolution for Arbitrary Blur Kernels. , 2019, , .		214
72	Low-Rank Approximation via the Generalized Reweighted Iterative Nuclear Norm. , 2019, , .		1

#	Article	IF	Citations
73	Learning Aggregated Transmission Propagation Networks for Haze Removal and Beyond. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2973-2986.	7.2	60
74	Learning Converged Propagations With Deep Prior Ensemble for Image Enhancement. IEEE Transactions on Image Processing, 2019, 28, 1528-1543.	6.0	53
75	Learning Support Correlation Filters for Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1158-1172.	9.7	71
76	Parallel Coordinates Based Visualization for High-Dimensional Data. , 2019, , .		2
77	Bayesian inference for adaptive low rank and sparse matrix estimation. Neurocomputing, 2018, 291, 71-83.	3.5	10
78	Partial Deconvolution With Inaccurate Blur Kernel. IEEE Transactions on Image Processing, 2018, 27, 511-524.	6.0	23
79	External Prior Guided Internal Prior Learning for Real-World Noisy Image Denoising. IEEE Transactions on Image Processing, 2018, 27, 2996-3010.	6.0	105
80	On Unifying Multi-view Self-Representations for Clustering by Tensor Multi-rank Minimization. International Journal of Computer Vision, 2018, 126, 1157-1179.	10.9	241
81	Cluster Sparsity Field: An Internal Hyperspectral Imagery Prior for Reconstruction. International Journal of Computer Vision, 2018, 126, 797-821.	10.9	63
82	Active Self-Paced Learning for Cost-Effective and Progressive Face Identification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 7-19.	9.7	110
83	BoMW: Bag of Manifold Words for One-Shot Learning Gesture Recognition From Kinect. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2562-2573.	5.6	23
84	Robust Online Matrix Factorization for Dynamic Background Subtraction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1726-1740.	9.7	117
85	3D Fingerprint Reconstruction and Recognition. , 2018, , 177-212.		3
86	Local Features for Finger-Knuckle-Print Recognition. , 2018, , 111-130.		1
87	Line Scan Palmprint Recognition System. , 2018, , 235-257.		4
88	Clustering based content and color adaptive tone mapping. Computer Vision and Image Understanding, 2018, 168, 37-49.	3.0	38
89	A Hybrid l1-l0 Layer Decomposition Model for Tone Mapping. , 2018, , .		83
90	A PID Controller Approach for Stochastic Optimization of Deep Networks. , 2018, , .		60

#	Article	IF	Citations
91	Learning a Single Convolutional Super-Resolution Network for Multiple Degradations. , 2018, , .		618
92	An extended variational image decomposition model for color image enhancement. Neurocomputing, 2018, 322, 216-228.	3.5	10
93	Blind Image Quality Assessment with a Probabilistic Quality Representation. , 2018, , .		41
94	Accurate Spectral Super-Resolution from Single RGB Image Using Multi-scale CNN. Lecture Notes in Computer Science, 2018, , 206-217.	1.0	45
95	A Trilateral Weighted Sparse Coding Scheme for Real-World Image Denoising. Lecture Notes in Computer Science, 2018, , 21-38.	1.0	137
96	Deep Image Compression with Iterative Non-Uniform Quantization. , 2018, , .		13
97	Convolutional Neural Networks for Image Denoising and Restoration. Advances in Computer Vision and Pattern Recognition, 2018, , 93-123.	0.9	10
98	Multi-Exposure Fusion with CNN Features. , 2018, , .		28
99	FFDNet: Toward a Fast and Flexible Solution for CNN-Based Image Denoising. IEEE Transactions on Image Processing, 2018, 27, 4608-4622.	6.0	1,554
100	End-to-end temporal attention extraction and human action recognition. Machine Vision and Applications, 2018, 29, 1127-1142.	1.7	7
101	Joint Representation and Truncated Inference Learning for Correlation Filter Based Tracking. Lecture Notes in Computer Science, 2018, , 560-575.	1.0	27
102	Hand Back Skin Texture for Personal Identification. , 2018, , 213-233.		1
103	The Resolution for Fingerprint Recognition. , 2018, , 65-81.		1
104	Finger-Knuckle-Print Verification. , 2018, , 85-109.		3
105	Global Information for Finger-Knuckle-Print Recognition. , 2018, , 131-149.		2
106	Door Knob Hand Recognition System. , 2018, , 259-284.		0
107	Online 3D Ear Recognition. , 2018, , 309-328.		3
108	Fingerprint Pore Modeling and Extraction. , 2018, , 41-63.		1

#	Article	IF	Citations
109	Local Log-Euclidean Multivariate Gaussian Descriptor and Its Application to Image Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 803-817.	9.7	61
110	Cross-Domain Visual Matching via Generalized Similarity Measure and Feature Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1089-1102.	9.7	114
111	Beyond a Gaussian Denoiser: Residual Learning of Deep CNN for Image Denoising. IEEE Transactions on Image Processing, 2017, 26, 3142-3155.	6.0	4,738
112	Robust Multi-Exposure Image Fusion: A Structural Patch Decomposition Approach. IEEE Transactions on Image Processing, 2017, 26, 2519-2532.	6.0	250
113	High-Order Local Pooling and Encoding Gaussians Over a Dictionary of Gaussians. IEEE Transactions on Image Processing, 2017, 26, 3372-3384.	6.0	6
114	Waterloo Exploration Database: New Challenges for Image Quality Assessment Models. IEEE Transactions on Image Processing, 2017, 26, 1004-1016.	6.0	411
115	Evolutionary Cost-Sensitive Discriminative Learning With Application to Vision and Olfaction. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 198-211.	2.4	5
116	Deep Location-Specific Tracking. , 2017, , .		22
117	Image Restoration: From Sparse and Low-Rank Priors to Deep Priors [Lecture Notes]. IEEE Signal Processing Magazine, 2017, 34, 172-179.	4.6	92
118	Joint Image Denoising and Disparity Estimation via Stereo Structure PCA and Noise-Tolerant Cost. International Journal of Computer Vision, 2017, 124, 204-222.	10.9	13
119	Distance Metric Learning via Iterated Support Vector Machines. IEEE Transactions on Image Processing, 2017, 26, 4937-4950.	6.0	29
120	An Efficient Globally Optimal Algorithm for Asymmetric Point Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1281-1293.	9.7	28
121	Weighted Nuclear Norm Minimization and Its Applications to Low Level Vision. International Journal of Computer Vision, 2017, 121, 183-208.	10.9	566
122	Multi-channel Weighted Nuclear Norm Minimization for Real Color Image Denoising. , 2017, , .		194
123	Deep Convolutional Neural Models for Picture-Quality Prediction: Challenges and Solutions to Data-Driven Image Quality Assessment. IEEE Signal Processing Magazine, 2017, 34, 130-141.	4.6	226
124	Learning Deep CNN Denoiser Prior for Image Restoration. , 2017, , .		1,161
125	Joint Convolutional Analysis and Synthesis Sparse Representation for Single Image Layer Separation. , 2017, , .		141
126	Deep Learning in Visual Computing and Signal Processing. Applied Computational Intelligence and Soft Computing, 2017, 2017, 1-13.	1.6	91

#	ARTICLE	IF	CITATIONS
127	Patch Group Based Bayesian Learning for Blind Image Denoising. Lecture Notes in Computer Science, 2017, , 79-95.	1.0	7
128	Sparse Softmax Vector Coding Based Deep Cascade Model. Communications in Computer and Information Science, 2017, , 603-614.	0.4	4
129	Improved single image super-resolution based on edge directed interpolation. Proceedings of SPIE, 2016, , .	0.8	0
130	Group MAD Competition? A New Methodology to Compare Objective Image Quality Models. , 2016, , .		56
131	A Probabilistic Collaborative Representation Based Approach for Pattern Classification. , 2016, , .		196
132	Joint Learning of Single-Image and Cross-Image Representations for Person Re-identification. , 2016, , .		260
133	Dictionary Pair Classifier Driven Convolutional Neural Networks for Object Detection. , 2016, , .		29
134	Visual Understanding via Multi-Feature Shared Learning With Global Consistency. IEEE Transactions on Multimedia, 2016, 18, 247-259.	5.2	46
135	Semi-supervised subspace learning with L2graph. Neurocomputing, 2016, 208, 143-152.	3.5	11
136	Dictionary Learning for Promoting Structured Sparsity in Hyperspectral Compressive Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7223-7235.	2.7	47
137	Exploring Structured Sparsity by a Reweighted Laplace Prior for Hyperspectral Compressive Sensing. IEEE Transactions on Image Processing, 2016, 25, 4974-4988.	6.0	65
138	The Public Security and Personal Privacy Survey: Biometric Technology in Hong Kong. IEEE Security and Privacy, 2016, 14, 12-21.	1.5	5
139	Weighted Schatten <inline-formula> <tex-math notation="LaTeX">p </tex-math> </inline-formula>-Norm Minimization for Image Denoising and Background Subtraction. IEEE Transactions on Image Processing, 2016, 25, 4842-4857.	6.0	297
140	Joint Learning of Multiple Regressors for Single Image Super-Resolution. IEEE Signal Processing Letters, 2016, 23, 102-106.	2.1	37
141	Evaluation of ground distances and features in EMD-based GMM matching for texture classification. Pattern Recognition, 2016, 57, 152-163.	5.1	10
142	Towards effective codebookless model for image classification. Pattern Recognition, 2016, 59, 63-71.	5.1	26
143	Learning Iteration-wise Generalized Shrinkage-Thresholding Operators for Blind Deconvolution. IEEE Transactions on Image Processing, 2016, 25, 1-1.	6.0	81
144	A Deep Structured Model with Radius–Margin Bound for 3D Human Activity Recognition. International Journal of Computer Vision, 2016, 118, 256-273.	10.9	85

#	Article	IF	Citations
145	MetricFusion: Generalized metric swarm learning for similarity measure. Information Fusion, 2016, 30, 80-90.	11.7	14
146	A Unified Framework for Representation-Based Subspace Clustering of Out-of-Sample and Large-Scale Data. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2499-2512.	7.2	107
147	A Level Set Approach to Image Segmentation With Intensity Inhomogeneity. IEEE Transactions on Cybernetics, 2016, 46, 546-557.	6.2	390
148	Cluster Sparsity Field for Hyperspectral Imagery Denoising. Lecture Notes in Computer Science, 2016, , 631-647.	1.0	10
149	Learning a lightweight deep convolutional network for joint age and gender recognition. , 2016, , .		1
150	A Study on Consistency between MINAVE and MINMAX in SSIM Based Independent Perceptual Video Coding. IEICE Transactions on Information and Systems, 2015, E98.D, 1417-1421.	0.4	1
151	Robust Visual Correlation Tracking. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	9
152	Discriminative learning of iteration-wise priors for blind deconvolution. , 2015, , .		28
153	Convolutional Sparse Coding for Image Super-Resolution. , 2015, , .		225
154	High-order information for robust iris recognition under less controlled conditions. , 2015, , .		9
155	Patch Group Based Nonlocal Self-Similarity Prior Learning for Image Denoising. , 2015, , .		251
156	External Patch Prior Guided Internal Clustering for Image Denoising. , 2015, , .		107
157	Robust low-rank tensor factorization by cyclic weighted median. Science China Information Sciences, 2015, 58, 1-11.	2.7	7
158	Extended collaborative neighbor representation for robust single-sample face recognition. Neural Computing and Applications, 2015, 26, 1991-2000.	3.2	7
159	A Feature-Enriched Completely Blind Image Quality Evaluator. IEEE Transactions on Image Processing, 2015, 24, 2579-2591.	6.0	770
160	Full-Space Local Topology Extraction for Cross-Modal Retrieval. IEEE Transactions on Image Processing, 2015, 24, 2212-2224.	6.0	70
161	Bit-Scalable Deep Hashing With Regularized Similarity Learning for Image Retrieval and Person Re-Identification. IEEE Transactions on Image Processing, 2015, 24, 4766-4779.	6.0	422
162	End-to-End Photo-Sketch Generation via Fully Convolutional Representation Learning. , 2015, , .		102

#	ARTICLE	IF	CITATIONS
163	A Kernel Classification Framework for Metric Learning. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1950-1962.	7.2	87
164	Effective texture classification by texton encoding induced statistical features. Pattern Recognition, 2015, 48, 447-457.	5.1	37
165	Sparsely encoded local descriptor for face verification. Neurocomputing, 2015, 147, 403-411.	3.5	4
166	Unsupervised feature selection by regularized self-representation. Pattern Recognition, 2015, 48, 438-446.	5.1	247
167	Local Generic Representation for Face Recognition with Single Sample per Person. Lecture Notes in Computer Science, 2015, , 34-50.	1.0	33
168	Decoupled Marginal Distribution of Gradient Magnitude and Laplacian of Gaussian for Texture Classification. Communications in Computer and Information Science, 2015, , 418-428.	0.4	0
169	LoG acts as a good feature in the task of image quality assessment. Proceedings of SPIE, 2014, , .	0.8	5
170	Comparative performance of texton based vascular tree segmentation in retinal images. , 2014, , .		2
171	Weighted Nuclear Norm Minimization with Application to Image Denoising. , 2014, , .		1,240
172	Gradient Magnitude Similarity Deviation: A Highly Efficient Perceptual Image Quality Index. IEEE Transactions on Image Processing, 2014, 23, 684-695.	6.0	1,131
173	Gradient Histogram Estimation and Preservation for Texture Enhanced Image Denoising. IEEE Transactions on Image Processing, 2014, 23, 2459-2472.	6.0	99
174	Mixed Noise Removal by Weighted Encoding With Sparse Nonlocal Regularization. IEEE Transactions on Image Processing, 2014, 23, 2651-2662.	6.0	182
175	Transductive Gaussian processes for image denoising. , 2014, , .		3
176	Point Matching in the Presence of Outliers in Both Point Sets: A Concave Optimization Approach. , 2014, , .		13
177	Blind Image Quality Assessment Using Joint Statistics of Gradient Magnitude and Laplacian Features. IEEE Transactions on Image Processing, 2014, 23, 4850-4862.	6.0	492
178	Fast Compressive Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2002-2015.	9.7	479
179	A Sparse Embedding and Least Variance Encoding Approach to Hashing. IEEE Transactions on Image Processing, 2014, 23, 3737-3750.	6.0	205
180	Image Set-Based Collaborative Representation for Face Recognition. IEEE Transactions on Information Forensics and Security, 2014, 9, 1120-1132.	4.5	120

#	Article	IF	Citations
181	Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classification. International Journal of Computer Vision, 2014, 109, 209-232.	10.9	425
182	Nearest convex hull classification by using Lotka–Volterra recurrent neural networks. Neurocomputing, 2014, 138, 157-166.	3.5	2
183	Fast and robust face recognition via coding residual map learning based adaptive masking. Pattern Recognition, 2014, 47, 535-543.	5.1	28
184	Learning locality-constrained collaborative representation for robust face recognition. Pattern Recognition, 2014, 47, 2794-2806.	5.1	85
185	Shrinkage Expansion Adaptive Metric Learning. Lecture Notes in Computer Science, 2014, , 456-471.	1.0	10
186	Support Vector Guided Dictionary Learning. Lecture Notes in Computer Science, 2014, , 624-639.	1.0	74
187	Fast Visual Tracking via Dense Spatio-temporal Context Learning. Lecture Notes in Computer Science, 2014, , 127-141.	1.0	413
188	A learning-based method for compressive image recovery. Journal of Visual Communication and Image Representation, 2013, 24, 1055-1063.	1.7	14
189	Robust Object Tracking Via Active Feature Selection. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1957-1967.	5.6	37
190	Robust Kernel Representation With Statistical Local Features for Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 900-912.	7.2	103
191	Real-Time Object Tracking Via Online Discriminative Feature Selection. IEEE Transactions on Image Processing, 2013, 22, 4664-4677.	6.0	189
192	Joint segmentation and pairing of multispectral chromosome images. Pattern Analysis and Applications, 2013, 16, 497-506.	3.1	3
193	Reconstruction Based Finger-Knuckle-Print Verification With Score Level Adaptive Binary Fusion. IEEE Transactions on Image Processing, 2013, 22, 5050-5062.	6.0	40
194	Texture Enhanced Image Denoising via Gradient Histogram Preservation. , 2013, , .		74
195	Joint Registration and Active Contour Segmentation for Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1589-1597.	5.6	21
196	Perceptual Fidelity Aware Mean Squared Error. , 2013, , .		24
197	Sparse Variation Dictionary Learning for Face Recognition with a Single Training Sample per Person. , 2013, , .		125
198	A survey of graph theoretical approaches to image segmentation. Pattern Recognition, 2013, 46, 1020-1038.	5.1	306

#	Article	IF	Citations
199	Nonlocally Centralized Sparse Representation for Image Restoration. IEEE Transactions on Image Processing, 2013, 22, 1620-1630.	6.0	1,248
200	Gabor feature based robust representation and classification for face recognition with Gabor occlusion dictionary. Pattern Recognition, 2013, 46, 1865-1878.	5.1	129
201	Joint discriminative dimensionality reduction and dictionary learning for face recognition. Pattern Recognition, 2013, 46, 2134-2143.	5.1	97
202	Regularized Robust Coding for Face Recognition. IEEE Transactions on Image Processing, 2013, 22, 1753-1766.	6.0	243
203	Reinitialization-Free Level Set Evolution via Reaction Diffusion. IEEE Transactions on Image Processing, 2013, 22, 258-271.	6.0	179
204	Sparse Representation Classifier Steered Discriminative Projection With Applications to Face Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1023-1035.	7.2	184
205	Sparse Representation Based Image Interpolation With Nonlocal Autoregressive Modeling. IEEE Transactions on Image Processing, 2013, 22, 1382-1394.	6.0	332
206	Collaborative neighbor representation based classification using -minimization approach. Pattern Recognition Letters, 2013, 34, 201-208.	2.6	96
207	Learning without Human Scores for Blind Image Quality Assessment. , 2013, , .		286
208	Algorithmic scatter correction in dual-energy digital mammography. Medical Physics, 2013, 40, 111919.	1.6	7
209	Local binary pattern statistics feature for reduced reference image quality assessment. Proceedings of SPIE, 2013, , .	0.8	6
210	Log-Euclidean Kernels for Sparse Representation and Dictionary Learning. , 2013, , .		87
211	Face recognition based on regularized nearest points between image sets. , 2013, , .		114
212	A Generalized Iterated Shrinkage Algorithm for Non-convex Sparse Coding. , 2013, , .		233
213	Scalable Sparse Subspace Clustering. , 2013, , .		111
214	A Novel Earth Mover's Distance Methodology for Image Matching with Gaussian Mixture Models. , 2013, , .		52
215	From Point to Set: Extend the Learning of Distance Metrics. , 2013, , .		97
216	Block-layer bit allocation for quality constrained video encoding based on constant perceptual quality. , 2013, , .		3

#	Article	IF	Citations
217	Multi-scale Patch Based Collaborative Representation for Face Recognition with Margin Distribution Optimization. Lecture Notes in Computer Science, 2012, , 822-835.	1.0	117
218	A Study of Hand Back Skin Texture Patterns for Personal Identification and Gender Classification. Sensors, 2012, 12, 8691-8709.	2.1	14
219	Sample Pair Selection for Attribute Reduction with Rough Set. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 2080-2093.	4.0	97
220	Real-Time Compressive Tracking. Lecture Notes in Computer Science, 2012, , 864-877.	1.0	911
221	Reduced reference image quality assessment via sub-image similarity based redundancy measurement. , 2012, , .		4
222	A perceptual quality based rate distortion model. , 2012, , .		1
223	A comprehensive evaluation of full reference image quality assessment algorithms. , 2012, , .		138
224	Relaxed collaborative representation for pattern classification. , 2012, , .		79
225	GPU-based fusion method for 3D electrophysiological data visualization. , 2012, , .		7
226	Algorithmic scatter correction in dual-energy digital mammography for calcification imaging. , 2012, , .		1
227	Block-layer optimal bit allocation based on constant perceptual quality. Proceedings of SPIE, 2012, , .	0.8	2
228	Rank Entropy-Based Decision Trees for Monotonic Classification. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 2052-2064.	4.0	147
229	Monogenic Binary Coding: An Efficient Local Feature Extraction Approach to Face Recognition. IEEE Transactions on Information Forensics and Security, 2012, 7, 1738-1751.	4.5	93
230	Image reconstruction with locally adaptive sparsity and nonlocal robust regularization. Signal Processing: Image Communication, 2012, 27, 1109-1122.	1.8	69
231	Semi-coupled dictionary learning with applications to image super-resolution and photo-sketch synthesis. , 2012, , .		140
232	ℓ_{2} Restoration of ℓ_{∞}-Decoded Images Via Soft-Decision Estimation. IEEE Transactions on Image Processing, 2012, 21, 4797-4807.	6.0	13
233	On Robust Fuzzy Rough Set Models. IEEE Transactions on Fuzzy Systems, 2012, 20, 636-651.	6.5	130
234	Low-Dose X-ray CT Reconstruction via Dictionary Learning. IEEE Transactions on Medical Imaging, 2012, 31, 1682-1697.	5.4	494

#	Article	IF	Citations
235	Color demosaicking with an image formation model and adaptive PCA. Journal of Visual Communication and Image Representation, 2012, 23, 1019-1030.	1.7	17
236	Principal Line-Based Alignment Refinement for Palmprint Recognition. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 1491-1499.	3.3	29
237	Adaptive spatiotemporal background modelling. IET Computer Vision, 2012, 6, 451-458.	1.3	5
238	Non-invasive blood glucose monitoring for diabetics by means of breath signal analysis. Sensors and Actuators B: Chemical, 2012, 173, 106-113.	4.0	75
239	Sparse Representation Classifier for microaneurysm detection and retinal blood vessel extraction. Information Sciences, 2012, 200, 78-90.	4.0	74
240	Robust mean-shift tracking with corrected background-weighted histogram. IET Computer Vision, 2012, 6, 62.	1.3	153
241	Scale and orientation adaptive mean shift tracking. IET Computer Vision, 2012, 6, 52.	1.3	104
242	Image denoising and zooming under the linear minimum mean square-error estimation framework. IET Image Processing, 2012, 6, 273.	1.4	11
243	Beyond sparsity: The role of L1-optimizer in pattern classification. Pattern Recognition, 2012, 45, 1104-1118.	5.1	216
244	Phase congruency induced local features for finger-knuckle-print recognition. Pattern Recognition, 2012, 45, 2522-2531.	5.1	107
245	Arbitrary body segmentation in static images. Pattern Recognition, 2012, 45, 3402-3413.	5.1	12
246	Sparse neighbor representation for classification. Pattern Recognition Letters, 2012, 33, 661-669.	2.6	26
247	Feature Selection for Monotonic Classification. IEEE Transactions on Fuzzy Systems, 2012, 20, 69-81.	6.5	88
248	A Novel Algorithm for Finding Reducts With Fuzzy Rough Sets. IEEE Transactions on Fuzzy Systems, 2012, 20, 385-389.	6.5	162
249	Feature Band Selection for Online Multispectral Palmprint Recognition. IEEE Transactions on Information Forensics and Security, 2012, 7, 1094-1099.	4.5	69
250	Rotation-Invariant Nonrigid Point Set Matching in Cluttered Scenes. IEEE Transactions on Image Processing, 2012, 21, 2786-2797.	6.0	22
251	Robust Point Matching Revisited: A Concave Optimization Approach. Lecture Notes in Computer Science, 2012, , 259-272.	1.0	14
252	Evaluation of Image Segmentation Quality by Adaptive Ground Truth Composition. Lecture Notes in Computer Science, 2012, , 287-300.	1.0	15

#	Article	IF	Citations
253	Efficient Misalignment-Robust Representation for Real-Time Face Recognition. Lecture Notes in Computer Science, 2012, , 850-863.	1.0	25
254	A linear subspace learning approach via sparse coding. , 2011, , .		27
255	Non-Shift Edge Based Ratio (NSER): An Image Quality Assessment Metric Based on Early Vision Features. IEEE Signal Processing Letters, 2011, 18, 315-318.	2.1	47
256	Centralized sparse representation for image restoration. , 2011, , .		176
257	Metasample-Based Sparse Representation for Tumor Classification. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 1273-1282.	1.9	107
258	Molecular Pattern Discovery Based on Penalized Matrix Decomposition. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 1592-1603.	1.9	86
259	Automatic Image Segmentation by Dynamic Region Merging. IEEE Transactions on Image Processing, 2011, 20, 3592-3605.	6.0	147
260	Sparsely Encoded Local Descriptor for face recognition. , 2011, , .		26
261	Fisher Discrimination Dictionary Learning for sparse representation. , 2011, , .		665
262	3-D Palmprint Recognition With Joint Line and Orientation Features. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 274-279.	3.3	58
263	Sparse representation or collaborative representation: Which helps face recognition?. , 2011, , .		1,161
264	Robust sparse coding for face recognition. , 2011, , .		413
265	Color demosaicking by local directional interpolation andÂnonlocal adaptive thresholding. Journal of Electronic Imaging, 2011, 20, 023016.	0.5	243
266	Palmprint Verification on Mobile Phones Using Accelerated Competitive Code. , 2011, , .		19
267	Sparsity-based image denoising via dictionary learning and structural clustering. , 2011, , .		325
268	Tumor Classification Based on Non-Negative Matrix Factorization Using Gene Expression Data. IEEE Transactions on Nanobioscience, 2011, 10, 86-93.	2.2	49
269	Band-Subset-Based Clustering and Fusion for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 747-756.	2.7	71
270	Image Deblurring and Super-Resolution by Adaptive Sparse Domain Selection and Adaptive Regularization. IEEE Transactions on Image Processing, 2011, 20, 1838-1857.	6.0	1,084

#	Article	IF	Citations
271	FSIM: A Feature Similarity Index for Image Quality Assessment. IEEE Transactions on Image Processing, 2011, 20, 2378-2386.	6.0	3,728
272	Computerized Wrist Pulse Signal Diagnosis Using Modified Auto-Regressive Models. Journal of Medical Systems, 2011, 35, 321-328.	2.2	74
273	From classifiers to discriminators: A nearest neighbor rule induced discriminant analysis. Pattern Recognition, 2011, 44, 1387-1402.	5.1	57
274	Measuring relevance between discrete and continuous features based on neighborhood mutual information. Expert Systems With Applications, 2011, 38, 10737-10750.	4.4	135
275	Online joint palmprint and palmvein verification. Expert Systems With Applications, 2011, 38, 2621-2631.	4.4	111
276	Ensemble of local and global information for finger–knuckle-print recognition. Pattern Recognition, 2011, 44, 1990-1998.	5.1	185
277	A multi-manifold discriminant analysis method for image feature extraction. Pattern Recognition, 2011, 44, 1649-1657.	5.1	159
278	Image retrieval based on micro-structure descriptor. Pattern Recognition, 2011, 44, 2123-2133.	5.1	333
279	Image segmentation by iterated region merging with localized graph cuts. Pattern Recognition, 2011, 44, 2527-2538.	5.1	64
280	Empirical study of light source selection for palmprint recognition. Pattern Recognition Letters, 2011, 32, 120-126.	2.6	31
281	An LDA based sensor selection approach used in breath analysis system. Sensors and Actuators B: Chemical, 2011, 157, 265-274.	4.0	12
282	Sparse representation-based classification for breath sample identification. Sensors and Actuators B: Chemical, 2011, 158, 43-53.	4.0	15
283	Sparsity-based image deblurring with locally adaptive and nonlocally robust regularization. , 2011, , .		2
284	Image noise sensitivity of dual-energy digital mammography for calcification imaging. , 2011, , .		1
285	Strategy of Statistics-Based Visualization for Segmented 3D Cardiac Volume Data Set. Lecture Notes in Computer Science, 2011, , 250-256.	1.0	2
286	Active contours with selective local or global segmentation: A new formulation and level set method. Image and Vision Computing, 2010, 28, 668-676.	2.7	694
287	Interactive image segmentation by maximal similarity based region merging. Pattern Recognition, 2010, 43, 445-456.	5.1	349
288	High resolution partial fingerprint alignment using pore–valley descriptors. Pattern Recognition, 2010, 43, 1050-1061.	5.1	100

#	Article	IF	Citations
289	Two-stage image denoising by principal component analysis with local pixel grouping. Pattern Recognition, 2010, 43, 1531-1549.	5.1	580
290	Color space normalization: Enhancing the discriminating power of color spaces for face recognition. Pattern Recognition, 2010, 43, 1454-1466.	5.1	95
291	Image retrieval based on multi-texton histogram. Pattern Recognition, 2010, 43, 2380-2389.	5.1	290
292	A Novel Breath Analysis System Based on Electronic Olfaction. IEEE Transactions on Biomedical Engineering, 2010, 57, 2753-2763.	2.5	146
293	An Online System of Multispectral Palmprint Verification. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 480-490.	2.4	355
294	A unified distance measurement for orientation coding in palmprint verification. Neurocomputing, 2010, 73, 944-950.	3.5	37
295	Feature extraction based on fuzzy 2DLDA. Neurocomputing, 2010, 73, 1556-1561.	3.5	35
296	Feature evaluation and selection based on neighborhood soft margin. Neurocomputing, 2010, 73, 2114-2124.	3.5	40
297	State smoothing in Markov jump systems with lagged mode observation. International Journal of Adaptive Control and Signal Processing, 2010, 24, 1005-1020.	2.3	5
298	Rotation invariant texture classification using LBP variance (LBPV) with global matching. Pattern Recognition, 2010, 43, 706-719.	5.1	705
299	Adaptive fingerprint pore modeling and extraction. Pattern Recognition, 2010, 43, 2833-2844.	5.1	100
300	Push–Pull marginal discriminant analysis for feature extraction. Pattern Recognition Letters, 2010, 31, 2345-2352.	2.6	8
301	Gaussian kernel based fuzzy rough sets: Model, uncertainty measures and applications. International Journal of Approximate Reasoning, 2010, 51, 453-471.	1.9	198
302	Laplacian bidirectional PCA for face recognition. Neurocomputing, 2010, 74, 487-493.	3.5	20
303	Active contours driven by local image fitting energy. Pattern Recognition, 2010, 43, 1199-1206.	5.1	640
304	Online finger-knuckle-print verification for personal authentication. Pattern Recognition, 2010, 43, 2560-2571.	5.1	303
305	Independent components extraction from image matrix. Pattern Recognition Letters, 2010, 31, 171-178.	2.6	18
306	Directional binary code with application to PolyU near-infrared face database. Pattern Recognition Letters, 2010, 31, 2337-2344.	2.6	120

#	Article	IF	Citations
307	Estimation of systems with statistically-constrained inputs. Applied Mathematics and Computation, 2010, 217, 2644-2656.	1.4	6
308	Retinal vessel extraction by matched filter with first-order derivative of Gaussian. Computers in Biology and Medicine, 2010, 40, 438-445.	3.9	444
309	Gene expression data classification using locally linear discriminant embedding. Computers in Biology and Medicine, 2010, 40, 802-810.	3.9	31
310	A quadratic programming based cluster correspondence projection algorithm for fast point matching. Computer Vision and Image Understanding, 2010, 114, 322-333.	3.0	12
311	Super-resolution with nonlocal regularized sparse representation. , 2010, , .		22
312	Context-based adaptive image resolution upconversion. Journal of Electronic Imaging, 2010, 19, 013008.	0.5	8
313	AN adaptive L_1–L_2 hybrid error model to super-resolution. , 2010, , .		3
314	Efficient joint 2D and 3D palmprint matching with alignment refinement. , 2010, , .		54
315	RFSIM: A feature based image quality assessment metric using Riesz transforms. , 2010, , .		145
316	Fingerprint Pore Matching Based on Sparse Representation. , 2010, , .		26
317	Segmentation of fingerprint image by using polarimetric feature. , 2010, , .		2
318	Monogenic Binary Pattern (MBP): A Novel Feature Extraction and Representation Model for Face Recognition. , 2010, , .		30
319	Metaface learning for sparse representation based face recognition. , 2010, , .		256
320	Parallel versus Hierarchical Fusion of Extended Fingerprint Features. , 2010, , .		3
321	Texture classification via patch-based sparse texton learning. , 2010, , .		29
322	A Completed Modeling of Local Binary Pattern Operator for Texture Classification. IEEE Transactions on Image Processing, 2010, 19, 1657-1663.	6.0	1,688
323	On the Dimensionality Reduction for Sparse Representation Based Face Recognition. , 2010, , .		63
324	Gabor Feature Based Sparse Representation for Face Recognition with Gabor Occlusion Dictionary. Lecture Notes in Computer Science, 2010, , 448-461.	1.0	274

#	ARTICLE	IF	CITATIONS
325	A Biologically Inspired Sensor Wakeup Control Method for Wireless Sensor Networks. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 525-538.	3.3	25
326	Feature Band Selection for Multispectral Palmprint Recognition. , 2010, , .		19
327	Studies on Hyperspectral Face Recognition in Visible Spectrum With Feature Band Selection. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 1354-1361.	3.4	117
328	A variational multiphase level set approach to simultaneous segmentation and bias correction. , 2010, , .		53
329	Rotation invariant texture classification using adaptive LBP with directional statistical features. , 2010, , .		52
330	Hierarchical multiscale LBP for face and palmprint recognition. , 2010, , .		89
331	Monogenic-LBP: A new approach for rotation invariant texture classification. , 2010, , .		48
332	Face Recognition Using a Multi-manifold Discriminant Analysis Method. , 2010, , .		8
333	MonogenicCode: A Novel Fast Feature Coding Algorithm with Applications to Finger-Knuckle-Print Recognition. , 2010, , .		29
334	Spatial-Temporal Color Video Reconstruction From Noisy CFA Sequence. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 838-847.	5.6	12
335	Microaneurysm (MA) Detection via Sparse Representation Classifier with MA and Non-MA Dictionary Learning. , 2010, , .		8
336	A comparative study on quality assessment of high resolution fingerprint images. , 2010, , .		19
337	A Multi-scale Bilateral Structure Tensor Based Corner Detector. Lecture Notes in Computer Science, 2010, , 618-627.	1.0	17
338	Iterated Graph Cuts for Image Segmentation. Lecture Notes in Computer Science, 2010, , 677-686.	1.0	17
339	Inferring the Transcriptional Modules Using Penalized Matrix Decomposition. Lecture Notes in Computer Science, 2010, , 35-41.	1.0	3
340	Rotation Invariant Non-rigid Shape Matching in Cluttered Scenes. Lecture Notes in Computer Science, 2010, , 506-518.	1.0	7
341	Max-Margin Dictionary Learning for Multiclass Image Categorization. Lecture Notes in Computer Science, 2010, , 157-170.	1.0	65
342	Applying LBP Operator to Gabor Response for Palmprint Identification. , 2009, , .		4

#	Article	IF	Citations
343	Context-based bias removal of statistical models of wavelet coefficients for image denoising. , 2009, , .		1
344	Wrist-Pulse Signal Diagnosis Using ICPulse. , 2009, , .		5
345	Finger-Knuckle-Print Verification Based on Band-Limited Phase-Only Correlation. Lecture Notes in Computer Science, 2009, , 141-148.	1.0	89
346	Principal line based ICP alignment for palmprint verification. , 2009, , .		4
347	Curvature and singularity driven diffusion for oriented pattern enhancement with singular points. , 2009, , .		3
348	Three dimensional palmprint recognition. , 2009, , .		25
349	Pattern Classification for Doppler Ultrasonic Wrist Pulse Signals. , 2009, , .		5
350	Sequential row–column independent component analysis for face recognition. Neurocomputing, 2009, 72, 1152-1159.	3.5	24
351	Feature extraction using fuzzy inverse FDA. Neurocomputing, 2009, 72, 3384-3390.	3.5	31
352	A Modified Matched Filter With Double-Sided Thresholding for Screening Proliferative Diabetic Retinopathy. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 528-534.	3.6	80
353	Tumor Clustering Using Nonnegative Matrix Factorization With Gene Selection. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 599-607.	3.6	186
354	Feature extraction based on Laplacian bidirectional maximum margin criterion. Pattern Recognition, 2009, 42, 2327-2334.	5.1	67
355	Wrist pulse signal diagnosis using modified Gaussian models and Fuzzy C-Means classification. Medical Engineering and Physics, 2009, 31, 1283-1289.	0.8	113
356	Object separation by polarimetric and spectral imagery fusion. Computer Vision and Image Understanding, 2009, 113, 855-866.	3.0	60
357	Palmprint verification using binary orientation co-occurrence vector. Pattern Recognition Letters, 2009, 30, 1219-1227.	2.6	235
358	ROBUST OBJECT TRACKING USING JOINT COLOR-TEXTURE HISTOGRAM. International Journal of Pattern Recognition and Artificial Intelligence, 2009, 23, 1245-1263.	0.7	179
359	Spectropolarimetric imaging for pathological analysis of skin. Applied Optics, 2009, 48, D236.	2.1	47
360	Palmprint Recognition Using 3-D Information. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 505-519.	3.3	136

#	ARTICLE	IF	CITATIONS
361	PCA-Based Spatially Adaptive Denoising of CFA Images for Single-Sensor Digital Cameras. IEEE Transactions on Image Processing, 2009, 18, 797-812.	6.0	132
362	Finger-knuckle-print: A new biometric identifier. , 2009, , .		126
363	Weighted Distance Based Sensor Selection for Target Tracking in Wireless Sensor Networks. IEEE Signal Processing Letters, 2009, 16, 647-650.	2.1	18
364	Nonlocal back-projection for adaptive image enlargement. , 2009, , .		51
365	Palmprint verification using consistent orientation coding. , 2009, , .		6
366	Robust Color Demosaicking With Adaptation to Varying Spectral Correlations. IEEE Transactions on Image Processing, 2009, 18, 2706-2717.	6.0	38
367	Evolutionary Discriminant Feature Extraction with Application to Face Recognition. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	5
368	Curvature and singularity driven diffusion for oriented pattern enhancement with singular points. , 2009, , .		0
369	Scatter correction algorithm without extra exposure for dual-energy digital mammography. , 2009, , .		1
370	Direct Pore Matching for Fingerprint Recognition. Lecture Notes in Computer Science, 2009, , 597-606.	1.0	62
371	A bintree energy approach for colour image segmentation using adaptive channel selection. Journal of Shanghai Jiaotong University (Science), 2008, 13, 52-59.	0.5	0
372	Face recognition using FLDA with single training image per person. Applied Mathematics and Computation, 2008, 205, 726-734.	1.4	142
373	Dark line detection with line width extraction. , 2008, , .		11
374	Directional interpolation of noisy images. , 2008, , .		2
375	Wavelet Based Analysis of Doppler Ultrasonic Wrist-pulse Signals. , 2008, , .		48
376	Three Dimensional Palmprint Recognition using Structured Light Imaging. , 2008, , .		25
377	The impact of calibration phantom errors on dual-energy digital mammography. Physics in Medicine and Biology, 2008, 53, 6321-6336.	1.6	11
378	Image demosaicing: a systematic survey. Proceedings of SPIE, 2008, , .	0.8	232

#	Article	IF	Citations
379	Directional independent component analysis with tensor representation. , 2008, , .		17
380	Adaptive pore model for fingerprint pore extraction. , 2008, , .		28
381	Adaptive Filtering for Stochastic Systems With Generalized Disturbance Inputs. IEEE Signal Processing Letters, 2008, 15, 645-648.	2.1	18
382	Robust Object Extraction and Change Detection in Retinal Images for Diabetic Clinical Studies. , 2007, , .		0
383	Comments on "On Image Matrix Based Feature Extraction Algorithms. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1373-1374.	5.5	11
384	Palmprint Verification using Complex Wavelet Transform. , 2007, , .		31
385	Block Independent Component Analysis for Face Recognition. , 2007, , .		6
386	Color Reproduction From Noisy CFA Data of Single Sensor Digital Cameras. IEEE Transactions on Image Processing, 2007, 16, 2184-2197.	6.0	44
387	A joint demosaicking–zooming scheme for single chip digital color cameras. Computer Vision and Image Understanding, 2007, 107, 14-25.	3.0	14
388	Temporal color video demosaicking via motion estimation and data fusion. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 231-240.	5.6	21
389	A New Approach to Automated Retinal Vessel Segmentation Using Multiscale Analysis. , 2006, , .		13
390	An edge-guided image interpolation algorithm via directional filtering and data fusion. IEEE Transactions on Image Processing, 2006, 15, 2226-2238.	6.0	847
391	On the application of cross correlation function to subsample discrete time delay estimation. , 2006, 16, 682-694.		38
392	Improvement of Color Video Demosaicking in Temporal Domain. IEEE Transactions on Image Processing, 2006, 15, 3138-3151.	6.0	16
393	A Multiscale Approach to Retinal Vessel Segmentation Using Gabor Filters and Scale Multiplication. , 2006, , .		16
394	Joint Spatial-Temporal Color Demosaicking. Lecture Notes in Computer Science, 2005, , 235-252.	1.0	1
395	Real-time lossless compression of mosaic video sequences. Real Time Imaging, 2005, 11, 370-377.	1.6	13
396	Canny edge detection enhancement by scale multiplication. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1485-1490.	9.7	439

#	Article	IF	Citations
397	Multiscale LMMSE-based image denoising with optimal wavelet selection. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 469-481.	5.6	87
398	Color demosaicking via directional linear minimum mean square-error estimation. IEEE Transactions on Image Processing, 2005, 14, 2167-2178.	6.0	306
399	EDGE PRESERVED DENOISING IN MAGNETIC RESONANCE IMAGES AND THEIR APPLICATIONS. , 2005, , 81-104.		0
400	Wavelet Estimation of Fractional Brownian Motion Embedded in a Noisy Environment. IEEE Transactions on Information Theory, 2004, 50, 2194-2200.	1.5	6
401	Multiresolution Modeling and Estimation of Multisensor Data. IEEE Transactions on Signal Processing, 2004, 52, 3170-3182.	3.2	39
402	Characterization of Palmprints by Wavelet Signatures via Directional Context Modeling. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1335-1347.	5.5	187
403	Hybrid inter- and intra-wavelet scale image restoration. Pattern Recognition, 2003, 36, 1737-1746.	5.1	33
404	Denoising by spatial correlation thresholding. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 535-538.	5.6	32
405	Noise reduction for magnetic resonance images via adaptive multiscale products thresholding. IEEE Transactions on Medical Imaging, 2003, 22, 1089-1099.	5.4	238
406	NOISY SIGNAL COMPRESSION BY WAVELET TRANSFORM WITH OPTIMAL DOWNSAMPLING. International Journal of Wavelets, Multiresolution and Information Processing, 2003, 01, 407-423.	0.9	2
407	The discrete Kalman filtering of a class of dynamic multiscale systems. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2002, 49, 668-676.	2.3	15
408	<title>Edge detection based on wavelet-domain spatial correlation thresholding</title>. , 2002, , .		0
409	<title>Spatial correlation thresholding-based edge-preserving image restoration</title>. , 2002, , .		0
410	Edge detection by scale multiplication in wavelet domain. Pattern Recognition Letters, 2002, 23, 1771-1784.	2.6	150
411	Threshold analysis in wavelet-based denoising. Electronics Letters, 2001, 37, 1485.	0.5	37
412	Two denoising methods by wavelet transform. IEEE Transactions on Signal Processing, 1999, 47, 3401-3406.	3.2	241
413	A wavelet-based edge detection method by scale multiplication. , 0, , .		17
414	Temporal color video demosaicking via motion estimation and optimal data fusing. , 0, , .		0

#	ARTICLE	IF	CITATIONS
415	Discriminant Analysis with Tensor Representation. , 0, , .		64
416	A Block-Based Inter-Band Lossless Hyperspectral Image Compressor. , 0, , .		21
417	On Cross Correlation Based Discrete Time Delay Estimation. , 0, , .		9
418	Automated Retinal Vessel Segmentation Using Multiscale Analysis and Adaptive Thresholding. , 0, , .		6