Lunke Fei

List of Publications by Year
in descending order

146 papers	4,696 citations	156536 32 h-index	124990 64 g-index
146 all docs	146 docs citations	146 times ranked	2675 citing authors

#	Article	IF	Citations
1	Discriminative Regression With Adaptive Graph Diffusion. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1797-1809.	7.2	4
2	Toward Efficient Palmprint Feature Extraction by Learning a Single-Layer Convolution Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9783-9794.	7.2	6
3	Incorporating Linear Regression Problems Into an Adaptive Framework With Feasible Optimizations. IEEE Transactions on Multimedia, 2023, 25, 4041-4051.	5.2	8
4	Twoâ€view attentionâ€guided convolutional neural network for mammographic image classification. CAAI Transactions on Intelligence Technology, 2023, 8, 453-467.	3.4	6
5	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.	3.3	2
6	Salient and consensus representation learning based incomplete multiview clustering. Applied Intelligence, 2023, 53, 2723-2737.	3.3	1
7	Two novel style-transfer palmprint reconstruction attacks. Applied Intelligence, 2023, 53, 6354-6371.	3.3	3
8	Application of improved virtual sample and sparse representation in face recognition. CAAI Transactions on Intelligence Technology, 2023, 8, 1391-1402.	3.4	5
9	Regularization on Augmented Data to Diversify Sparse Representation for Robust Image Classification. IEEE Transactions on Cybernetics, 2022, 52, 4935-4948.	6.2	19
10	Joint Constrained Least-Square Regression With Deep Convolutional Feature for Palmprint Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 511-522.	5.9	32
11	Towards Fast and Robust Real Image Denoising With Attentive Neural Network and PID Controller. IEEE Transactions on Multimedia, 2022, 24, 2366-2377.	5.2	21
12	Jointly Heterogeneous Palmprint Discriminant Feature Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4979-4990.	7.2	18
13	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.	7.2	21
14	Deformable Template Network (DTN) for Object Detection. IEEE Transactions on Multimedia, 2022, 24, 2058-2068.	5.2	18
15	Domain adaptation via incremental confidence samples into classification. International Journal of Intelligent Systems, 2022, 37, 365-385.	3.3	12
16	Super Resolution Guided Deep Network for Land Cover Classification From Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	19
17	Low-rank inter-class sparsity based semi-flexible target least squares regression for feature representation. Pattern Recognition, 2022, 123, 108346.	5.1	16
18	Joint Discriminative Latent Subspace Learning for Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4653-4666.	5.6	5

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19	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.	2.7	20
20	Attention-based CNNs for Image Classification: A Survey. Journal of Physics: Conference Series, 2022, 2171, 012068.	0.3	9
21	Innovative Contactless Palmprint Recognition System Based on Dual-Camera Alignment. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6464-6476.	5.9	9
22	Renal Cancer Detection: Fusing Deep and Texture Features from Histopathology Images. BioMed Research International, 2022, 2022, 1-17.	0.9	1
23	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.	3.1	9
24	Learning Compact Multirepresentation Feature Descriptor for Finger-Vein Recognition. IEEE Transactions on Information Forensics and Security, 2022, 17, 1946-1958.	4.5	12
25	Joint Multi-feature Learning forÂFacial Age Estimation. Lecture Notes in Computer Science, 2022, , 513-524.	1.0	1
26	Weighted Graph Embedded Low-Rank Projection Learning for Feature Extraction. , 2022, , .		2
27	Towards penâ€holding hand pose recognition: A new benchmark and a coarseâ€toâ€fine PHHP recognition network. IET Biometrics, 2022, 11, 581-587.	1.6	3
28	Locality preserving projection with symmetric graph embedding for unsupervised dimensionality reduction. Pattern Recognition, 2022, 131, 108844.	5.1	22
29	Coarse-to-Fine CNN for Image Super-Resolution. IEEE Transactions on Multimedia, 2021, 23, 1489-1502.	5.2	122
30	Illuminance Compensation and Texture Enhancement via the Hodge Decomposition. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 956-971.	5.6	0
31	Shared Linear Encoder-Based Multikernel Gaussian Process Latent Variable Model for Visual Classification. IEEE Transactions on Cybernetics, 2021, 51, 534-547.	6.2	13
32	Asymmetric Gaussian Process multi-view learning for visual classification. Information Fusion, 2021, 65, 108-118.	11.7	20
33	Adaptive Graph Completion Based Incomplete Multi-View Clustering. IEEE Transactions on Multimedia, 2021, 23, 2493-2504.	5.2	87
34	Joint discriminative feature learning for multimodal finger recognition. Pattern Recognition, 2021, 111, 107704.	5.1	32
35	Consensus guided incomplete multi-view spectral clustering. Neural Networks, 2021, 133, 207-219.	3.3	34
36	FVSR-Net: an end-to-end Finger Vein Image Scattering Removal Network. Multimedia Tools and Applications, 2021, 80, 10705-10722.	2.6	7

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37	Learning Complete and Discriminative Direction Pattern for Robust Palmprint Recognition. IEEE Transactions on Image Processing, 2021, 30, 1001-1014.	6.0	23
38	Learning Compact Multifeature Codes for Palmprint Recognition From a Single Training Image per Palm. IEEE Transactions on Multimedia, 2021, 23, 2930-2942.	5.2	37
39	Discrete Semantic Matrix Factorization Hashing for Cross-Modal Retrieval. , 2021, , .		4
40	Joint Discriminative Sparse Coding for Robust Hand-Based Multimodal Recognition. IEEE Transactions on Information Forensics and Security, 2021, 16, 3186-3198.	4.5	26
41	Image Super-Resolution Using Deformable Convolutional Network. Communications in Computer and Information Science, 2021, , 650-660.	0.4	0
42	Subspace-level dictionary fusion for robust multimedia classification. Multimedia Tools and Applications, 2021, 80, 21885-21898.	2.6	0
43	A Collaboration Multi-Domain Sentiment Classification on Specific Domain and Global Features. , 2021, , .		0
44	An Adaptive Discriminant and Sparsity Feature Descriptor for Finger Vein Recognition. , 2021, , .		7
45	Scalable Discriminative Discrete Hashing For Large-Scale Cross-Modal Retrieval. , 2021, , .		6
46	Incomplete Multi-View Subspace Clustering with Low-Rank Tensor. , 2021, , .		3
47	Computational Traditional Chinese Medicine diagnosis: A literature survey. Computers in Biology and Medicine, 2021, 133, 104358.	3.9	30
48	Towards Efficient Age Estimation by Embedding Potential Gender Features. , 2021, , .		2
49	A Novel Method for Food Market Regulation by Emotional Tendencies Predictions from Food Reviews Based on Blockchain and SAEs. Foods, 2021, 10, 1398.	1.9	8
50	A novel consensus learning approach to incomplete multi-view clustering. Pattern Recognition, 2021, 115, 107890.	5.1	37
51	Jointly learning compact multi-view hash codes for few-shot FKP recognition. Pattern Recognition, 2021, 115, 107894.	5.1	11
52	A Multifeature Learning and Fusion Network for Facial Age Estimation. Sensors, 2021, 21, 4597.	2.1	13
53	Jointly learning multi-instance hand-based biometric descriptor. Information Sciences, 2021, 562, 1-12.	4.0	20
54	Triple-Type Feature Extraction for Palmprint Recognition. Sensors, 2021, 21, 4896.	2.1	11

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55	Multi-feature representation for burn depth classification via burn images. Artificial Intelligence in Medicine, 2021, 118, 102128.	3.8	2
56	Deep Multi-loss Hashing Network for Palmprint Retrieval and Recognition. , 2021, , .		6
57	Hyperspectral and Full-Waveform LiDAR Improve Mapping of Tropical Dry Forestâ€™s Successional Stages. Remote Sensing, 2021, 13, 3830.	1.8	4
58	Two-phase non-invasive multi-disease detection via sublingual region. Computers in Biology and Medicine, 2021, 137, 104782.	3.9	5
59	A survey on dorsal hand vein biometrics. Pattern Recognition, 2021, 120, 108122.	5.1	16
60	Generalized Incomplete Multiview Clustering With Flexible Locality Structure Diffusion. IEEE Transactions on Cybernetics, 2021, 51, 101-114.	6.2	147
61	Jointly Learning Multiple Curvature Descriptor for 3D Palmprint Recognition. , 2021, , .		3
62	Compact Double Attention Module Embedded CNN for Palmprint Recognition. Lecture Notes in Computer Science, 2021, , 264-275.	1.0	2
63	Discrete semantic embedding hashing for scalable cross-modal retrieval. , 2021, , .		1
64	Deep Palmprint Image Quality Assessment Network. , 2021, , .		1
65	Low Rank Based Discriminative Least Squares Regression with Sparse Autoencoder Processing for Image Classification. , 2021, , .		2
66	Adaptive Locality Preserving Regression. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 75-88.	5.6	42
67	Local Discriminant Direction Binary Pattern for Palmprint Representation and Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 468-481.	5.6	62
68	Deep discriminative representation for generic palmprint recognition. Pattern Recognition, 2020, 98, 107071.	5.1	53
69	Attention-guided CNN for image denoising. Neural Networks, 2020, 124, 117-129.	3.3	384
70	Orientation space code and multi-feature two-phase sparse representation for palmprint recognition. International Journal of Machine Learning and Cybernetics, 2020, 11, 1453-1461.	2.3	4
71	Deep learning on image denoising: An overview. Neural Networks, 2020, 131, 251-275.	3.3	502
72	Learning double weights via data augmentation for robust sparse and collaborative representation-based classification. Multimedia Tools and Applications, 2020, 79, 20617-20638.	2.6	7

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73	Joint Multiview Feature Learning for Hand-Print Recognition. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9743-9755.	2.4	23
74	Similarity and diversity induced paired projection for cross-modal retrieval. Information Sciences, 2020, 539, 215-228.	4.0	13
75	Feature Extraction for 3-D Palmprint Recognition: A Survey. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 645-656.	2.4	33
76	Dual sparse learning via data augmentation for robust facial image classification. International Journal of Machine Learning and Cybernetics, 2020, 11, 1717-1734.	2.3	8
77	Learning Salient and Discriminative Descriptor for Palmprint Feature Extraction and Identification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5219-5230.	7.2	48
78	A Novel Visual Analysis Method of Food Safety Risk Traceability Based on Blockchain. International Journal of Environmental Research and Public Health, 2020, 17, 2300.	1.2	42
79	Deep Learning for Image Denoising: A Survey. Advances in Intelligent Systems and Computing, 2019, , 563-572.	0.5	31
80	Discriminative Local Feature for Hyperspectral Hand Biometrics by Adjusting Image Acutance. Applied Sciences (Switzerland), 2019, 9, 4178.	1.3	7
81	Unified Embedding Alignment with Missing Views Inferring for Incomplete Multi-View Clustering. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5393-5400.	3.6	103
82	Dual Asymmetric Deep Hashing Learning. IEEE Access, 2019, 7, 113372-113384.	2.6	14
83	Collaborative Representation Using Non-Negative Samples for Image Classification. Sensors, 2019, 19, 2609.	2.1	10
84	A Novel Hyperspectral Based Dorsal Hand Recognition System. , 2019, , .		3
85	Learning Discriminative Finger-knuckle-print Descriptor. , 2019, , .		7
86	Multi-View Classification via a Fast and Effective Multi-View Nearest-Subspace Classifier. IEEE Access, 2019, 7, 49669-49679.	2.6	11
87	Enhanced CNN for image denoising. CAAI Transactions on Intelligence Technology, 2019, 4, 17-23.	3.4	101
88	Joint deep convolutional feature representation for hyperspectral palmprint recognition. Information Sciences, 2019, 489, 167-181.	4.0	49
89	Learning Discriminant Direction Binary Palmprint Descriptor. IEEE Transactions on Image Processing, 2019, 28, 3808-3820.	6.0	73
90	Applying L-SRC for Non-invasive Disease Detection Using Facial Chromaticity and Texture Features. , 2019, , .		0

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91	Robust and adaptive ROI extraction for hyperspectral dorsal hand vein images. IET Computer Vision, 2019, 13, 595-604.	1.3	6
92	A shell dataset, for shell features extraction and recognition. Scientific Data, 2019, 6, 226.	2.4	5
93	Local apparent and latent direction extraction for palmprint recognition. Information Sciences, 2019, 473, 59-72.	4.0	66
94	Precision direction and compact surface type representation for 3D palmprint identification. Pattern Recognition, 2019, 87, 237-247.	5.1	15
95	Robust Sparse Linear Discriminant Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 390-403.	5.6	252
96	Feature Extraction Methods for Palmprint Recognition: A Survey and Evaluation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 346-363.	5.9	143
97	Generative multi-view and multi-feature learning for classification. Information Fusion, 2019, 45, 215-226.	11.7	63
98	Robust collaborative representation-based classification via regularization of truncated total least squares. Neural Computing and Applications, 2019, 31, 5689-5697.	3.2	13
99	Low-Rank Preserving Projection Via Graph Regularized Reconstruction. IEEE Transactions on Cybernetics, 2019, 49, 1279-1291.	6.2	118
100	Local Discriminative Direction Extraction for Palmprint Recognition. Lecture Notes in Computer Science, 2019, , 3-11.	1.0	3
101	Robust and adaptive algorithm for hyperspectral palmprint region of interest extraction. IET Biometrics, 2019, 8, 391-400.	1.6	9
102	Adaptive weighted nonnegative low-rank representation. Pattern Recognition, 2018, 81, 326-340.	5.1	88
103	Discriminative and Robust Competitive Code for Palmprint Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 232-241.	5.9	105
104	Facial beauty analysis based on features prediction and beautification models. Pattern Analysis and Applications, 2018, 21, 529-542.	3.1	5
105	Adaptive Locality Preserving based Discriminative Regression. , 2018, , .		1
106	Multi-Feature Fusion Using Collaborative Residual for Hyperspectral Palmprint Recognition. , 2018, , .		3
107	Non-Invasive Multi-Disease Classification via Facial Image Analysis Using a Convolutional Neural Network. , 2018, , .		1
108	Computer-Assisted Non-Invasive Diabetes Mellitus Detection System via Facial Key Block Analysis. , 2018, , .		1

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109	A Novel Regularized Nonnegative Matrix Factorization for Spectral-Spatial Dimension Reduction of Hyperspectral Imagery. IEEE Access, 2018, 6, 77953-77964.	2.6	5
110	A Collaborative Intrusion Detection Model using a novel optimal weight strategy based on Genetic Algorithm for Ensemble Classifier. , 2018, , .		10
111	A novel Color Rendition Chart for digital tongue image calibration. Color Research and Application, 2018, 43, 749-759.	0.8	11
112	Shared Autoencoder Gaussian Process Latent Variable Model for Visual Classification. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4272-4286.	7.2	24
113	Low-rank representation with adaptive graph regularization. Neural Networks, 2018, 108, 83-96.	3.3	96
114	Complete Binary Representation for 3-D Palmprint Recognition. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2761-2771.	2.4	23
115	AAR-CNNs: Auto Adaptive Regularized Convolutional Neural Networks. , 2018, , .		4
116	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.	3.9	22
117	Low rank representation with adaptive distance penalty for semi-supervised subspace classification. Pattern Recognition, 2017, 67, 252-262.	5.1	47
118	Palmprint Recognition Based on Complete Direction Representation. IEEE Transactions on Image Processing, 2017, 26, 4483-4498.	6.0	115
119	Tongue Pattern Recognition to Detect Diabetes Mellitus and Non-Proliferative Diabetic Retinopathy. , 2017, , 663-686.		1
120	Enhanced Minutiae Extraction for High-Resolution Palmprint Recognition. International Journal of Image and Graphics, 2017, 17, 1750020.	1.2	16
121	Local Orientation Binary Pattern with Use for Palmprint Recognition. Lecture Notes in Computer Science, 2017, , 213-220.	1.0	16
122	Robust semi-supervised concept factorization. , 2017, , .		1
123	Learning robust latent subspace for discriminative regression. , 2017, , .		1
124	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.	0.5	10
125	Novel Noninvasive Brain Disease Detection System Using a Facial Image Sensor. Sensors, 2017, 17, 2843.	2.1	13
126	Computerized analysis of tongue sub-lingual veins to detect lung and breast cancers. , 2017, , .		2

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127	Combining Enhanced Competitive Code with Compacted ST for 3D Palmprint Recognition. , 2017, , .		3
128	A study of diabetes mellitus detection using sparse representation algorithms with facial block color features. , 2016, , .		1
129	Digital tongue image analysis in medical applications using a new tongue ColorChecker. , 2016, , .		4
130	Facial color feature extraction for disease diagnosis using non-base colors. , 2016, , .		1
131	Local multiple directional pattern of palmprint image. , 2016, , .		24
132	Low-rank representation integrated with principal line distance for contactless palmprint recognition. Neurocomputing, 2016, 218, 264-275.	3.5	40
133	Palmprint Recognition Using Neighboring Direction Indicator. IEEE Transactions on Human-Machine Systems, 2016, 46, 787-798.	2.5	54
134	Using K-NN with weights to detect diabetes mellitus based on genetic algorithm feature selection. , 2016, , .		4
135	Double-orientation code and nonlinear matching scheme for palmprint recognition. Pattern Recognition, 2016, 49, 89-101.	5.1	154
136	Half-orientation extraction of palmprint features. Pattern Recognition Letters, 2016, 69, 35-41.	2.6	83
137	Local line directional pattern for palmprint recognition. Pattern Recognition, 2016, 50, 26-44.	5.1	182
138	Online 3D Ear Recognition by Combining Global and Local Features. PLoS ONE, 2016, 11, e0166204.	1.1	8
139	Significant Geometry Features in Tongue Image Analysis. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-8.	0.5	29
140	Facial color analysis of Overweight-Obesity and its relationship to Healthy and Diabetes Mellitus using statistical pattern recognition. , 2015, , .		0
141	Combining Left and Right Palmprint Images for More Accurate Personal Identification. IEEE Transactions on Image Processing, 2015, 24, 549-559.	6.0	74
142	Simplified and Improved Patch Ordering for Diabetes Mellitus detection. , 2015, , .		3
143	Ear-parotic face angle: A unique feature for 3D ear recognition. Pattern Recognition Letters, 2015, 53, 9-15.	2.6	28
144	Disease Detection Using Tongue Geometry Features with Sparse Representation Classifier. , 2014, , .		6

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145	Diabetes Mellitus Detection Based on Facial Block Texture Features Using the Gabor Filter. , 2014, , .		5
146	Kernel nonnegative representation-based classifier. Applied Intelligence, 0, , 1.	3.3	3