

Lunke Fei

List of Publications by Year in descending order

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146
papers

4,696
citations

136950

32
h-index

110387

64
g-index

146
all docs

146
docs citations

146
times ranked

2434
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning on image denoising: An overview. <i>Neural Networks</i> , 2020, 131, 251-275.	5.9	502
2	Attention-guided CNN for image denoising. <i>Neural Networks</i> , 2020, 124, 117-129.	5.9	384
3	Robust Sparse Linear Discriminant Analysis. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019, 29, 390-403.	8.3	252
4	Local line directional pattern for palmprint recognition. <i>Pattern Recognition</i> , 2016, 50, 26-44.	8.1	182
5	Double-orientation code and nonlinear matching scheme for palmprint recognition. <i>Pattern Recognition</i> , 2016, 49, 89-101.	8.1	154
6	Generalized Incomplete Multiview Clustering With Flexible Locality Structure Diffusion. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 101-114.	9.5	147
7	Feature Extraction Methods for Palmprint Recognition: A Survey and Evaluation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 346-363.	9.3	143
8	Coarse-to-Fine CNN for Image Super-Resolution. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 1489-1502.	7.2	122
9	Low-Rank Preserving Projection Via Graph Regularized Reconstruction. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1279-1291.	9.5	118
10	Palmprint Recognition Based on Complete Direction Representation. <i>IEEE Transactions on Image Processing</i> , 2017, 26, 4483-4498.	9.8	115
11	Discriminative and Robust Competitive Code for Palmprint Recognition. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 232-241.	9.3	105
12	Unified Embedding Alignment with Missing Views Inferring for Incomplete Multi-View Clustering. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019, 33, 5393-5400.	4.9	103
13	Enhanced CNN for image denoising. <i>CAAI Transactions on Intelligence Technology</i> , 2019, 4, 17-23.	8.1	101
14	Low-rank representation with adaptive graph regularization. <i>Neural Networks</i> , 2018, 108, 83-96.	5.9	96
15	Adaptive weighted nonnegative low-rank representation. <i>Pattern Recognition</i> , 2018, 81, 326-340.	8.1	88
16	Adaptive Graph Completion Based Incomplete Multi-View Clustering. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 2493-2504.	7.2	87
17	Half-orientation extraction of palmprint features. <i>Pattern Recognition Letters</i> , 2016, 69, 35-41.	4.2	83
18	Combining Left and Right Palmprint Images for More Accurate Personal Identification. <i>IEEE Transactions on Image Processing</i> , 2015, 24, 549-559.	9.8	74

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19	Learning Discriminant Direction Binary Palmprint Descriptor. IEEE Transactions on Image Processing, 2019, 28, 3808-3820.	9.8	73
20	Local apparent and latent direction extraction for palmprint recognition. Information Sciences, 2019, 473, 59-72.	6.9	66
21	Generative multi-view and multi-feature learning for classification. Information Fusion, 2019, 45, 215-226.	19.1	63
22	Local Discriminant Direction Binary Pattern for Palmprint Representation and Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 468-481.	8.3	62
23	Palmprint Recognition Using Neighboring Direction Indicator. IEEE Transactions on Human-Machine Systems, 2016, 46, 787-798.	3.5	54
24	Deep discriminative representation for generic palmprint recognition. Pattern Recognition, 2020, 98, 107071.	8.1	53
25	Joint deep convolutional feature representation for hyperspectral palmprint recognition. Information Sciences, 2019, 489, 167-181.	6.9	49
26	Learning Salient and Discriminative Descriptor for Palmprint Feature Extraction and Identification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5219-5230.	11.3	48
27	Low rank representation with adaptive distance penalty for semi-supervised subspace classification. Pattern Recognition, 2017, 67, 252-262.	8.1	47
28	Adaptive Locality Preserving Regression. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 75-88.	8.3	42
29	A Novel Visual Analysis Method of Food Safety Risk Traceability Based on Blockchain. International Journal of Environmental Research and Public Health, 2020, 17, 2300.	2.6	42
30	Low-rank representation integrated with principal line distance for contactless palmprint recognition. Neurocomputing, 2016, 218, 264-275.	5.9	40
31	Learning Compact Multifeature Codes for Palmprint Recognition From a Single Training Image per Palm. IEEE Transactions on Multimedia, 2021, 23, 2930-2942.	7.2	37
32	A novel consensus learning approach to incomplete multi-view clustering. Pattern Recognition, 2021, 115, 107890.	8.1	37
33	Consensus guided incomplete multi-view spectral clustering. Neural Networks, 2021, 133, 207-219.	5.9	34
34	Feature Extraction for 3-D Palmprint Recognition: A Survey. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 645-656.	4.7	33
35	Joint Constrained Least-Square Regression With Deep Convolutional Feature for Palmprint Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 511-522.	9.3	32
36	Joint discriminative feature learning for multimodal finger recognition. Pattern Recognition, 2021, 111, 107704.	8.1	32

#	ARTICLE	IF	CITATIONS
37	Deep Learning for Image Denoising: A Survey. Advances in Intelligent Systems and Computing, 2019, , 563-572.	0.6	31
38	Computational Traditional Chinese Medicine diagnosis: A literature survey. Computers in Biology and Medicine, 2021, 133, 104358.	7.0	30
39	Significant Geometry Features in Tongue Image Analysis. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-8.	1.2	29
40	Ear-parotic face angle: A unique feature for 3D ear recognition. Pattern Recognition Letters, 2015, 53, 9-15.	4.2	28
41	Joint Discriminative Sparse Coding for Robust Hand-Based Multimodal Recognition. IEEE Transactions on Information Forensics and Security, 2021, 16, 3186-3198.	6.9	26
42	Local multiple directional pattern of palmprint image. , 2016, , .		24
43	Shared Autoencoder Gaussian Process Latent Variable Model for Visual Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4272-4286.	11.3	24
44	Complete Binary Representation for 3-D Palmprint Recognition. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2761-2771.	4.7	23
45	Joint Multiview Feature Learning for Hand-Print Recognition. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9743-9755.	4.7	23
46	Learning Complete and Discriminative Direction Pattern for Robust Palmprint Recognition. IEEE Transactions on Image Processing, 2021, 30, 1001-1014.	9.8	23
47	An extensive analysis of various texture feature extractors to detect Diabetes Mellitus using facial specific regions. Computers in Biology and Medicine, 2017, 83, 69-83.	7.0	22
48	Locality preserving projection with symmetric graph embedding for unsupervised dimensionality reduction. Pattern Recognition, 2022, 131, 108844.	8.1	22
49	Towards Fast and Robust Real Image Denoising With Attentive Neural Network and PID Controller. IEEE Transactions on Multimedia, 2022, 24, 2366-2377.	7.2	21
50	PID Controller-Guided Attention Neural Network Learning for Fast and Effective Real Photographs Denoising. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3010-3023.	11.3	21
51	Asymmetric Gaussian Process multi-view learning for visual classification. Information Fusion, 2021, 65, 108-118.	19.1	20
52	Jointly learning multi-instance hand-based biometric descriptor. Information Sciences, 2021, 562, 1-12.	6.9	20
53	NFANet: A Novel Method for Weakly Supervised Water Extraction From High-Resolution Remote-Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	20
54	Regularization on Augmented Data to Diversify Sparse Representation for Robust Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 4935-4948.	9.5	19

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55	Super Resolution Guided Deep Network for Land Cover Classification From Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	19
56	Jointly Heterogeneous Palmprint Discriminant Feature Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4979-4990.	11.3	18
57	Deformable Template Network (DTN) for Object Detection. IEEE Transactions on Multimedia, 2022, 24, 2058-2068.	7.2	18
58	Enhanced Minutiae Extraction for High-Resolution Palmprint Recognition. International Journal of Image and Graphics, 2017, 17, 1750020.	1.5	16
59	Local Orientation Binary Pattern with Use for Palmprint Recognition. Lecture Notes in Computer Science, 2017, , 213-220.	1.3	16
60	A survey on dorsal hand vein biometrics. Pattern Recognition, 2021, 120, 108122.	8.1	16
61	Low-rank inter-class sparsity based semi-flexible target least squares regression for feature representation. Pattern Recognition, 2022, 123, 108346.	8.1	16
62	Precision direction and compact surface type representation for 3D palmprint identification. Pattern Recognition, 2019, 87, 237-247.	8.1	15
63	Dual Asymmetric Deep Hashing Learning. IEEE Access, 2019, 7, 113372-113384.	4.2	14
64	Novel Noninvasive Brain Disease Detection System Using a Facial Image Sensor. Sensors, 2017, 17, 2843.	3.8	13
65	Robust collaborative representation-based classification via regularization of truncated total least squares. Neural Computing and Applications, 2019, 31, 5689-5697.	5.6	13
66	Similarity and diversity induced paired projection for cross-modal retrieval. Information Sciences, 2020, 539, 215-228.	6.9	13
67	Shared Linear Encoder-Based Multikernel Gaussian Process Latent Variable Model for Visual Classification. IEEE Transactions on Cybernetics, 2021, 51, 534-547.	9.5	13
68	A Multifeature Learning and Fusion Network for Facial Age Estimation. Sensors, 2021, 21, 4597.	3.8	13
69	Domain adaptation via incremental confidence samples into classification. International Journal of Intelligent Systems, 2022, 37, 365-385.	5.7	12
70	Learning Compact Multirepresentation Feature Descriptor for Finger-Vein Recognition. IEEE Transactions on Information Forensics and Security, 2022, 17, 1946-1958.	6.9	12
71	A novel Color Rendition Chart for digital tongue image calibration. Color Research and Application, 2018, 43, 749-759.	1.6	11
72	Multi-View Classification via a Fast and Effective Multi-View Nearest-Subspace Classifier. IEEE Access, 2019, 7, 49669-49679.	4.2	11

#	ARTICLE	IF	CITATIONS
73	Jointly learning compact multi-view hash codes for few-shot FKP recognition. Pattern Recognition, 2021, 115, 107894.	8.1	11
74	Triple-Type Feature Extraction for Palmprint Recognition. Sensors, 2021, 21, 4896.	3.8	11
75	Effective Heart Disease Detection Based on Quantitative Computerized Traditional Chinese Medicine Using Representation Based Classifiers. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-10.	1.2	10
76	A Collaborative Intrusion Detection Model using a novel optimal weight strategy based on Genetic Algorithm for Ensemble Classifier. , 2018, , .		10
77	Collaborative Representation Using Non-Negative Samples for Image Classification. Sensors, 2019, 19, 2609.	3.8	10
78	Robust and adaptive algorithm for hyperspectral palmprint region of interest extraction. IET Biometrics, 2019, 8, 391-400.	2.5	9
79	Attention-based CNNs for Image Classification: A Survey. Journal of Physics: Conference Series, 2022, 2171, 012068.	0.4	9
80	Innovative Contactless Palmprint Recognition System Based on Dual-Camera Alignment. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6464-6476.	9.3	9
81	Sentiment Analysis of Review Data Using Blockchain and LSTM to Improve Regulation for a Sustainable Market. Journal of Theoretical and Applied Electronic Commerce Research, 2022, 17, 1-19.	5.7	9
82	Dual sparse learning via data augmentation for robust facial image classification. International Journal of Machine Learning and Cybernetics, 2020, 11, 1717-1734.	3.6	8
83	A Novel Method for Food Market Regulation by Emotional Tendencies Predictions from Food Reviews Based on Blockchain and SAEs. Foods, 2021, 10, 1398.	4.3	8
84	Online 3D Ear Recognition by Combining Global and Local Features. PLoS ONE, 2016, 11, e0166204.	2.5	8
85	Incorporating Linear Regression Problems Into an Adaptive Framework With Feasible Optimizations. IEEE Transactions on Multimedia, 2023, 25, 4041-4051.	7.2	8
86	Discriminative Local Feature for Hyperspectral Hand Biometrics by Adjusting Image Acutance. Applied Sciences (Switzerland), 2019, 9, 4178.	2.5	7
87	Learning Discriminative Finger-knuckle-print Descriptor. , 2019, , .		7
88	Learning double weights via data augmentation for robust sparse and collaborative representation-based classification. Multimedia Tools and Applications, 2020, 79, 20617-20638.	3.9	7
89	FVSR-Net: an end-to-end Finger Vein Image Scattering Removal Network. Multimedia Tools and Applications, 2021, 80, 10705-10722.	3.9	7
90	An Adaptive Discriminant and Sparsity Feature Descriptor for Finger Vein Recognition. , 2021, , .		7

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91	Disease Detection Using Tongue Geometry Features with Sparse Representation Classifier. , 2014, , .		6
92	Robust and adaptive ROI extraction for hyperspectral dorsal hand vein images. IET Computer Vision, 2019, 13, 595-604.	2.0	6
93	Scalable Discriminative Discrete Hashing For Large-Scale Cross-Modal Retrieval. , 2021, , .		6
94	Deep Multi-loss Hashing Network for Palmprint Retrieval and Recognition. , 2021, , .		6
95	Toward Efficient Palmprint Feature Extraction by Learning a Single-Layer Convolution Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9783-9794.	11.3	6
96	Two-view attention-guided convolutional neural network for mammographic image classification. CAAI Transactions on Intelligence Technology, 2023, 8, 453-467.	8.1	6
97	Diabetes Mellitus Detection Based on Facial Block Texture Features Using the Gabor Filter. , 2014, , .		5
98	Facial beauty analysis based on features prediction and beautification models. Pattern Analysis and Applications, 2018, 21, 529-542.	4.6	5
99	A Novel Regularized Nonnegative Matrix Factorization for Spectral-Spatial Dimension Reduction of Hyperspectral Imagery. IEEE Access, 2018, 6, 77953-77964.	4.2	5
100	A shell dataset, for shell features extraction and recognition. Scientific Data, 2019, 6, 226.	5.3	5
101	Two-phase non-invasive multi-disease detection via sublingual region. Computers in Biology and Medicine, 2021, 137, 104782.	7.0	5
102	Joint Discriminative Latent Subspace Learning for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4653-4666.	8.3	5
103	Application of improved virtual sample and sparse representation in face recognition. CAAI Transactions on Intelligence Technology, 2023, 8, 1391-1402.	8.1	5
104	Digital tongue image analysis in medical applications using a new tongue ColorChecker. , 2016, , .		4
105	Using K-NN with weights to detect diabetes mellitus based on genetic algorithm feature selection. , 2016, , .		4
106	Orientation space code and multi-feature two-phase sparse representation for palmprint recognition. International Journal of Machine Learning and Cybernetics, 2020, 11, 1453-1461.	3.6	4
107	Discrete Semantic Matrix Factorization Hashing for Cross-Modal Retrieval. , 2021, , .		4
108	Hyperspectral and Full-Waveform LiDAR Improve Mapping of Tropical Dry Forest's Successional Stages. Remote Sensing, 2021, 13, 3830.	4.0	4

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109	AAR-CNNs: Auto Adaptive Regularized Convolutional Neural Networks. , 2018, , .		4
110	Discriminative Regression With Adaptive Graph Diffusion. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1797-1809.	11.3	4
111	Simplified and Improved Patch Ordering for Diabetes Mellitus detection. , 2015, , .		3
112	Combining Enhanced Competitive Code with Compacted ST for 3D Palmprint Recognition. , 2017, , .		3
113	Multi-Feature Fusion Using Collaborative Residual for Hyperspectral Palmprint Recognition. , 2018, , .		3
114	A Novel Hyperspectral Based Dorsal Hand Recognition System. , 2019, , .		3
115	Incomplete Multi-View Subspace Clustering with Low-Rank Tensor. , 2021, , .		3
116	Kernel nonnegative representation-based classifier. Applied Intelligence, 0, , 1.	5.3	3
117	Jointly Learning Multiple Curvature Descriptor for 3D Palmprint Recognition. , 2021, , .		3
118	Local Discriminative Direction Extraction for Palmprint Recognition. Lecture Notes in Computer Science, 2019, , 3-11.	1.3	3
119	Towards penâ€holding hand pose recognition: A new benchmark and a coarseâ€toâ€fine PHHP recognition network. IET Biometrics, 2022, 11, 581-587.	2.5	3
120	Two novel style-transfer palmprint reconstruction attacks. Applied Intelligence, 2023, 53, 6354-6371.	5.3	3
121	Computerized analysis of tongue sub-lingual veins to detect lung and breast cancers. , 2017, , .		2
122	Towards Efficient Age Estimation by Embedding Potential Gender Features. , 2021, , .		2
123	Multi-feature representation for burn depth classification via burn images. Artificial Intelligence in Medicine, 2021, 118, 102128.	6.5	2
124	Compact Double Attention Module Embedded CNN for Palmprint Recognition. Lecture Notes in Computer Science, 2021, , 264-275.	1.3	2
125	Low Rank Based Discriminative Least Squares Regression with Sparse Autoencoder Processing for Image Classification. , 2021, , .		2
126	A robust newton iterative algorithm for acoustic location based on solving linear matrix equations in the presence of various noises. Applied Intelligence, 2023, 53, 1219-1232.	5.3	2

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127	Weighted Graph Embedded Low-Rank Projection Learning for Feature Extraction. , 2022, , .		2
128	A study of diabetes mellitus detection using sparse representation algorithms with facial block color features. , 2016, , .		1
129	Facial color feature extraction for disease diagnosis using non-base colors. , 2016, , .		1
130	Tongue Pattern Recognition to Detect Diabetes Mellitus and Non-Proliferative Diabetic Retinopathy. , 2017, , 663-686.		1
131	Robust semi-supervised concept factorization. , 2017, , .		1
132	Learning robust latent subspace for discriminative regression. , 2017, , .		1
133	Adaptive Locality Preserving based Discriminative Regression. , 2018, , .		1
134	Non-Invasive Multi-Disease Classification via Facial Image Analysis Using a Convolutional Neural Network. , 2018, , .		1
135	Computer-Assisted Non-Invasive Diabetes Mellitus Detection System via Facial Key Block Analysis. , 2018, , .		1
136	Discrete semantic embedding hashing for scalable cross-modal retrieval. , 2021, , .		1
137	Renal Cancer Detection: Fusing Deep and Texture Features from Histopathology Images. BioMed Research International, 2022, 2022, 1-17.	1.9	1
138	Deep Palmprint Image Quality Assessment Network. , 2021, , .		1
139	Joint Multi-feature Learning for Facial Age Estimation. Lecture Notes in Computer Science, 2022, , 513-524.	1.3	1
140	Salient and consensus representation learning based incomplete multiview clustering. Applied Intelligence, 2023, 53, 2723-2737.	5.3	1
141	Facial color analysis of Overweight-Obesity and its relationship to Healthy and Diabetes Mellitus using statistical pattern recognition. , 2015, , .		0
142	Applying L-SRC for Non-invasive Disease Detection Using Facial Chromaticity and Texture Features. , 2019, , .		0
143	Illuminance Compensation and Texture Enhancement via the Hodge Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 956-971.	8.3	0
144	Image Super-Resolution Using Deformable Convolutional Network. Communications in Computer and Information Science, 2021, , 650-660.	0.5	0

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145	Subspace-level dictionary fusion for robust multimedia classification. Multimedia Tools and Applications, 2021, 80, 21885-21898.	3.9	0
146	A Collaboration Multi-Domain Sentiment Classification on Specific Domain and Global Features. , 2021, , .		0