

Haiping Lu

List of Publications by Year in descending order

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49
papers

2,601
citations

567281

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h-index

501196

28
g-index

54
all docs

54
docs citations

54
times ranked

2184
citing authors

#	ARTICLE	IF	CITATIONS
1	MPCA: Multilinear Principal Component Analysis of Tensor Objects. IEEE Transactions on Neural Networks, 2008, 19, 18-39.	4.2	739
2	A survey of multilinear subspace learning for tensor data. Pattern Recognition, 2011, 44, 1540-1551.	8.1	342
3	Regularized Common Spatial Pattern With Aggregation for EEG Classification in Small-Sample Setting. IEEE Transactions on Biomedical Engineering, 2010, 57, 2936-2946.	4.2	247
4	Distance-Reciprocal Distortion Measure for Binary Document Images. IEEE Signal Processing Letters, 2004, 11, 228-231.	3.6	189
5	Uncorrelated Multilinear Discriminant Analysis With Regularization and Aggregation for Tensor Object Recognition. IEEE Transactions on Neural Networks, 2009, 20, 103-123.	4.2	152
6	Uncorrelated Multilinear Principal Component Analysis for Unsupervised Multilinear Subspace Learning. IEEE Transactions on Neural Networks, 2009, 20, 1820-1836.	4.2	94
7	Motor Imagery Classification Based on Bilinear Sub-Manifold Learning of Symmetric Positive-Definite Matrices. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 504-516.	4.9	81
8	A Biometric Encryption System for the Self-Exclusion Scenario of Face Recognition. IEEE Systems Journal, 2009, 3, 440-450.	4.6	55
9	Gaussian kernel optimization for pattern classification. Pattern Recognition, 2009, 42, 1237-1247.	8.1	48
10	Face recognition with biometric encryption for privacy-enhancing self-exclusion. , 2009, , .		42
11	Feature Extraction for Incomplete Data Via Low-Rank Tensor Decomposition With Feature Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1803-1817.	11.3	40
12	A machine learning cardiac magnetic resonance approach to extract disease features and automate pulmonary arterial hypertension diagnosis. European Heart Journal Cardiovascular Imaging, 2021, 22, 236-245.	1.2	40
13	Quantifying Limb Movements in Epileptic Seizures Through Color-Based Video Analysis. IEEE Transactions on Biomedical Engineering, 2013, 60, 461-469.	4.2	39
14	Regularized common spatial patterns with generic learning for EEG signal classification. , 2009, 2009, 6599-602.		38
15	Rank-One Matrix Completion With Automatic Rank Estimation via L1-Norm Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4744-4757.	11.3	36
16	Fuzzy Key Binding Strategies Based on Quantization Index Modulation (QIM) for Biometric Encryption (BE) Applications. IEEE Transactions on Information Forensics and Security, 2010, 5, 118-132.	6.9	33
17	A Full-Body Layered Deformable Model for Automatic Model-Based Gait Recognition. Eurasip Journal on Advances in Signal Processing, 2007, 2008, .	1.7	28
18	Secure data hiding in binary document images for authentication. , 0, , .		22

#	ARTICLE	IF	CITATIONS
19	Watermark embedding in DC components of DCT for binary images. , 0, , .		18
20	Neuropsychiatric disease classification using functional connectomics - results of the connectomics in neuroimaging transfer learning challenge. Medical Image Analysis, 2021, 70, 101972.	11.6	17
21	An objective distortion measure for binary document images based on human visual perception. , 0, , .		16
22	Multilinear Principal Component Analysis of Tensor Objects for Recognition. , 2006, , .		16
23	A Layered Deformable Model for Gait Analysis. , 0, , .		16
24	Boosting Discriminant Learners for Gait Recognition Using MPCA Features. Eurasip Journal on Image and Video Processing, 2009, 2009, 1-11.	2.6	16
25	Uncorrelated multilinear principal component analysis through successive variance maximization. , 2008, , .		15
26	Joint interaction with context operation for collaborative filtering. Pattern Recognition, 2019, 88, 729-738.	8.1	15
27	Pulmonary Hypertension in Association with Lung Disease: Quantitative CT and Artificial Intelligence to the Rescue? State-of-the-Art Review. Diagnostics, 2021, 11, 679.	2.6	15
28	Tensor Rank Estimation and Completion via CP-based Nuclear Norm. , 2017, , .		13
29	Node-Feature Convolution for Graph Convolutional Networks. Pattern Recognition, 2022, 128, 108661.	8.1	12
30	Validation of Artificial Intelligence Cardiac MRI Measurements: Relationship to Heart Catheterization and Mortality Prediction. Radiology, 2022, 305, 68-79.	7.3	12
31	Machine learning cardiac-MRI features predict mortality in newly diagnosed pulmonary arterial hypertension. European Heart Journal Digital Health, 2022, 3, 265-275.	1.7	11
32	Coarse-to-Fine Pedestrian Localization and Silhouette Extraction for the Gait Challenge Data Sets. , 2006, , .		9
33	Non-intrusive head movement analysis of videotaped seizures of epileptic origin. , 2012, 2012, 6060-3.		9
34	Boosting LDA with Regularization on MPCA Features for Gait Recognition. , 2007, , .		8
35	Uncorrelated Multilinear Discriminant Analysis with Regularization for Gait Recognition. , 2007, , .		7
36	A Taxonomy of Emerging Multilinear Discriminant Analysis Solutions for Biometric Signal Recognition. , 0, , 21-45.		7

#	ARTICLE	IF	CITATIONS
37	Learning Tensor-Based Features for Whole-Brain fMRI Classification. Lecture Notes in Computer Science, 2015, , 613-620.	1.3	7
38	Computed tomography lung parenchymal descriptions in routine radiological reporting have diagnostic and prognostic utility in patients with idiopathic pulmonary arterial hypertension and pulmonary hypertension associated with lung disease. ERJ Open Research, 2022, 8, 00549-2021.	2.6	7
39	Gait Recognition Through MPCA Plus LDA. , 2006, , .		6
40	Geodesically Smoothed Tensor Features for Pulmonary Hypertension Prognosis Using the Heart and Surrounding Tissues. Lecture Notes in Computer Science, 2020, , 253-262.	1.3	6
41	Binary image watermarking through biased binarization. , 2003, , .		5
42	Side Information Dependence as a Regularizer for Analyzing Human Brain Conditions across Cognitive Experiments. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 6957-6964.	4.9	5
43	Markerless video analysis for movement quantification in pediatric epilepsy monitoring. , 2011, 2011, 8275-8.		4
44	Probabilistic Rank-One Tensor Analysis With Concurrent Regularizations. IEEE Transactions on Cybernetics, 2021, 51, 3496-3509.	9.5	3
45	Direct ICA on data tensor via random matrix modeling. Signal Processing, 2022, 196, 108508.	3.7	2
46	Effective and efficient fingerprint image postprocessing. , 0, , .		1
47	Visualization and clustering of crowd video content in MPCA subspace. , 2010, , .		1
48	Learning compact binary codes from higher-order tensors via Free-Form Reshaping and Binarized Multilinear PCA. , 2016, , .		0
49	Learning Modewise Independent Components from Tensor Data Using Multilinear Mixing Model. Lecture Notes in Computer Science, 2013, , 288-303.	1.3	0